

# Publication List 2008

31.12.2008

(\* external author)

## Cancer Research

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Anastasov, N., Klier, M., Koch, I.\*, Angermeier, D., Höfler, H., Fend, F.\*, Quintanilla-Martinez, L.: Efficient shRNA delivery into B and T lymphoma cells using lentiviral vector-mediated transfer. *J. Hematop.* DOI:10.1007/s12308-008-0020-x (2008)

Aubele, M., Walch, A.K., Ludyga, N., Braselmann, H., Atkinson M.J., Lubber, B.\*, Auer, G.\*, Tapio, S., Cooke, T.\*, Bartlett, J.M.\*: Prognostic value of protein tyrosine kinase 6 (PTK6) for long-term survival of breast cancer patients. *Br. J. Cancer* 99 (7), 1089-1095 (2008)

Bararia, D., Trivedi, A.K.\*, Zada, A.A.\*, Greif, P.A., Mulaw, M.A., Christopheit, M.\*, Hiddemann, W., Bohlander, S.K., Behre, G.\*: Proteomic identification of the MYST domain histone acetyltransferase TIP60 (HTATIP) as a co-activator of the myeloid transcription factor C/EBPalpha. *Leukemia* 22 (4), 800-807 (2008)

Bedke, J.\*, Buse, S.\*, Esposito, I., Schirmacher, P.\*, Haferkamp, A.\*, Hohenfellner, M.\*: Evaluation and management of a patient with a bladder mass of uncertain etiology. *Nat. Clin. Pract. Urol.* 5 (9), 509-514 (2008)

Bink, K. et al. (11 Coauthors): Primary extramedullary plasmacytoma : Similarities with and differences from multiple myeloma revealed by interphase cytogenetics. *Haematologica* 93 (4), 623-626 (2008)

Blehschmidt, K.\*, Sassen, S.\*, Schmalfeldt, B.\*, Schuster, T.\*, Höfler, H., Becker, K.F.\*: The E-cadherin repressor Snail is associated with lower overall survival of ovarian cancer patients. *Br. J. Cancer* 98 (2), 489-495 (2008)

Bremm, A.\*, Walch, A. et al. (12 Coauthors): Enhanced activation of epidermal growth factor receptor caused by tumor-derived E-cadherin mutations. *Cancer Res.* 68 (3), 707-714 (2008)

Ejogod, D.\*, Sørensen, K.D.\*, Moßbrugger, I., Quintanilla-Martinez, L., Schmidt, J., Pedersen, F.S.\*: Control of pathogenicity and disease specificity of a T-lymphomagenic gammaretrovirus by E-box motifs but not by an overlapping glucocorticoid response element. *J. Virol.* DOI:10.1128/JVI.01368-08 (2008)

Esposito, I., Born, D.\*, Bergmann, F.\*, Longerich, T.\*, Welsch, T.\*, Giese, N.A.\*, Büchler, M.W.\*, Kleeff, J.\*, Friess, H.\*, Schirmacher, P.\*: Autoimmune pancreatocholangitis, non-autoimmune pancreatitis and primary sclerosing cholangitis : A comparative morphological and immunological analysis. *PLoS ONE* 3 (7):e2539, 1-11 (2008)

Esposito, I., Kubisova, A.\*, Stiehl, A.\*, Kulaksiz, H.\*, Schirmacher, P.\*: Secondary sclerosing cholangitis after intensive care unit treatment : Clues to the histopathological differential diagnosis. *Virchows Arch.* 453 (4), 339-345 (2008)

Fend, F.\*, Tzankov, A.\*, Bink, C., Seidl, S.\*, Quintanilla-Martinez, L., Kremer, M.\*, Dirnhofer, S.\*: Modern techniques for the diagnostic evaluation of the trephine bone marrow biopsy: Methodological aspects and applications. *Prog. Histochem. Cytochem.* 42 (4), 203-252 (2008)

Fuchs, M.\*, Hermannstädter, C.\*, Hutzler, P., Häcker, G.\*, Haller, F.\*, Höfler, H., Lubber, B.\*: Deletion of exon 8 increases cisplatin-induced E-cadherin cleavage. *Exp. Cell Res.* 314 (1), 153-163 (2008)

Hennig, R.\*, Esposito, I. et al. (10 Coauthors): BLT2 is expressed in PanINs, IPMNs, pancreatic cancer and stimulates tumour cell proliferation. *Br. J. Cancer* 99 (7), 1064-1073 (2008)

Henopp, T.\*, Pellegata, N.S. et al. (14 Coauthors): Glucagon cell adenomatosis : a newly recognized disease of the endocrine pancreas. *J. Clin. Endocrinol. Metab.* DOI:10.1210/jc.2008-1300 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cancer Research

---

- Herens, C.\* , Lambert, F.\* , Quintanilla-Martinez, L., Bisig, B.\* , Deusings, C.\* , de Leval, L.\* : Cyclin D1-negative mantle cell lymphoma with cryptic t(12;14)(p13;q32) and cyclin D2 overexpression. *Blood* 111 (3), 1745-1746 (2008)
- Hipp, S.\* , Walch, A., Schuster, T.\* , Höfler, H., Becker, K.-F.\* : Precise measurement of the E-cadherin repressor Snail in formalin-fixed endometrial carcinoma using protein lysate microarrays. *Clin. Exp. Metastasis* 25 (6), 679-683 (2008)
- Hoffmann, M.\* , Rath, E.\* , Hölzlwimmer, G., Quintanilla-Martinez, L., Loach, D.\* , Tannock, G.\* , Haller, D.\* : Lactobacillus reuteri 100-23 transiently activates intestinal epithelial cells of mice that have a complex microbiota during early stages of colonization. *J. Nutr.* 138 (9), 1684-1691 (2008)
- Klier, M., Anastasov, N., Hermann, A., Meindl, T., Angermeier, D., Raffeld, M.\* , Fend, F.\* , Quintanilla-Martinez, L.: Specific lentiviral shRNA-mediated knockdown of cyclin D1 in mantle cell lymphoma has minimal effects on cell survival and reveals a regulatory circuit with cyclin D2. *Leukemia* 22 (11), 2097-2105 (2008)
- Kremer, M.\* , Horn, T.\* , Koch, I.\* , Dechow, T.\* , Gattenloehner, S.\* , Pfeiffer, W.\* , Quintanilla-Martinez, L., Fend, F.\* : Quantitation of the JAK2V617F mutation in microdissected bone marrow trephines : Equal mutational load in myeloid lineages and rare involvement of lymphoid cells. *Am. J. Surg. Pathol.* 32 (6), 928-935 (2008)
- Langer, R.\* , Feith, M.\* , Siewert, J.R.\* , Wester, H.-J.\* , Höfler, H.: Expression and clinical significance of glucose regulated proteins GRP78 (BiP) and GRP94 (GP96) in human adenocarcinomas of the esophagus. *BMC Cancer* 8:70, 1-9 (2008)
- May, F.\* , Gais, P. et al. (14 Coauthors): GDNF-transduced Schwann cell grafts enhance regeneration of erectile nerves. *Eur. Urol.* 54 (5), 1179-1187 (2008)
- Metzeler, K.H.\* , Spiekermann, K. et al. (19 Coauthors): An 86-probe-set gene-expression signature predicts survival in cytogenetically normal acute myeloid leukemia. *Blood* 112 (10), 4193-4201 (2008)
- Miederer, M.\* , Henriksen, G.\* , Alke, A.\* , Mossbrugger, I., Quintanilla-Martinez, L., Senekowitsch-Schmidtke, R.\* , Essler, M.\* : Preclinical evaluation of the alpha-particle generator nuclide <sup>225</sup>Ac for somatostatin receptor radiotherapy of neuroendocrine tumors. *Clin. Cancer Res.* 14 (11), 3555-3561 (2008)
- Paschen, S.A.\* , Christian, J.G., Vier, J.\* , Schmidt, F., Walch, A., Ojcius, D.M.\* , Häcker, G.\* : Cytopathicity of Chlamydia is largely reproduced by expression of a single chlamydial protease. *J. Cell Biol.* 182 (1), 117-127 (2008)
- Petropoulos, K. et al. (11 Coauthors): A novel role for Lef-1, a central transcription mediator of Wnt signaling, in leukemogenesis. *J. Exp. Med.* 205 (3), 515-522 (2008)
- Rahemtullah, A.\* , Longtine, J.A.\* , Harris, N.L.\* , Dorn, M.\* , Zembowicz, A.\* , Quintanilla-Fend, L., Preffer, F.I., Ferry, J.A.\* : CD20+ T-cell lymphoma: clinicopathologic analysis of 9 cases and a review of the literature. *Am. J. Surg. Pathol.* 32 (1), 1593-1607 (2008)
- Rawat, V.P.S. et al. (13 Coauthors): Overexpression of CDX2 perturbs HOX gene expression in murine progenitors depending on its N-terminal domain and is closely correlated with deregulated HOX gene expression in human acute myeloid leukemia. *Blood* 111 (1), 309-319 (2008)
- Reiter, R.\* , Gais, P. et al. (14 Coauthors): Centrosome abnormalities in head and neck squamous cell carcinoma (HNSCC). *Acta Otolaryngol.* DOI: 10.1080/00016480802165767 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cancer Research

---

Riener, M.O.\*, Nikolopoulos, E.\*, Herr, A.\*, Wild, P.J.\*, Hausmann, M.\*, Wiech, T.\*, Orłowska-Volk, M.\*, Lassmann, S.\*, Walch, A., Werner, M.\*: Microarray comparative genomic hybridization analysis of tubular breast carcinoma shows recurrent loss of the CDH13 locus on 16q. *Hum. Pathol.* 39 (11), 1621-1629 (2008)

Salaverria, I.\*, Quintanilla-Martinez, L. et al. (13 Coauthors): Multiple recurrent chromosomal breakpoints in mantle cell lymphoma revealed by a combination of molecular cytogenetic techniques. *Genes Chromosomes Cancer* 47 (12), 1086-1097 (2008)

Schillinger, U.\*, Walch, A. et al. (14 Coauthors): A fibrin glue composition as carrier for nucleic acid vectors. *Pharm. Res.* 25 (12), 2946-2962 (2008)

Schmidt, R.\*, Walch, A. et al. (12 Coauthors): Extracellular matrix metalloproteinase inducer (CD147) is a novel receptor on platelets, activates platelets, and augments nuclear factor kappaB-dependent inflammation in monocytes. *Circ. Res.* 102 (3), 302-309 (2008)

Slotta-Huspenina, J.\*, Koch, I.\*, Richter, M., Bink, K., Kremer, M.\*, Specht, K.\*, Krugmann, J., Quintanilla-Martinez, L., Fend, F.\*: Cyclin D1 positive multiple myeloma: predominance of the short, 3'UTR-deficient transcript is associated with high cyclin D1 mRNA levels in cases with t(11;14) translocation, but does not correlate with proliferation rate or genomic deletions. *Leuk. Res.* 32 (1), 79-88 (2008)

Specht, K.\*, Smida, J. et al. (13 Coauthors): Expression profiling identifies genes that predict recurrence of breast cancer after adjuvant CMF-based chemotherapy. *Breast Cancer Res. Treat.* DOI:10.1007/s10549-008-0207-y (2008)

Vempati, S., Reindl, C., Wolf, U., Kern, R., Petropoulos, K., Naidu, V.M., Buske, C., Hiddemann, W., Kohl, T.M., Spiekermann, K.: Transformation by oncogenic mutants and ligand-dependent activation of FLT3 wild-type requires the tyrosine residues 589 and 591. *Clin. Cancer Res.* 14 (14), 4437-4445 (2008)

Villmann, T.\*, Schleif, F.M.\*, Kostrzewa, M.\*, Walch, A., Hammer, B.\*: Classification of mass-spectrometric data in clinical proteomics using learning vector quantization methods. *Brief. Bioinformatics* 9 (2), 129-143 (2008)

Walch, A. et al. (12 Coauthors): Combined analysis of Rac1, IQGAP1, Tiam1 and E-cadherin expression in gastric cancer. *Mod. Pathol.* 21 (5), 544-552 (2008)

Walch, A., Rauser, S., Deininger, S.O.\*, Höfler, H.: MALDI imaging mass spectrometry for direct tissue analysis: A new frontier for molecular histology. *Histochem. Cell Biol.* 130 (3), 421-434 (2008)

Warren, M.V.\*, Quintanilla-Martinez, L. et al. (11 Coauthors): An impending crisis in the provision of histopathology expertise for mouse functional genomics. *J. Pathol.* 217 (1), 4-13 (2008)

Weinkauff, M., Christopeit, M., Hiddemann, W., Dreyling, M.: Proteome- and microarray-based expression analysis of lymphoma cell lines identifies a p53-centered cluster of differentially expressed proteins in mantle cell and follicular lymphoma. *Electrophoresis* 28 (23), 4416-4426 (2007)

Wiech, T.\*, Nikolopoulos, E.\*, Hausmann, M.\*, Walch, A., Werner, M.\*, Fisch, P.\*: A Case of Heterogeneous Breast Cancer with Clonally Expanded T-Cells in the HER2+ and Metastasis of the HER2- Tumor Cells. *Breast J.* 14 (5), 487-491 (2008)

Wiech, T.\*, Nikolopoulos, E.\*, Weis, R.\*, Langer, R.\*, Bartholomé, K.\*, Timmer, J.\*, Walch, A.K., Höfler, H.\*, Werner, M.\*: Genome-wide analysis of genetic alterations in Barrett's adenocarcinoma using single nucleotide polymorphism arrays. *Lab. Invest.* DOI:10.1038/labinvest.2008.67 (2008)

# Publication List 2008

31.12.2008  
(\* external author)

## **Cancer Research**

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Winkelheide, U.\*, Engelhard, K.\*, Kaepfel, B.\*, Winkler, J.\*, Hutzler, P., Werner, C.\*, Kochs, E.\*: Cerebral Ischemia and Neurogenesis : A Two-time Comparison. *Neurocrit. Care* 9 (3), 387-393 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cardiovascular and Metabolic Disease Research

---

Arnold-Wörner, N., Holle, R., Rathmann, W.\*, Mielck, A.: The importance of specialist treatment, treatment satisfaction and diabetes education for the compliance of subjects with type 2 diabetes - results from a population-based survey. *Exp. Clin. Endocrinol. Diabetes* 116 (2), 123-128 (2008)

Baur, M.P.\*, Wichmann, H.-E. et al. (12 Coauthors): Aufwändige Erforschung komplexer Krankheiten : Die Genetisch-Epidemiologischen Methodenzentren im Nationalen Genomforschungsnetz. *GenomXPress 2* (Sonderausgabe), 59-60 (2007)

Boes, E.\*, Heid, I.M. et al. (11 Coauthors): INSIG2 polymorphism is neither associated with BMI nor with phenotypes of lipoprotein metabolism. *Obesity (Silver Spring)* 16 (4), 827-833 (2008)

Brandstätter, A.\*, Heid, I.M. et al. (10 Coauthors): Sex-specific association of the putative fructose transporter SLC2A9 variants with uric acid levels is modified by BMI. *Diabetes Care* 31 (8), 1662-1667 (2008)

Buchner, S.\*, Döring, A. et al. (10 Coauthors): Left atrial size by planimetry is superior to M-mode diameter : Biochemical calibration by atrial and brain natriuretic peptide. *J. Am. Soc. Echocardiogr.* 21 (4), 380-385 (2008)

Donath, C.\*, Graeßel, E.\*, Großfeld-Schmitz, M.\*, Haag, C.\*, Kornhuber, J.\*, Neubauer, S.: Diagnostik und Therapie von Demenzerkrankungen in der hausärztlichen Praxis: ein Stadt-Land-Vergleich. *Psychiatr. Prax.* 35, 142-145 (2008)

Döring, A. et al. (17 Coauthors): SLC2A9 influences uric acid concentrations with pronounced sex-specific effects. *Nat. Genet.* 40 (4), 430-436 (2008)

Döring, A., Koenig, W.\*, Meisinger, C., The Emerging Risk Factors Collaboration: Analysis of individual data on lipid, inflammatory and other markers in over 1.1 million participants in 104 prospective studies of cardiovascular diseases. *Eur. J. Epidemiol.* 22 (12), 839-869 (2007)

Eickholz, P.\*, Kaltschmitt, J.\*, Berbig, J.\*, Reitmeir, P., Pretzl, B.\*: Tooth loss after active periodontal therapy. 1: patient-related factors for risk, prognosis, and quality of outcome. *J. Clin. Periodontol.* 35 (2), 165-174 (2008)

Eller, M., Holle, R., Landgraf, R.\*, Mielck, A.: Social network effect on self-rated health in type 2 diabetic patients - results from a longitudinal population-based study. *Int. J. Public Health* 53 (4), 188-194 (2008)

Gapp, O., Schweikert, B., Meisinger, C., Holle, R.: Disease management programmes for patients with coronary heart disease--an empirical study of German programmes.. *Health Policy* 88(2-3), 176-815 (2008)

Gapp, O.: Die Balanced Scorecard in gesetzlichen Krankenkassen : eine empirische Studie zum Stand der Anwendung und deren Ausgestaltung. *Z. öffentl. gemeinwirt. Unternehmen* 31 (2), 107-132 (2008)

Gärtner, C.\*, Walz, L.\*, Bauernschmitt, E.\*, Ladwig, K.H.: Patientenbezogene Determinanten der prähospitalen Verzögerung beim akuten Myokardinfarkt. *Dtsch. Arztebl.* 105(15), 286-91 (2008)

Gieger, C. et al. (11 Coauthors): Genetics meets metabolomics: a genome-wide association study of metabolite profiles in human serum. *PLoS Genet.* 4 (11):e1000282, 1-12 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cardiovascular and Metabolic Disease Research

---

Gohlke, H., Ferrari, U.\*, Koczwara, K.\*, Bonifacio, E.\*, Illig, T., Ziegler A.G.\*: SLC30A8 (ZnT8) Polymorphism is Associated with Young Age at Type 1 Diabetes Onset. *Rev. Diabet. Stud.* 5 (1), 25-27 (2008)

Gräßel, E.\*, Donath, C.\*, Lauterberg, J.\*, Haag, C.\*, Neubauer, S.: Demenzkranke und Pflegestufen: Wirken sich Krankheitssymptome auf die Einstufung aus? *Gesundheitswesen* 70 (3), 129-136 (2008)

Gretarsdottir, S.\*, Gieger, Ch.: Risk Variants for Atrial Fibrillation on Chromosome 4q24 Associate with Ischemic Stroke. *Ann. Neurol.* 64, 402-409 (2008)

Grobe, T.G.\*, Gerhardus, A.\*, A'Walelu, O.\*, Meisinger, C., Krauth, C.\*: Hospitalisations for acute myocardial infarction - comparing data from three different sources. *Gesundheitswesen* 70 (8-9), e37-e46 (2008)

Gschwendtner, A.\*, Ripke, S.\*, Freilinger, T.\*, Lichtner, P., Müller-Myhsok, B.\*, Wichmann, H.-E., Meitinger, T., Dichgans, M.\*: Genetic variation in soluble epoxide hydrolase (EPHX2) is associated with an increased risk of ischemic stroke in white Europeans. *Stroke* 39 (5), 1593-1596 (2008)

Happich, M.\*, John, J., Stamenitis, S.\*, Clouth, J.\*, Polnau, D.\*: The quality of life and economic burden of neuropathy in diabetic patients in Germany in 2002--Results from the Diabetic Microvascular Complications (DIMICO) study. *Diabetes Res. Clin. Pract.* 81 (2), 223-230 (2008)

Hartz, S.\*, John, J.: Contribution of economic evaluation to decision making in early phases of product development : A methodological and empirical review. *Int. J. Technol. Assess. Health Care* 24 (4), 465-472 (2008)

Heid, I. M. et al. (15 Coauthors): Genome-Wide Association Analysis of High-Density Lipoprotein Cholesterol in the Population-Based KORA Study Sheds New Light on Intergenic Regions. *Circ. Cardiovasc. Genet.* 1, 10-20 (2008)

Heid, I.M. et al. (11 Coauthors): Association of the MC4R V103I polymorphism with the metabolic syndrome: the KORA Study. *Obesity (Silver Spring)* 16 (9), 369-376 (2008)

Heid, I.M. et al. (17 Coauthors): Estimating the Single Nucleotide Polymorphism Genotype Misclassification From Routine Double Measurements in a Large Epidemiologic Sample. *Am. J. Epidemiol.* 168 (8), 878-889 (2008)

Hense, H.W.\*, Koesters, E.\*, Wellmann, J.\*, Meisinger, C., Völzke, H.\*, Keil, U.\*: Evaluation of a recalibrated Systematic Coronary Risk Evaluation cardiovascular risk chart : Results from Systematic Coronary Risk Evaluation Germany. *Eur. J. Cardiovasc. Prev. Rehabil.* 15 (4), 409-415 (2008)

Herder, C.\*, Illig, T. et al. (10 Coauthors): RANTES/CCL5 gene polymorphisms, serum concentrations, and incident type 2 diabetes: results from the MONICA/KORA Augsburg case-cohort study, 1984-2002. *Eur. J. Endocrinol.* 158 (5), R1-R5 (2008)

Herder, C.\*, Illig, T., Baumert, J., Mueller, M.\*, Klopp, N.\*, Khuseyinova, N.\*, Meisinger, C., Martin, S.\*, Thorand, B., Koenig, W.\*: Macrophage migration inhibitory factor (MIF) and risk for coronary heart disease: Results from the MONICA/KORA Augsburg case-cohort study, 1984-2002. *Atherosclerosis* 200 (2), 380-388 (2008)

Herder, C.\*, Klopp, N., Baumert, J., Müller, M., Khuseyinova, N.\*, Meisinger, C., Martin, S.\*, Illig, T., Koenig, W.\*, Thorand, B.: Effect of macrophage migration inhibitory factor (MIF) gene variants and MIF serum concentrations on the risk of type 2 diabetes: Results from the MONICA/KORA Augsburg Case-Cohort Study, 1984-2002. *Diabetologia* 51 (2), 276-284 (2008)

# Publication List 2008

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(\* external author)

## Cardiovascular and Metabolic Disease Research

---

Hinterseer, M.\*, Thomsen, M.B.\*, Beckmann, B.M.\*, Pfeufer, A., Schimpf, R.\*, Wichmann, H.-E., Steinbeck, G.\*, Vos, M.A.\*, Kaab, S.\*: Beat-to-beat variability of QT intervals is increased in patients with drug-induced long-QT syndrome: a case control pilot study. *Eur. Heart J.* 29 (2), 185-190 (2008)

Holzappel, C. et al. (11 Coauthors): Genetic variants in the USF1 gene are associated with lowdensity lipoprotein cholesterol levels and incident type 2 diabetes mellitus in women: results from the MONICA/KORA Augsburg case-cohort study, 1984-2002. *Eur. J. Endocrinol.* 159, 407-416 (2008)

Holzappel, C., Gedrich, K.\*, Karg, G.\*, Lang, O., Döring, A.\*: Selbsteinschätzung des Gesundheitszustands und Body Mass Index: Ergebnisse aus dem MONICA/KORA-Projekt Augsburg. *Ernährungs-Umschau* 10/08, 584-591 (2008)

Huth, C.: IL6 gene promoter polymorphisms, type 2 diabetes mellitus, and related quantitative traits : joint analysis of individual participants data from 18 international studies. *Materialien zur Epidemiologie*; Bd. 11, Wichmann, H.-E.; Heilmaier, H.E. [Eds.], Regensburg : Roderer, 133 S. (2008)

Icks, A.\*, Moebus, S.\*, Feuersenger, A.\*, Haastert, B.\*, Jöckel, K.H.\*, Mielck, A., Giani, G.\*: Widening of a social gradient in obesity risk? German national health surveys 1990 and 1998. *Eur. J. Epidemiol.* 22 (10), 685-690 (2007)

John, U.\*, Baumeister, S. E., Voelzke, H.\*, Grabe, H.J.\*, Freyberger, H.J.\*, Alte, D.\*: Estimation of psycholeptic and psychoanaleptic medicine use in an adult general population sample using the Anatomical Therapeutic Chemical classification. *Int. J. Methods Psychiatr. Res.* 17(4), 220-231 (2008)

Justenhoven, C.\*, Vollmert, C. et al. (12 Coauthors): The CYP1B1\_1358\_GG genotype is associated with estrogen receptor-negative breast cancer. *Breast Cancer Res. Treat.* 111 (1), 171-177 (2008)

Justenhoven, C.\*, Vollmert, C. et al. (19 Coauthors): Breast cancer : A candidate gene approach across the estrogen metabolic pathway. *Breast Cancer Res. Treat.* 108 (1), 137-149 (2008)

Koenig, W.\*, Khuseyinova, N.\*, Baumert, J., Meisinger, C.: Prospective study of high-sensitivity C-reactive protein as a determinant of mortality: Results from the MONICA/KORA Augsburg Cohort Study, 1984-1998. *Clin. Chem.* 54 (2), 335-342 (2008)

Koenig, W.\*, Meisinger, C.: Uric acid, type 2 diabetes, and cardiovascular diseases : Fueling the common soil hypothesis? *Clin. Chem.* 54 (2), 231-233 (2008)

Kolz, M., Baumert, J., Müller, M., Khuseyinova, N.\*, Klopp, N., Thorand, B., Meisinger, C., Herder, C.\*, Koenig, W.\*, Illig, T.: Association between variations in the TLR4 gene and incident type 2 diabetes is modified by the ratio of total cholesterol to HDL-cholesterol. *BMC Med. Genet.* 9:9, 1-12 (2008)

Kormann, M.S.D.\*, Depner, M.\*, Hartl, D.\*, Klopp, N., Illig, T., Adamski, J., Vogelberg, C.\*, Weiland, S.K.\*, von Mutius, E., Kabesch, M.\*: Toll-like receptor heterodimer variants protect from childhood asthma. *J. Allergy Clin. Immunol.* 122 (1), 86-92 (2008)

Krauth, C.\*, John, J. et al. (11 Coauthors): Stellungnahme der AG Methoden der gesundheitsökonomischen Evaluation (AG MEG) in der Deutschen Gesellschaft für Sozialmedizin und Prävention. (DGSM) zum 1. Entwurf des IQWiG Methodenpapiers zur Kosten-Nutzen-Bewertung von Arzneimitteln. *Gesundheitsökon. Qualitätsmanag.* 13, 171-173 (2008)

Krauth, C.\*, John, J. et al. (11 Coauthors): Stellungnahme der AG Methoden der gesundheitsökonomischen Evaluation (AG MEG) zu dem Methodenpapier "Methodik für die Bewertung von Verhältnissen zwischen Nutzen und Kosten im System der deutschen gesetzlichen Krankenversicherung" des Instituts für Qualität und Wirtschaftlichkeit im Gesundheitswesen (IQWiG). *Gesundheitswesen* 70 (6), e1-e16 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cardiovascular and Metabolic Disease Research

---

- Kreck, S.\*, Klaus, J.\*, Leidl, R., von Tirpitz, C.\*, Konnopka, A.\*, Matschinger, H.\*, König, H.H.\*: Cost effectiveness of ibandronate for the prevention of fractures in inflammatory bowel disease-related osteoporosis : Cost-utility analysis using a Markov model.. *Pharmacoeconomics* 26 (4), 311-328 (2008)
- Kuch, B.\*, Heier, M., von Scheidt, W.\*, Kling, B.\*, Hoermann, A., Meisinger, C.: 20-year trends in clinical characteristics, therapy and short-term prognosis in acute myocardial infarction according to presenting electrocardiogram: the MONICA/KORA AMI Registry (1985-2004). *Epub. J. Intern. Med.* 264(3), 254-264 (2008)
- Kuch, B.\*, von Scheidt, W.\*, Kling, B.\*, Heier, M., Hoermann, A., Meisinger, C.: Differential Impact of Admission C-Reactive Protein Levels on 28-Day Mortality Risk in Patients With ST-Elevation Versus Non-ST-Elevation Myocardial Infarction (from the Monitoring Trends and Determinants on Cardiovascular Diseases [MONICA]/Cooperative Health Research in the Region of Augsburg [KORA] Augsburg Myocardial Infarction Registry). *Am. J. Cardiol.* 102(9), 1125-1130 (2008)
- Kulathinal, S.\*, Karvanen, J.\*, Saarela, O.\*, Kuulasmaa, K.\*, Döring, A.: Case-cohort design in practice – experiences from the MORGAM Project. *Epidemiol. Perspect. Innov.* 4:15, 1-17 (2007)
- Ladwig, K.H., Baumert, J., Marten-Mittag, B.\*, Kolb, C.\*, Zrenner, B.\*, Schmitt, C.\*: Posttraumatic Stress Symptoms and Predicted Mortality in Patients With Implantable Cardioverter-Defibrillators. *Arch. Gen. Psychiatry* 65 (11), 1324-1330 (2008)
- Ladwig, K.H., Klupsch, D., Ruf, E., Meisinger, C., Baumert, J., Erazo, N.\*, Wichmann, H.E.: Sex- and age-related increase in prevalence rates of death wishes and suicidal ideation in the community: Results from the KORA-F3 Augsburg Study with 3154 men and women, 35 to 84 years of age. *Psychiatry Res.* 161 (2), 248-252 (2008)
- Ladwig, K.-H., Lederbogen, F.\*: Positionspapier zur Bedeutung von psychosozialen Faktoren in der Kardiologie. *Der Kardiologe* 2, 274-287 (2008)
- Lamina, C., Bongardt, F.\*, Küchenhoff, H.\*, Heid, I.M.: Haplotype reconstruction error as a classical misclassification problem: Introducing sensitivity and specificity as error measures. *PLoS ONE* 3 (3):e1853, 1-11 (2008)
- Lampert, T.\*, Mielck, A.: Gesundheit und soziale Ungleichheit : eine Herausforderung für Forschung und Politik. *G+G Wissenschaft* 8 (2), 7-16 (2008)
- Lao, O.\*, Gieger, C. et al. (31 Coauthors): Correlation between genetic and geographic structure in Europe. *Curr. Biol.* 18 (16), 1241-1248 (2008)
- Lasky-Su, J.\*, Heid, I.M. et al. (32 Coauthors): On the replication of genetic associations: timing can be everything! *Am. J. Hum. Genet.* 82 (4), 849-858 (2008)
- Leidl R.: A model to decompose the performance of supplementary private health insurance markets. *Int. J. Health Care Finance Econ.* 8 (3), 193-208 (2008)
- Leidl, R.: Promoting economic value in public health. *Eur. J. Public Health* 18 (3), S. 216 (2008)
- Leidl, R.: Orientierungspunkte für die Beurteilung der Wirtschaftlichkeit von Gesundheitsleistungen in Deutschland. *Z. Evid. Fortbild. Qual. Gesundheitswes.* 102(2), 110-111 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cardiovascular and Metabolic Disease Research

---

Lette, G.\*, Gieger, C. et al. (36 Coauthors): Identification of ten loci associated with height highlights new biological pathways in human growth. *Nat. Genet.* 40 (5), 584-591 (2008)

Lieb, W.\*, Döring, A. et al. (15 Coauthors): Lack of association between the MEF2A gene and myocardial infarction. *Circulation* 117 (2), 185-191 (2008)

Lindert, J.\*, Brähler, E.\*, Wittig, U., Mielck, A., Priebe, S.\*: Depressivität, Angst und posttraumatische Belastungsstörung bei Arbeitsmigranten, Asylbewerbern und Flüchtlingen: Systematische Übersichtsarbeit zu Originalstudien. *Psychother. Psychosom. Med. Psychol.* 58 (3-4), 109-122 (2008)

Lingenhel, A.\*, Kollerits, B.\*, Schwaiger, J.P.\*, Hunt, S.C.\*, Gress, R.\*, Hopkins, P.N.\*, Schoenborn, V.\*, Heid, I.M., Kronenberg, F.\*: Serum bilirubin levels, UGT1A1 polymorphisms and risk for coronary artery disease. *Exp. Gerontol.* 43 (12), 1102-1107 (2008)

Linsel-Nitschke, P.\*, Lamina, C. et al. (32 Coauthors): Lifelong reduction of LDL-cholesterol related to a common variant in the LDL-receptor gene decreases the risk of coronary artery disease--a Mendelian Randomisation study. *PLoS ONE* 3 (8):e2986, 1-9 (2008)

Loos, R.J.F.\*, Heid, I.M. et al. (108 Coauthors): Common variants near MC4R are associated with fat mass, weight and risk of obesity. *Nat. Genet.* 40 (6), 768-775 (2008)

Luca, D.\*, Gieger, C. et al. (12 Coauthors): On the use of general control samples for genome-wide association studies : Genetic matching highlights causal variants. *Am. J. Hum. Genet.* 82 (2), 453-463 (2008)

Lücking, C.B.\*, Lichtner, P., Dichgans, M.\*, Illig, T., Gieger, C., Berg, D.\*, Gasser, T.\*: Polymorphisms in the proteasomal subunit alpha4 are not associated with Parkinson's disease. *J. Neurol.* 255 (3), 441-442 (2008)

Malerby, G.\*, Schaeffer, L. et al. (15 Coauthors): SNPs of the FADS gene cluster are associated with polyunsaturated fatty acids in a cohort of patients with cardiovascular disease. *Lipids* 43 (4), 289-299 (2008)

Markus, M.R.P.\*, Stritzke, J.\*, Lieb, W.\*, Mayer, B.\*, Luchner, A.\*, Döring, A., Keil, U.\*, Hense, H.-W.\*, Schunkert, H.\*: Implications of persistent prehypertension for ageing-related changes in left ventricular geometry and function: The MONICA/KORA Augsburg study. *J. Hypertens.* 26 (10), 2040-2049 (2008)

Martinelli, N.\*, Illig, T. et al. (13 Coauthors): FADS genotypes and desaturase activity estimated by the ratio of arachidonic acid to linoleic acid are associated with inflammation and coronary artery disease. *Am. J. Clin. Nutr.* 88 (4), 941-949 (2008)

Meisinger, C., Döring, A., Heier, M.: Blood pressure and risk of type 2 diabetes mellitus in men and women from the general population: the Monitoring Trends and Determinants on Cardiovascular Diseases/Cooperative Health Research in the Region of Augsburg Cohort Study. *J. Hypertens.* 26 (9), 1809-1815 (2008)

Meisinger, C., Heier, M., Landgraf, R.\*, Happich, M.\*, Wichmann, H.E., Piehlmeier, W.\*: Albuminuria, cardiovascular risk factors and disease management in subjects with type 2 diabetes: a cross sectional study. *BMC Health Serv. Res.* 8:226, 1-7 (2008)

Meisinger, C., Koenig, W.\*, Baumert, J., Döring, A.: Uric acid levels are associated with all-cause and cardiovascular disease mortality independent of systemic inflammation in men from the general population: the MONICA/KORA cohort study. *Arterioscler. Thromb. Vasc. Biol.* 28 (6), 1186-1192 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cardiovascular and Metabolic Disease Research

---

Mielck, A., Altgeld, T.\*, Reisig, V.\*, Kämpers, S.\*: Quantitative Zielvorgaben zur Verringerung der gesundheitlichen Ungleichheit. Erfahrungen aus England und Umsetzungsmöglichkeiten in Deutschland. Dokumentation 13. bundesweiter Kongress 'Armut und Gesundheit', CD-ROM (2008)

Mielck, A., Helmert, U.: Das Arzt-Patienten-Verhältnis in der ambulanten Versorgung : Unterschiede zwischen GKV- und PKV-Versicherten. Gesundheitsmonitor 2007: Gesundheitsversorgung und Gestaltungsoptionen aus der Perspektive von Bevölkerung und Ärzten, Böcken, J.; Braun, B.; Amhof, R. [Hrsg.], Gütersloh : BertelsmannStiftung, 114-132 (2007)

Mielck, A., Janßen, C.\*: Ein Modell zur Erklärung der gesundheitlichen Ungleichheit. Public Health Forum 16 (59), 4-5 (2008)

Mielck, A.: Zum Zusammenhang zwischen sozialer Ungleichheit und gesundheitlicher Versorgung. Der blinde Fleck : Ungleichheiten in der Gesundheitsversorgung, Tiesmeyer, K. et al. [Hrsg.], Bern : Huber, 21-38 (2008)

Mielck, A.: Soziale Ungleichheit und Gesundheit in Deutschland : Die internationale Perspektive. Bundesgesundheitsbl. Gesundheitsforsch. Gesundheitsschutz 51 (3), 345-352 (2008)

Mielck, A.: Die Ärzte sind die natürlichen Anwälte der Armen' : Der Beitrag von Ärzten zur Verringerung der gesundheitlichen Ungleichheit. Dtsch. Med. Wochenschr. 133 (27), 1457-1460 (2008)

Mielck, A.: Regionale Unterschiede bei Gesundheit und gesundheitlicher Versorgung : Weiterentwicklung der theoretischen und methodischen Ansätze. Health Inequalities : Determinanten und Mechanismen gesundheitlicher Ungleichheit, Bauer, U.; Bittlingmayer, U.H.; Richter, M. [Hrsg.], Wiesbaden : VS Verl. für Sozialwissenschaften, 167-187 (2008)

Mielck, A.: Armut macht krank - Krankheit macht arm. Vermeidung von Scham und Stigmatisierung bei Maßnahmen zur Verringerung der gesundheitlichen Ungleichheit. Schande Armut. Stigmatisierung und Beschämung. 7.Armutskonferenz, Wien : Die Armutskonferenz. Österreichisches Netzwerk gegen Armut und soziale Ausgrenzung, 41-44 (2008)

Mittelstrass, K. et al. (26 Coauthors): Early onset lung cancer, cigarette smoking and the SNP309 of the murine double minute-2 (MDM2) gene. BMC Cancer 8:113, 1-9 (2008)

Müller, M. et al. (12 Coauthors): Quantifying the contribution of genetic variants for survival phenotypes. Genet. Epidemiol. 32 (6), 574-585 (2008)

Neubauer, S., Holle, R., Menn, P., Grossfeld-Schmitz, M.\*, Graesel, E.\*: Measurement of informal care time in a study of patients with dementia. Int. Psychogeriatr. 20 (6), 1160-76 (2008)

Novak, N. et al. (10 Coauthors): Loss-of-function mutations in the filaggrin gene and allergic contact sensitization to nickel. J. Invest. Dermatol. 128, 1430-1435 (2008)

Pfaffenrath, V.\*, Fendrich, K.\*, Vennemann, M.\*, Meisinger, C., Ladwig, K-H., Evers, S.\*, Straube, A.\*: Regional variations in the prevalence of migraine and tension-type headache applying the new IHS criteria: the German DMKG Headache Study. Cephalalgia 29 (1), 48-57 (2008)

Pichler, M.\*, Kollerits, B.\*, Heid, I.M., Hunt, S.C.\*, Adams, T.D.\*, Hopkins, P.N.\*, Kronenberg, F.\*: Association of the melanocortin-4 receptor V103I polymorphism with dietary intake in severely obese persons. Am. J. Clin. Nutr. 88 (3), 797-800 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cardiovascular and Metabolic Disease Research

---

- Pretzl, B.\*, Kaltschmitt, J.\*, Kim, T.S.\*, Reitmeir, P., Eickholz, P.\*: Tooth loss after active periodontal therapy. 2: tooth-related factors. *J. Clin. Periodontol.* 35 (2), 175-182 (2008)
- Pretzl, B.\*, Kim, T.S.\*, Holle, H., Eickholz, P.\*: Long-term results of guided tissue regeneration therapy with non-resorbable and bioabsorbable barriers. IV. A case series of infrabony defects after 10 years.. *J. Periodontol.* 79(8), 1491-1499 (2008)
- Rabstein, S.\*, Illig, T. et al. (11 Coauthors): Lack of association of delta-aminolevulinate dehydratase polymorphisms with blood lead levels and hemoglobin in Romanian women from a lead-contaminated region. *J. Toxicol. Environ. Health Part A* 71 (11-12), 716-724 (2008)
- Raible, C., Amann, S.\*, Querbach, C.\*: Unit-Dose-Versorgung: Auswirkungen auf Patienten- und Mitarbeiterzufriedenheit innerhalb eines Universitätsklinikum. *Krankenhauspharmazie* 29 (6), 207-217 (2008)
- Rathmann, W.\*, Strassburger, K.\*, Giani, G.\*, Döring, A., Meisinger, C.: Differences in height explain gender differences in the response to the oral glucose tolerance test. *Diabet. Med.* 25 (11), 1374-1375 (2008)
- Real, F.G.\*, Wjst, M. et al. (13 Coauthors): Lung function, respiratory symptoms, and the menopausal transition. *J. Allergy Clin. Immunol.* 121 (1), 72-80 (2008)
- Reinhard, W.\*, Meisinger, C. et al. (17 Coauthors): Association between PPAR alpha gene polymorphisms and myocardial infarction. *Clin. Sci.* 115 (9-10), 301-308 (2008)
- Rodriguez, E., Illig, T., Weidinger, S.\*: Filaggrin loss-of-function mutations and association with allergic diseases. *Pharmacogenomics* 9 (4), 399-413 (2008)
- Roeber, S.\*, Vollmert, C. et al. (11 Coauthors): Evidence for a pathogenic role of different mutations at codon 188 of PRNP. *PLoS ONE* 3 (5): e2147, 1-7 (2008)
- Rogowski, W.H., Hartz, S.C., John, J.H.: Clearing up the hazy road from bench to bedside : A framework for integrating the fourth hurdle into translational medicine. *BMC Health Serv. Res.* 8:194, 1-12 (2008)
- Rosenberger, A.\*, Illig, T. et al. (24 Coauthors): Do genetic factors protect for early onset lung cancer? A case control study before the age of 50 years. *BMC Cancer* 8:60, 1-12 (2008)
- Rückert, I.M., Böcken, J., Mielck, A.: Are German patients burdened by the practice charge for physician visits ('Praxisgebuehr')? A cross sectional analysis of socio-economic and health related factors.. *BMC Health Serv. Res.* 8:232, 1-13 (2008)
- Rückert, I.-M., Mielck, A.: Soziale Ungleichheit beim Stillen in Deutschland : Stand der empirischen Forschung und Handlungsempfehlungen. *Präv. Gesundheitsf.* 3 (2), 56-66 (2008)
- Rückinger, S.\*, von Kries, R.\*, Pauli, S.\*, Munte, A.\*, Mielck, A.: Die Krebsfrüherkennungsuntersuchung für Frauen wird in Regionen mit niedrigerem Haushaltseinkommen seltener in Anspruch genommen - Analyse von Daten der Kassenärztlichen Vereinigung Bayerns. *Gesundheitswesen* 70 (7), 393-397 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Cardiovascular and Metabolic Disease Research

---

Sauter, W. et al. (18 Coauthors): Matrix metalloproteinase 1 (MMP1) is associated with early-onset lung cancer. *Cancer Epidemiol. Biomarkers Prev.* 17 (5), 1127-1135 (2008)

Schedel, M.\*, Klopp, N. et al. (12 Coauthors): IRF-1 gene variations influence IgE regulation and atopy. *Am. J. Respir. Crit. Care Med.* 177 (6), 613-621 (2008)

Scheurig, A.C., Thorand, B., Fischer, B., Heier, M., Koenig, W.\*: Association between the intake of vitamins and trace elements from supplements and C-reactive protein : Results of the MONICA/KORA Augsburg study. *Eur. J. Clin. Nutr.* 62 (1), 127-131 (2008)

Schneider, J.\*, Illig, T., Rosenberger, A.\*, Bickeböller, H.\*, Wichmann, H.-E.: Detection of ATM gene mutations in young lung cancer patients : A population-based control study. *Arch. Med. Res.* 39 (2), 226-231 (2008)

Schorr, G.\*, Ulbricht, S.\*, Schmidt, C.O.\*, Baumeister, S.E., Ruege, J.\*, Schumann, A.\*, Rumpf, H.J.\*, John, U.\*, Meyer, C.\*: Does precontemplation represent a homogeneous stage category? A latent class analysis on German smokers.. *J. Consult. Clin. Psychol.* 76 (5), 840-851 (2008)

Schreiber, S., Wahn, U., Wichmann, H.-E.: Gefährliche Wechselwirkung zwischen Genen und Lebensstil : Häufigkeit von umweltbedingten Erkrankungen steigt seit einigen Jahrzehnten. *GenomXPress* 2 (Sonderausgabe), 29-31 (2007)

Schunkert, H.\*, Wichmann, H.-E. et al. (33 Coauthors): Repeated replication and a prospective meta-analysis of the association between chromosome 9p21.3 and coronary artery disease. *Circulation* 117 (13), 1675-1684 (2008)

Schweikert, B., Hahmann, H.\*, Leidl, R.: Development and first assessment of a questionnaire for health care utilization and costs for cardiac patients. *BMC Health Serv. Res.* 8:187, 1-11 (2008)

Sinner, M.F.\*, Pfeufer, A. et al. (15 Coauthors): The non-synonymous coding IKr-channel variant KCNH2-K897T is associated with atrial fibrillation: Results from a systematic candidate gene-based analysis of KCNH2 (HERG). *Eur. Heart J.* 29 (7), 907-914 (2008)

von der Schulenburg, J.M.G\*, Leidl, R. et al. (13 Coauthors): German recommendations on health economic evaluation: Third and updated version of the Hanover Consensus. *Value Health* 11 (4), 539-544 (2008)

von Lengerke, T., Wolfenstetter, S.B., John, J.: Adipositasassoziierte Versorgungsanspruchnahme und Krankheitskosten in Deutschland. *Psychologie Forschung, Gewichtige Gene: Adipositas zwischen Prädisposition und Eigenverantwortung*, Hilbert, A.; Rief, W.; Dabrock, P. [Hrsg.], Bern : Huber, 83-101 (2008)

Wang-Sattler, R. et al. (15 Coauthors): Metabolic profiling reveals distinct variations linked to nicotine consumption in humans--first results from the KORA study. *PLoS ONE* 3( 12): e3863 (2008)

Weidinger, S. et al. (30 Coauthors): Genome-wide scan on total serum IgE levels identifies FCER1A as novel susceptibility locus. *PLoS Genet.* 4 (8):e1000166, 1-9 (2008)

Wiedmann, S.\*, Fischer, M.\*, Koehler, M.\*, Neureuther, K.\*, Riegger, G.\*, Döring, A., Schunkert, H.\*, Hengstenberg, C.\*, Baessler, A.\*: Genetic variants within the LPIN1 gene, encoding lipin, are influencing phenotypes of the metabolic syndrome in humans. *Diabetes* 57 (1), 209-217 (2008)

# Publication List 2008

31.12.2008  
(\* external author)

## Cardiovascular and Metabolic Disease Research

---

Winkelmann, J. et al. (18 Coauthors): Variants in the neuronal nitric oxide synthase (nNOS, NOS1) gene are associated with restless legs syndrome. *Mov. Disord.* 23 (3), 350-358 (2008)

Yuille, M.\*, Wichmann, H.-E. et al. (11 Coauthors): Biobanking for Europe. *Brief. Bioinformatics* 9 (1), 14-24 (2008)

Zeggini, E.\*, Grallert, H. et al. (100 Coauthors): Meta-analysis of genome-wide association data and large-scale replication identifies additional susceptibility loci for type 2 diabetes. *Nat. Genet.* 40 (5), 638-645 (2008)

Ziegler, D.\*, Rathmann, W.\*, Dickhaus, T.\*, Meisinger, C., Mielck, A., KORA Study Group: Prevalence of polyneuropathy in pre-diabetes and diabetes is associated with abdominal obesity and macroangiopathy : the MONICA/KORA Augsburg Surveys S2 and S3. *Diabetes Care* 31 (3), 464-469 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

Adhikary, D., Behrends, U., Feederle, R.\*, Delecluse, H.J.\*, Mautner, J.: Standardized and highly efficient expansion of Epstein-Barr virus-specific CD4+ T cells by using virus-like particles. *J. Virol.* 82 (8), 3903-3911 (2008)

Ansel, K.M.\*, Glasmacher, E. et al. (14 Coauthors): Mouse Eri1 interacts with the ribosome and catalyzes 5.8S rRNA processing. *Nat. Struct. Mol. Biol.* 15 (5), 523-530 (2008)

Arakawa, H., Kudo, H., Batrak, V., Caldwell, R.B., Rieger, M.A., Ellwart, J.W., Buerstedde J.M.: Protein evolution by hypermutation and selection in the B cell line DT40. *Nucleic Acids Res.* 36 (1):e1, 1-11 (2008)

Banjac, A. et al. (11 Coauthors): The cystine/cysteine cycle: a redox cycle regulating susceptibility versus resistance to cell death. *Oncogene* 27 (11), 1618-1628 (2008)

Barth, S.\*, Pfuhl, T.\*, Mamiani, A.\*, Ehses, C.\*, Roemer, K.\*, Kremmer, E., Jäker, C.\*, Höck, J.\*, Meister, G.\*, Grässer, F.A.\*: Epstein-Barr virus-encoded microRNA miR-BART2 down-regulates the viral DNA polymerase BALF5. *Nucleic Acids Res.* 36 (2), 666-675 (2008)

Bauer, M., Kinkl, N., Meixner, A., Kremmer, E., Riemenschneider, M.\*, Förstl, H.\*, Gasser, T.\*, Ueffing, M.: Prevention of interferon-stimulated gene expression using microRNA-designed hairpins. *Gene Ther.* DOI: 10.1038/gt.2008.123 (2008)

Bendz, H., Marincek, B.C.\*, Momburg, F.\*, Ellwart, J.W., Issels, R.D., Nelson, P.J.\*, Noessner, E.: Calcium signaling in dendritic cells by human or mycobacterial Hsp70 is caused by contamination and is not required for Hsp70-mediated enhancement of cross-presentation. *J. Biol. Chem.* 283 (39), 26477-26483 (2008)

Berberich, S.\*, Dähne, S.\*, Schippers, A.\*, Peters, T.\*, Müller, W.\*, Kremmer, E., Förster, R.\*, Pabst, O.\*: Differential molecular and anatomical basis for B cell migration into the peritoneal cavity and omental milky spots. *J. Immunol.* 180 (4), 2196-2203 (2008)

Bernhard, H., Neudorfer, J.\*, Gebhard, K., Conrad, H.\*, Hermann, C.\*, Nährig, J.\*, Fend, F.\*, Weber, W.\*, Busch, D.H., Peschel, C.\*: Adoptive transfer of autologous, HER2-specific, cytotoxic T lymphocytes for the treatment of HER2-overexpressing breast cancer. *Cancer Immunol. Immunother.* 57 (2), 271-280 (2008)

Bigalke, B.\*, Geisler, T.\*, Stellos, K.\*, Langer, H.\*, Daub, K.\*, Kremmer, E., Seizer, P.\*, May, A.E.\*, Lindemann, S.\*, Gawaz, M.\*: Platelet collagen receptor glycoprotein VI as a possible novel indicator for the acute coronary syndrome. *Am. Heart J.* 156(1), 193-200 (2008)

Bleifuss, E. et al. (11 Coauthors): Differential capacity of chaperone-rich lysates in cross-presenting human endogenous and exogenous melanoma differentiation antigens. *Int. J. Hyperthermia* 24 (8), 623-637 (2008)

Boeck, S.\*, Wilkowski, R.\*, Bruns, C.J.\*, Issels, R.D., Schulz, C.\*, Moosmann, N.\*, Laessig, D.\*, Haas, M.\*, Golf, A.\*, Heinemann, V.\*: Oral capecitabine in gemcitabine-pretreated patients with advanced pancreatic cancer. *Oncology* 73 (3-4), 221-227 (2007)

Bohne, F.\*, Chmielewski, M.\*, Ebert, G.\*, Wiegmann, K.\*, Kürschner, T.\*, Schulze, A.\*, Urban, S.\*, Krönke, M.\*, Abken, H.\*, Protzer, U.: T cells redirected against hepatitis B virus surface proteins eliminate infected hepatocytes. *Gastroenterology* 134 (1), 239-247 (2008)

Bohne, F.\*, Protzer, U.: Adoptive T-cell therapy as a therapeutic option for chronic hepatitis B. *J. Viral Hepat.* 14 (Suppl. 1), 45-50 (2007)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

Butterfield, L.H.\*, Schendel, D. et al. (36 Coauthors): A systematic approach to biomarker discovery; preamble to "the iSBTC-FDA taskforce on immunotherapy biomarkers". *J. Transl. Med.* 6 (81) (2008)

Chapman, R.D., Heidemann, M., Hintermair, C., Eick, D.: Molecular evolution of the RNA polymerase II CTD. *Trends Genet.* 24 (6), 289-296 (2008)

Cho, C.H.\*, Wust, P.\*, Hildebrandt, B.\*, Issels, R.D., Sehouli, J.\*, Kerner, T.\*, Deja, M.\*, Budach, V.\*, Gellermann, J.\*: Regional hyperthermia of the abdomen in conjunction with chemotherapy for peritoneal carcinomatosis : Evaluation of two annular-phased-array applicators. *Int. J. Hyperthermia* 24 (5), 399-408 (2008)

Conrad, H., Gebhard, K., Krönig, H.\*, Neudorfer, J.\*, Busch, D.H., Peschel, C.\*, Bernhard, H.: CTLs directed against HER2 specifically cross-react with HER3 and HER4. *J. Immunol.* 180 (12), 8135-8145 (2008)

Cornberg, M.\*, Protzer, U. et al. (11 Coauthors): The German guideline for the management of hepatitis B virus infection : Short version. *J. Viral Hepat.* 15 (Suppl. 1), 1-20 (2008)

Delecluse, H.-J.\*, Feederle, R.\*, Behrends, U., Mautner, J.: Contribution of viral recombinants to the study of the immune response against the Epstein-Barr virus. *Semin. Cancer Biol.* 18 (6), 409-415 (2008)

Ebelt, K., Babaryka, G.\*, Figel, A.M., Pohla, H., Buchner, A.\*, Stief, C.G.\*, Eisenmenger, W.\*, Kirchner, T.\*, Schendel, D.J., Noessner, E.: Dominance of CD4+ lymphocytic infiltrates with disturbed effector cell characteristics in the tumor microenvironment of prostate carcinoma. *Prostate* 68 (1), 1-10 (2008)

Ege, M. J.\*, Krauss-Etschmann, S. et al. (14 Coauthors): Specific IgE to allergens in cord blood is associated with maternal immunity to *Toxoplasma gondii* and rubella virus. *Allergy* 63(11), 1505-1511 (2008)

Ege, M.J.\*, Krauss-Etschmann, S. et al. (14 Coauthors): Prenatal exposure to a farm environment modifies atopic sensitization at birth. *J. Allergy Clin. Immunol.* 122 (2), 407-412 (2008)

Ehrhardt, A.\*, Haase, R.\*, Schepers, A., Deutsch, M.J., Lipps, H.J.\*, Baiker, A.\*: Episomal vectors for gene therapy. *Curr. Gene Ther.* 8 (3), 147-161 (2008)

Ehrhardt, H.\*, Häcker, S.\*, Wittmann, S.\*, Maurer, M.\*, Borkhardt, A.\*, Toloczko, A., Debatin, K.M.\*, Fulda, S.\*, Jeremias, I.: Cytotoxic drug-induced, p53-mediated upregulation of caspase-8 in tumor cells. *Oncogene* 27 (6), 783-793 (2008)

El-Gogo, S.\*, Flach, B.\*, Staib, C.\*, Sutter, G.\*, Adler, H.: In vivo attenuation of recombinant murine gammaherpesvirus 68 (MHV-68) is due to the expression and immunogenicity but not to the insertion of foreign sequences. *Virology* 380, 322-327 (2008)

El-Gogo, S.\*, Staib, C., Lasarte, J.J.\*, Sutter, G.\*, Adler H.: Protective vaccination with hepatitis C virus NS3 but not core antigen in a novel mouse challenge model. *J. Gene Med.* 10 (2), 177-186 (2008)

Engels, K.\*, Jungnickel, B., Tobollik, S., Hansmann, M.L.\*, Kriener, S.\*, Willenbrock, K.\*: Expression of activation-induced cytidine deaminase in malignant lymphomas infiltrating the bone marrow. *Appl. Immunohistochem. Mol. Morphol.* 16 (6), 521-529 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

- Fedorova, E.\* , Sadoni, N.\* , Dahlsveen, I.K.\* , Koch, J.\* , Kremmer, E., Eick, D., Paro, R.\* , Zink, D.\*: The nuclear organization of Polycomb/Trithorax group response elements in larval tissues of *Drosophila melanogaster*. *Chromosome Res.* 16 (4), 649-673 (2008)
- Fiegl, M.\* , Lindner, L.H., Juergens, M.\* , Eibl, H.\* , Hiddemann, W., Braess, J.\*: Erufosine, a novel alkylphosphocholine, in acute myeloid leukemia : Single activity and combination with other antileukemic drugs. *Cancer Chemother. Pharmacol.* 62 (2), 321-329 (2008)
- Flockerzi, A.\* , Leib-Mösch, C. et al. (11 Coauthors): Expression patterns of transcribed human endogenous retrovirus HERV-K(HML-2) loci in human tissues and the need for a HERV Transcriptome Project. *BMC Genomics* 9:354, 1-17 (2008)
- Fluher, R.\* , Kremmer, E. et al. (11 Coauthors): Intramembrane proteolysis of GXGD-type aspartyl proteases is slowed by a familial Alzheimer disease-like mutation. *J. Biol. Chem.* 283 (44), 30121-30128 (2008)
- Frank, O.\* , Verbeke, C.\* , Schwarz, N.\* , Mayer, J., Fabarius, A.\* , Hehlmann, R.\* , Leib-Mösch, C., Seifarth, W.\*: Variable transcriptional activity of endogenous retroviruses in human breast cancer. *J. Virol.* 82 (4), 1808-1818 (2008)
- Frenzel, L.P.\* , Abdullah, Z.\* , Kriegeskorte, A.K.\* , Dieterich, R.\* , Lange, N.\* , Busch, D.H., Krönke, M.\* , Utermöhlen, O.\* , Hescheler, J.\* , Saric, T.\*: Role of NKG2D-ligands and ICAM-1 in NK cell-mediated Lysis of Murine Embryonic Stem Cells and Embryonic Stem Cell-derived Cardiomyocytes. *Stem Cells* DOI:10.1634/stemcells.2008-0528 (2008)
- Fröhlich Archangelo, L. et al. (11 Coauthors): The CALM and CALM/AF10 interactor CATS is a marker for proliferation. *Mol. Oncol.* 2, 356-367 (2008)
- Geisler, F.\* , Nagl, F.\* , Mazur, P.K.\* , Lee, M., Zimmer-Strobl, U., Strobl, L.J., Radtke, F.\* , Schmid, R.M., Siveke, J.T.\*: Liver-specific inactivation of Notch2, but not Notch1, compromises intrahepatic bile duct development in mice. *Hepatology* 48 (2), 607-616 (2008)
- Greif, P.A., Tizazu, B.\* , Krause, A., Kremmer, E., Bohlander, S.K.: The leukemogenic CALM/AF10 fusion protein alters the subcellular localization of the lymphoid regulator Ikaros. *Oncogene* 27 (20), 2886-2896 (2008)
- Guggemoos, S., Hangel, D.\* , Hamm, S.\* , Heit, A.\* , Bauer, S., Adler, H.: TLR9 contributes to antiviral immunity during gammaherpesvirus infection. *J. Immunol.* 180 (1), 438-443 (2008)
- Haindl, M.\* , Harasim, T., Eick, D., Muller, S.\*: The nucleolar SUMO-specific protease SENP3 reverses SUMO modification of nucleophosmin and is required for rRNA processing. *EMBO Rep.* 9 (3), 273-279 (2008)
- Hammerschmidt, S.I.\* , Ahrendt, M.\* , Bode, U.\* , Wahl, B.\* , Kremmer, E., Förster, R.\* , Pabst, O.\*: Stromal mesenteric lymph node cells are essential for the generation of gut-homing T cells in vivo. *J. Exp. Med.* 205 (11), 2483-2490 (2008)
- Härtl, B.\* , Zeller, T.\* , Blanchette, P.\* , Kremmer, E., Dobner, T.\*: Adenovirus type 5 early region 1B 55-kDa oncoprotein can promote cell transformation by a mechanism independent from blocking p53-activated transcription. *Oncogene* 27 (26), 3673-3684 (2008)
- Hartl, D. et al. (12 Coauthors): Infiltrated Neutrophils Acquire Novel Chemokine Receptor Expression and Chemokine Responsiveness in Chronic Inflammatory Lung Diseases. *J. Immunol.* 181 (11), 8053-8067 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

Harzheim, D.\*, Pfeiffer, K.H.\*, Fabritz, L.\*, Kremmer, E., Buch, T.\*, Waisman, A.\*, Kirchhof, P.\*, Kaupp, U.B.\*, Seifert, R.\*: Cardiac pacemaker function of HCN4 channels in mice is confined to embryonic development and requires cyclic AMP. *EMBO J.* 27 (4), 692-703 (2008)

Heissmeyer, V., Rao, A.: Itching to end NF-kB. *Nat. Immunol.* 9 (3), 227-229 (2008)

Heit, A.\*, Gebhardt, F.\*, Lahl, K.\*, Neuenhahn, M.\*, Schmitz, F.\*, Anderl, F.\*, Wagner, H.\*, Sparwasser, T.\*, Busch, D.H., Kastenmüller, K.: Circumvention of regulatory CD4(+) T cell activity during cross-priming strongly enhances T cell-mediated immunity. *Eur. J. Immunol.* 38 (6), 1585-1597 (2008)

Hoefig, K.P., Heissmeyer, V.: MicroRNAs grow up in the immune system. *Curr. Opin. Immunol.* 20 (3), 281-287 (2008)

Hoffmann, D.\*, Seebach, J.\*, Cosma, A., Goebel, F.D.\*, Strimmer, K.\*, Schätzl, H.M.\*, Erfle, V.: Therapeutic vaccination reduces HIV sequence variability. *FASEB J.* 22 (2), 437-444 (2008)

Hömig-Hölzel, C. et al. (10 Coauthors): Constitutive CD40 signaling in B cells selectively activates the noncanonical NF-kappaB pathway and promotes lymphomagenesis. *J. Exp. Med.* 205 (6), 1317-1329 (2008)

Issels, R. D.: Regional hyperthermia in high-risk soft tissue sarcomas. *Curr. Opin. Oncol.* 20 (4), 438-443 (2008)

Issels, R. D.: Hyperthermia adds to chemotherapy. *Eur. J. Cancer* 44 (17), 2546-2554 (2008)

Izzo, A.\*, Regnard, C.\*, Morales, V.\*, Kremmer, E., Becker, P.B.\*: Structure-function analysis of the RNA helicase maleless. *Nucleic Acids Res.* 36 (3), 950-962 (2008)

Jasiak, A.J.\*, Hartmann, H.\*, Karakasili, E.\*, Kalocsay, M.\*, Flatley, A., Kremmer, E., Strässer, K.\*, Martin, D.E.\*, Söding, J.\*, Cramer, P.\*: Genome-associated RNA polymerase II includes the dissociable Rpb4/7 subcomplex. *J. Biol. Chem.* 283 (39), 26423-26427 (2008)

Javorovic, M., Wilde, S., Zobywalski, A., Noessner, E., Lennerz, V.\*, Wölfel, T.\*, Schendel, D.J.: Inhibitory effect of RNA pool complexity on stimulatory capacity of RNA-pulsed dendritic cells. *J. Immunother.* 31 (1), 52-62 (2008)

Jenke, A.C.\*, Wilhelm, A.D.\*, Orth, V.\*, Lipps, H.J.\*, Protzer, U., Wirth, S.\*: Long-term suppression of hepatitis B virus replication by short hairpin RNA expression using the scaffold/matrix attachment region-based replicating vector system pEPI-1. *Antimicrob. Agents Chemother.* 52 (7), 2355-2359 (2008)

Kemptner, D.\*, Wildner, M.\*, Abu-Omar, K.\*, Caselmann, W.H.\*, Kerscher, G.\*, Reitmeir, P., Mielck, A., Rütten, A.\*: Regionale Unterschiede des Gesundheitsverhaltens in Bayern - Mehrebenenanalyse einer bevölkerungsrepräsentativen Befragung in Verbindung mit sozioökonomischen Strukturdaten. *Gesundheitswesen* 70 (1), 28-37 (2008)

Kieser, A.: Pursuing different 'TRADDes': TRADD signaling induced by TNF-receptor 1 and the Epstein-Barr virus oncoprotein LMP1. *Biol. Chem.* 389 (10), 1261-1271 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

Klibi, J.\* , Riedel, A. et al. (12 Coauthors): Blood diffusion and Th1-suppressive effects of galectin-9-containing exosomes released by Epstein-Barr virus-infected nasopharyngeal carcinoma cells. *Blood* DOI:10.1182/blood-2008-02-142596 (2008)

Klionsky, D.J.\* , Mautner, J. et al (235 Coauthors): Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *Autophagy* 4 (2), 151-175 (2008)

Krammer, C.\* , Suhre, M.H.\* , Kremmer, E., Diemer, C.\* , Hess, S.\* , Schätzl, H.M.\* , Scheibel, T.\* , Vorberg, I.\* : Prion protein/protein interactions: fusion with yeast Sup35p-NM modulates cytosolic PrP aggregation in mammalian cells. *FASEB J.* 22 (3), 762-773 (2008)

Kraus, B.\* , Ziegler, M., Wolff, H.: Linear fluorescence unmixing in cell biological research. *Modern Research and Educational Topics in Microscopy, Volume 2*, Méndez-Vilas, A.; Díaz, J. [Eds.], Badajoz, Spain : Formatex, 863-872 (2007)

Kronenberger, K., Nössner, E., Frankenberger, B., Wahl, U.\* , Dreyling, M.\* , Hallek, M.\* , Mocikat, R.: A polyvalent cellular vaccine induces T-cell responses against specific self-antigens overexpressed in chronic lymphocytic B-cell leukemia. *J. Immunother.* 31 (8), 723-730 (2008)

Kufer, T.A.\* , Kremmer, E., Adam, A.C.\* , Philpott, D.J.\* , Sansonetti, P.J.\* : The pattern-recognition molecule Nod1 is localized at the plasma membrane at sites of bacterial interaction. *Cell. Microbiol.* 10 (2), 477-486 (2008)

Kuppner, M.C.\* , Bleifuß, E., Noessner, E., Mocikat, R., Hesler, C.V.\* , Mayerhofer, C.\* , Issels, R.D.: Differential effects of ifosfamide on dendritic cell-mediated stimulation of T cell interleukin-2 production, natural killer cell cytotoxicity and interferon-gamma production. *Clin. Exp. Immunol.* 153, 429-438 (2008)

Kutz, H., Reisbach, G., Schultheiss, U., Kieser, A.: The c-Jun N-terminal kinase pathway is critical for cell transformation by the latent membrane protein 1 of Epstein-Barr virus. *Virology* 371 (2), 246-256 (2008)

Le Clorennec, C.\* , Rastelli, J. et al. (10 coauthors): Molecular basis of cytotoxicity of Epstein-Barr virus (EBV) latent membrane protein 1 (LMP1) in EBV latency III B cells : LMP1 induces type II ligand-independent autoactivation of CD95/Fas with caspase 8-mediated apoptosis. *J. Virol.* 82(13), 6721-6733 (2008)

Lindner, L.H.\* , Hossann, M.\* , Vogeser, M.\* , Teichert, N.\* , Wachholz, K.\* , Eibl, H.\* , Hiddemann, W.\* , Issels, R.D.: Dual role of hexadecylphosphocholine (miltefosine) in thermosensitive liposomes: active ingredient and mediator of drug release. *J. Control. Release* 125 (2), 112-120 (2008)

Lindner, L.H., Eibl, H.\* , Hossann, M., Vogeser, M.\* : Quantification of erufosine, the first intravenously applicable alkylphosphocholine, in human plasma by isotope dilution liquid chromatography-tandem mass spectrometry using a deuterated internal standard. *J. Chromatogr. B Analyt. Technol. Biomed. Life Sci.* 869 (1-2), 16-19 (2008)

Lindner, S.E.\* , Zeller, K., Schepers, A., Sugden, B.\* : The affinity of EBNA1 for its origin of DNA synthesis is a determinant of the origin's replicative efficiency. *J. Virol.* 82 (12), 5693-5702 (2008)

Lochner, M.\* , Kastenmüller, K., Neuenhahn, M.\* , Weighardt, H.\* , Busch, D.H., Reindl, W.\* , Förster, I.\* : Decreased susceptibility of mice to infection with *Listeria monocytogenes* in the absence of interleukin-18. *Infect. Immun.* 76 (9), 3881-3890 (2008)

Löer, B.\* , Bauer, R.\* , Bornheim, R.\* , Grell, J.\* , Kremmer, E., Kolanus, W.\* , Hoch, M.\* : The NHL-domain protein Wech is crucial for the integrin-cytoskeleton link. *Nat. Cell Biol.* 10 (4), 422-428 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

Lüking, C., Kronenberger, K., Frankenberger, B., Nössner, E., Röcken, M.\*, Mocikat, R.: Antitumor effector functions of T cells are dependent on in vivo priming and restricted T-cell receptor expression. *Int. J. Cancer* 122 (10), 2280-2285 (2008)

Lüscher-Firzlaff, J.\*, Kremmer, E. et al. (13 Coauthors): The human trithorax protein hASH2 functions as an oncoprotein. *Cancer Res.* 68 (3), 749-758 (2008)

Lutz-Bonengel, S.\*, Sängler, T.\*, Parson, W.\*, Müller, H.\*, Ellwart, J.W., Follo, M.\*, Bonengel, B.\*, Niederstätter, H.\*, Heinrich, M.\*, Schmidt, U.\*: Single lymphocytes from two healthy individuals with mitochondrial point heteroplasmy are mainly homoplasmic. *Int. J. Legal Med.* 122 (3), 189-197 (2008)

Mack, B.\*, Gires, O.: CD44s and CD44v6 expression in head and neck epithelia.. *PLoS ONE* 3 (10), 1-8 (2008)

Mages, J.\*, Freimüller, K., Lang, R.\*, Hatzopoulos, A.K., Guggemoos, S., Koszinowski, U.H.\*, Adler, H.: Proteins of the secretory pathway govern virus productivity during lytic gammaherpesvirus infection. *J. Cell. Mol. Med.* 12 (5B), 1974-1989 (2008)

Mamani-Matsuda, M.\*, Cosma, A. et al. (20 Coauthors): The human spleen is a major reservoir for long-lived vaccinia virus-specific memory B cells. *Blood* 111 (9), 4653-4659 (2008)

Martin, L.\*, Fluhrer, R.\*, Reiss, K.\*, Kremmer, E., Saftig, P.\*, Haass, C.\*: Regulated intramembrane proteolysis of Bri2 (Itm2b) by ADAM10 and SPPL2a/SPPL2b. *J. Biol. Chem.* 283 (3), 1644-1652 (2008)

Matthias, C.\*, Mack, B.\*, Berghaus, A.\*, Gires, O.: Keratin 8 expression in head and neck epithelia.. *BMC Cancer* 8:267, 1-10 (2008)

Meyer, V.S.\*, Kastenmüller, W., Gasteiger, G., Franz-Wachtel, M.\*, Lamkemeyer, T.\*, Rammensee, H.-G.\*, Stevanovic, S.\*, Siguardardottir, D.\*, Drexler, I.: Long-Term Immunity against Actual Poxviral HLA Ligands as Identified by Differential Stable Isotope Labeling. *J. Immunol.* 181 (9), 6371-6383 (2008)

Mierau, M., Drexler, G.A., Kutzera, A., Braunschmidt, K., Ellwart, J., Eckardt-Schupp, F., Fritz, E.\*, Bachl, J.\*, Jungnickel, B.: Non-conservative homologous recombination in human B lymphocytes is promoted by activation-induced cytidine deaminase and transcription. *Nucleic Acids Res.* 36 (17), 5591-5601 (2008)

Milani, V.\*, Pazos, M.\*, Issels, R.D., Buecklein, V.\*, Rahman, S.\*, Tschöep, K.\*, Schaffer, P.\*, Wilkowski, R.\*, Duehmke, E.\*, Schaffer, M.\*: Radiochemotherapy in Combination with Regional Hyperthermia in Preirradiated Patients with Recurrent Rectal Cancer. *Strahlenther. Onkol.* 184 (3), 163-168 (2008)

Munz, M.\*, Fellinger, K.\*, Hofmann, T.\*, Schmitt, B.\*, Gires, O.: Glycosylation is crucial for stability of tumour and cancer stem cell antigen EpCAM. *Front. Biosci.* 13, 5195-5201 (2008)

Murawska M.\*, Kunert, N.\*, van Vugt, J.\*, Längst, G.\*, Kremmer, E., Logie, C.\*, Brehm, A.\*: dCHD3, a novel ATP-dependent chromatin remodeler associated with sites of active transcription. *Mol. Cell. Biol.* 28 (8), 2745-2757 (2008)

Naarmann, I.S.\*, Harnisch, C.\*, Flach, N.\*, Kremmer, E., Kühn, H.\*, Ostareck, D.H.\*, Ostareck-Lederer, A.\*: mRNA silencing in human erythroid cell maturation : Heterogeneous nuclear ribonucleoprotein K controls the expression of its regulator c-Src. *J. Biol. Chem.* 283 (26), 18461-18472 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

Nakhai, H.\*, Sievke, J. T.\*, Klein, B.\*, Mendoza-Torres, L.\*, Mazur, P. K.\*, Algül, H.\*, Radtke, F.\*, Strobl, L., Zimmer-Strobl, U., Schmid, R. M.\*: Conditional ablation of Notch signaling in pancreatic development. *Development* 135(16), 2757-2765 (2008)

Naschberger, E.\*, Kremmer, E. et al. (11 Coauthors): Angiostatic immune reaction in colorectal carcinoma : Impact on survival and perspectives for antiangiogenic therapy. *Int. J. Cancer* 123 (9), 2120-2129 (2008)

Noessner, E., Schleypen, J.S.\*: The complexity of natural killer cells. *Clin. Cancer Res.* 13 (5), S. 1621 (2007)

Norseen, J.\*, Thomae, A., Sridharan, V.\*, Aiyar, A.\*, Schepers, A., Lieberman, P.M.\*: RNA-dependent recruitment of the origin recognition complex. *EMBO J.* 27 (22), 3024-3035 (2008)

Oostendorp, R.A.J.\*, Schiemann, M. et al. (10 Coauthors): Oncostatin M-mediated regulation of KIT-ligand-induced extracellular signal-regulated kinase signaling maintains hematopoietic repopulating activity of Lin(-) CD34(+) CD133(+) cord blood cells. *Stem Cells* 26 (8), 2164-2172 (2008)

Op den Brouw, M.L.\*, Binda, R.S.\*, van Roosmalen, M.H.\*, Protzer, U., Janssen, H.L.\*, van der Molen, R.G.\*, Woltman, A.M.\*: Hepatitis B virus surface antigen impairs myeloid dendritic cell function : a possible immune escape mechanism of hepatitis B virus. *Immunology* DOI:10.1111/j.1365-2567.2008.02896 (2008)

Ostronoff, L.K.\*, Kremmer, E., Fermín, M.L.\*, Fragío, C.\*, Mysliwicz, J., Kolb, H.J.\*, Tejero, C.\*: Canine stem cell factor augments expression of matrix metalloproteinase-9 by CD34 cells. *Cytotherapy* 10 (2), 193-202 (2008)

Pandithage, R.\*, Kremmer, E. et al. (10 Coauthors): The regulation of SIRT2 function by cyclin-dependent kinases affects cell motility. *J. Cell Biol.* 180 (5), 915-929 (2008)

Peller, M.\*, Schwerdt, A.\*, Hossann, M.\*, Reinl, H. M.\*, Wang, T., Sourbron, S.\*, Ogris, M.\*, Lindner, L. H.: MR Characterization of Mild Hyperthermia-Induced Gadodiamide Release From Thermosensitive Liposomes in Solid Tumors. *Invest. Radiol.* 43 (12), 877-892 (2008)

Pfefferle, P.I.\*, Krauss-Etschmann, S. et al. (18 Coauthors): Cord blood allergen-specific IgE is associated with reduced IFN-gamma production by cord blood cells: The Protection against Allergy-Study in Rural Environments (PASTURE) study. *J. Allergy Clin. Immunol.* 122 (4), 711-716 (2008)

Pfuhl, T.\*, Kremmer, E. et al. (13 Coauthors): The LARK/RBM4a protein is highly expressed in cerebellum as compared to cerebrum.. *Neurosci. Lett.* 444(1), 11-15 (2008)

Pich, D., Hummer, S., Spindler, M.-P., Schepers, A., Hammerschmidt, W.: Conditional gene vectors regulated in cis. *Nucleic Acids Res.* 36(13):e83, 1-11 (2008)

Poeck, H.\*, Kremmer, E. et al. (30 Coauthors): 5'-Triphosphate-siRNA : turning gene silencing and Rig-I activation against melanoma. *Nat. Med.* 14 (11), 1256-1263 (2008)

Quasdorff, M.\*, Protzer, U. et al. (10 Coauthors): A concerted action of HNF4alpha and HNF1alpha links hepatitis B virus replication to hepatocyte differentiation. *Cell. Microbiol.* 10 (7), 1478-1490 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

- Rastelli, J., Hömig-Hölzel, C., Seagal, J.\*, Müller, W.\*, Hermann, A.C., Rajewsky, K.\*, Zimmer-Strobl, U.: LMP1 signaling can replace CD40 signaling in B cells in vivo and has unique features of inducing class-switch recombination to IgG1. *Blood* 111 (3), 1448-1455 (2008)
- Riccio, O.\*, van Gijn, E.\*, Bezdek, A. C.\*, Pellegrinet, L.\*, van Es, J. H.\*, Zimmer-Strobl, U., Strobl, L. J., Honjo, T.\*, Clevers, H.\*, Radtke, F.\*: Loss of intestinal crypt progenitor cells owing to inactivation of both Notch1 and Notch2 is accompanied by derepression of CDK inhibitors p27Kip1 and p57Kip2. *EMBO Rep.* 9 (4), 377-383 (2008)
- Riedel, A., Nimmerjahn, F.\*, Burdach, S.\*, Behrends, U., Bornkamm, G.W., Mautner, J.: Endogenous presentation of a nuclear antigen on MHC class II by autophagy in the absence of CRM1-mediated nuclear export. *Eur. J. Immunol.* 38 (8), 2090-2095 (2008)
- Rollier, C.S.\*, Staib, C. et al. (25 Coauthors): Vaccine-induced early control of hepatitis C virus infection in chimpanzees fails to impact on hepatic PD-1 and chronicity. *Hepatology* 45 (3), 602-613 (2007)
- Rothbauer, U.\*, Zolghadr, K.\*, Muyldermans, S.\*, Schepers, A., Cardoso, M.C.\*, Leonhardt, H.\*: A versatile nanotrap for biochemical and functional studies with fluorescent fusion proteins. *Mol. Cell. Proteomics* 7 (2), 282-289 (2008)
- Rothenaigler, I., Kramer, S., Meggendorfer, M., Rethwilm, A.\*, Brack-Werner, R.: Transduction of human neural progenitor cells with foamy virus vectors for differentiation-dependent gene expression. *Gene Ther.* doi:10.1038/gt.2008.173 (2008)
- Rottach, A.\*, Kremmer, E., Nowak, D.\*, Boisguerin, P.\*, Volkmer, R.\*, Cardoso, M.C.\*, Leonhardt, H.\*, Rothbauer, U.\*: Generation and characterization of a rat monoclonal antibody specific for PCNA. *Hybridoma (Larchmt)* 27 (2), 91-98 (2008)
- Rottach, A.\*, Kremmer, E., Nowak, D.\*, Leonhardt, H.\*, Cardoso, M.C.\*: Generation and characterization of a rat monoclonal antibody specific for multiple red fluorescent proteins. *Hybridoma (Larchmt)* 27 (5), 337-343 (2008)
- Rüdel, S.\*, Flatley, A., Weinmann, L.\*, Kremmer, E., Meister, G.\*: A multifunctional human Argonaute2-specific monoclonal antibody. *RNA* 14 (6), 1244-1253 (2008)
- Sander, G.\*, Konrad, A.\*, Thureau, M.\*, Wies, E.\*, Leubert, R.\*, Kremmer, E., Dinkel, H.\*, Schulz, T.\*, Neipel, F.\*, Stürzl, M.\*: Intracellular localization map of human herpesvirus 8 proteins. *J. Virol.* 82 (4), 1908-1922 (2008)
- Schendel, D.J., Frankenberger, B.: Cell-Based Vaccines for Renal Cell Carcinoma. *Renal Cell Cancer: Diagnosis and Therapy*, de la Rosette, J.J.M.C.H.; Sternberg, C.N., van Poppel H.P.A. [Eds.], Berlin : Springer, 475-488 (2008)
- Schlosser, E.\*, Mueller, M.\*, Fischer, S.\*, Basta, S.\*, Busch, D.H., Gander, B.\*, Groettrup, M.\*: TLR ligands and antigen need to be coencapsulated into the same biodegradable microsphere for the generation of potent cytotoxic T lymphocyte responses. *Vaccine* 26 (13), 1626-1637 (2008)
- Schneider, F., Neugebauer, J., Griese, J., Liefold, N., Kutz, H., Briseño, C., Kieser, A.: The viral oncoprotein LMP1 exploits TRADD for signaling by masking its apoptotic activity. *PLoS Biol.* 6(1):e8, 1-13 (2008)
- Schneider, M.R.\*, Wolf, E.\*, Braun, J.\*, Kolb, H.J., Adler, H.: Canine embryo-derived stem cells and models for human diseases. *Hum. Mol. Genet.* 17 (R1), 42-47 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Infection and Immunity

---

Schöbel, S.\*, Neumann, S.\*, Hertweck, M.\*, Dislich, B.\*, Kuhn, P.H.\*, Kremmer, E., Seed, B.\*, Baumeister, R.\*, Haass, C.\*, Lichtenthaler, S.F.\*: A novel sorting nexin modulates endocytic trafficking and alpha-secretase cleavage of the amyloid precursor protein. *J. Biol. Chem.* 283 (21), 14257-14268 (2008)

Schulz, C.\*, Kremmer, E. et al. (14 Coauthors): Platelet GPVI binds to collagenous structures in the core region of human atheromatous plaque and is critical for atheroprogession in vivo.. *Basic Res. Cardiol.* 103(4), 356-367 (2008)

Schulze, K.\*, Staib, C., Schätzl, H.M.\*, Ebensen, T.\*, Erfle, V., Guzman, C.A.\*: A prime-boost vaccination protocol optimizes immune responses against the nucleocapsid protein of the SARS coronavirus. *Vaccine* 26 (51), 6678-6684 (2008)

Schwerdt, A.\*, Zintchenko, A.\*, Concia, M.\*, Roesen, N.\*, Fisher, K.\*, Lindner, L.H., Issels, R., Wagner, E.\*, Ogris, M.\*: Hyperthermia-induced targeting of thermosensitive gene carriers to tumors. *Hum. Gene Ther.* 19 (11), 1283-1292 (2008)

Schyschka, L.\*, Rudy, A.\*, Jeremias, I., Barth, N.\*, Pettit, G.R.\*, Vollmar, A.M.\*: Spongistatin 1: a new chemosensitizing marine compound that degrades XIAP. *Leukemia* 22 (9), 1737-1745 (2008)

Seth, S.\*, Maier, M.K.\*, Qiu, Q.\*, Ravens, I.\*, Kremmer, E., Förster, R.\*, Bernhardt, G.\*: The murine pan T cell marker CD96 is an adhesion receptor for CD155 and nectin-1. *Biochem. Biophys. Res. Commun.* 364 (4), 959-965 (2007)

Thomae, A.W., Pich, D., Brocher, J.\*, Spindler, M.P.\*, Berens, C.\*, Hock, R.\*, Hammerschmidt, W., Schepers, A.: Interaction between HMGA1a and the origin recognition complex creates site-specific replication origins. *Proc. Natl. Acad. Sci. U.S.A.* 105 (5), 1692-1697 (2008)

Tschoep, K.E.\*, Noessner, E.: Understand tolerogenic dendritic cells. *Blood* 109 (9), S. 3616 (2007)

Urban, S.\*, Protzer, U.: Hepatitis B virus : Lessons learned from the virus life cycle. *Comparative Hepatitis*, Weber, O.; Protzer, U. [Eds.], Basel : Birkhäuser, 75-93 (2008)

Wang, T.\*, Hossann, M.\*, Reinl, H.M., Peller, M.\*, Eibl, H.\*, Reiser, M.\*, Issels, R.D., Lindner, L.H.: In vitro characterization of phosphatidylglycerol-based thermosensitive liposomes with encapsulated 1H MR T1-shortening gadodiamide. *Contrast Media Mol. Imaging* 3 (1), 19-26 (2008)

Wies, E.\*, Mori, Y.\*, Hahn, A.\*, Kremmer, E., Stürzl, M.\*, Fleckenstein, B.\*, Neipel, F.\*: The viral interferon-regulatory factor-3 is required for the survival of KSHV-infected primary effusion lymphoma cells. *Blood* 111 (1), 320-327 (2008)

Wiesner, M., Zentz, C., Mayr, C.\*, Wimmer, R.\*, Hammerschmidt, W., Zeidler, R.\*, Moosmann, A.: Conditional immortalization of human B cells by CD40 ligation. *PLoS ONE* 3 (1):e1464, 1-13 (2008)

Witter, K.\*, Mautner, J., Volgger, A.\*, Zahn, R.\*, Kauke, T.\*: A novel HLA-DRB1 allele, HLA-DRB1\*0465, was identified in a Hodgkin's lymphoma cell line. *Tissue Antigens* 71 (3), 250-259 (2008)

Zychlinska, M., Herrmann, H., Zimmer-Strobl, U., Hammerschmidt, W.: Restricted expression of Epstein-Barr virus latent genes in murine B cells derived from embryonic stem cells. *PLoS ONE* 3 (4):e1996, 1-9 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Adam, T., Zimmermann, R.: Determination of single photon ionization cross sections for quantitative analysis of complex organic mixtures. *Anal. Bioanal. Chem.* 389 (6), 1941-1951 (2007)

Albrecht, V., Hofer, T.P.J., Foxwell, B.\*, Frankenberger, M., Ziegler-Heitbrock, L.: Tolerance induced via TLR2 and TLR4 in human dendritic cells: role of IRAK-1. *BMC Immunol.* 9:69 (2008)

Alessandrini, F., Semmler-Behnke, M., Jakob, T.\*, Schulz, H., Behrendt, H., Kreyling, W.: Total and regional deposition of ultrafine particles in a mouse model of allergic inflammation of the lung. *Inhal. Toxicol.* 20 (6), 585-593 (2008)

Al-Jundi, J.\*, Al-Ahmad, N.\*, Shehadeh, H.\*, Afaneh, F.\*, Maghrabi, M.\*, Gerstmann, U., Hoellriegl, V., Oeh, U.: Investigations on the activity concentrations of U-238, Ra-226, Ra-228, Pb-210 and K-40 in Jordan phosphogypsum and fertilizers. *Radiat. Prot. Dosimetry* 131 (4), 449-454 (2008)

Alloni, D.\*, Friedland, W. et al. (31 Coauthors): Charged particle effects : Experimental and theoretical studies on the mechanisms underlying the induction of molecular and cellular damage and the modulation of intracellular signalling. *Nuovo Cimento C* 31 (N.1), 21-38 (2008)

Amann, M.\*, Heinrich, J. et al. (44 Coauthors): Health relevance of particulate matter from various sources. , 21 S. (2007)

Andersson, K.G.\*, Brown, J.\*, Mortimer, K.\*, Jones, J.A.\*, Charnock, T.\*, Thykier-Nielsen, S.\*, Kaiser, J.C., Pröhl, G., Nielsen, S.P.\*: New developments to support decision-making in contaminated inhabited areas following incidents involving a release of radioactivity to the environment. *J. Environ. Radioact.* 99 (3), 439-454 (2008)

Andrae, U., Speit, G.\*: In vitro tests for genotoxicity. *Toxicology and Risk Assessment : A Comprehensive Introduction*, Greim, H. ; Snyder, R. [Eds.], Hoboken : John Wiley & Sons, 385-406 (2008)

Andrasi, A.\*, Höllriegl, V. et al. (14 Coauthors): Practical implications of procedures developed in IDEA project—comparison with traditional methods. *Radiat. Prot. Dosimetry* 125 (1-4), 456-459 (2007)

Andreae, M.O.\*, Schmid, O., Yang, H.\*, Chand, D.\*, Yu, J.Z.\*, Zeng, L.-M.\*, Zhang, Y.-H.\*: Optical properties and chemical composition of the atmospheric aerosol in urban Guangzhou, China. *Atmos. Environ.* 42 (25), 6335-6350 (2008)

Antova, T.\*, Heinrich, J. et al. (14 Coauthors): Exposure to indoor mould and children's respiratory health in the PATY study. *J. Epidemiol. Community Health* 62 (8), 708-714 (2008)

Apfelbacher, C.J.\*, Loerbroks, A.\*, Cairns, J.\*, Behrendt, H., Ring, J.\*, Krämer, U.\*: Predictors of overweight and obesity in five to seven-year-old children in Germany : Results from cross-sectional studies. *BMC Public Health* 8:171, 1-10 (2008)

Arakawa, H., Buerstedde, J.-M.: Activation-induced cytidine deaminase-mediated hypermutation in the DT40 cell line. *Philos. Trans. R. Soc. Lond., B, Biol. Sci.* 364(Number 1517), 639-644 (2008)

Bauer, V.L. et al. (11 Coauthors): Chromosomal changes characterize head and neck cancer with poor prognosis. *J. Mol. Med.* 86 (12), 1353-1365 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

- Beck, P.\* , Rühm, W. et al. (12 Coauthors): Validation of modelling the radiation exposure due to solar particle events at aircraft altitudes. *Radiat. Prot. Dosimetry* 131 (1), 51-58 (2008)
- Becker, J., Zankl, M., Fill, U., Hoeschen, C.: About Katja, a virtual human phantom of a 24-week pregnant woman. *Scientific Reports: J. Univ. Appl. Sci. Mittweida* Nr. 3 (Medizintechnik), 5-7 (2007)
- Behrendt, H.: Klimawandel und Allergie. Schriftenreihe der Landeszentrale für Gesundheit in Bayern ; Band 19, Globaler Klimawandel und Gesundheit, Gostomzyk, J.G. ; Enke, M. [Hrsg.], München : Landeszentrale für Gesundheit in Bayern e.V., 75-85 (2008)
- Belloni, B.\* , Andres, C.\* , Ollert, M.\* , Ring, J.\* , Mempel, M.: Novel immunological approaches in the treatment of atopic eczema. *Curr. Opin. Allergy Clin. Immunol.* 8 (5), 423-427 (2008)
- Bockhorst, K.H.\* , Hahn, K. et al. (10 Coauthors): Early postnatal development of rat brain: In vivo diffusion tensor imaging. *J. Neurosci. Res.* 86 (7), 1520-1528 (2008)
- Bolch, W.E.\* , Shah, A.P.\* , Watchman, C.J.\* , Jokisch, D.W.\* , Patton, P.W.\* , Rajon, D.A.\* , Zankl, M., Petoussi-Hens, N., Eckerman, K.F.\* : Skeletal absorbed fractions for electrons in the adult male : Considerations of a revised 50- $\mu$ m definition of the bone endosteum. *Radiat. Prot. Dosimetry* 127 (1-4), 169-173 (2007)
- Bolle, I., Eder, G., Takenaka, S., Ganguly, K., Karrasch, S., Zeller, C., Neuner, M., Kreyling, W.G., Tsuda, A.\* , Schulz, H.: Postnatal lung function in the developing rat. *J. Appl. Physiol.* 104 (4), 1167-1176 (2008)
- Braun, R.J., Zischka, H.: Mechanisms of Cdc48/VCP-mediated cell death: from yeast apoptosis to human disease. *BBA - Molecular Cell Research* 1783 (7), 1418-1435 (2008)
- Braun-Falco, M.\* , Rödl, D.: Recombinant adeno-associated virus vectors for somatic gene therapy in dermatology. *Expert Rev. Dermatol.* 2 (2), 167-177 (2007)
- Brockow, I. et al. (12 Coauthors): Einfluss von Lebensbedingungen und Verhaltensweisen auf die Entwicklung von Immunsystem und Allergien im Ost-West-Vergleich (LISA) : Design und bisherige Ergebnisse einer prospektiven Geburtskohortenstudie in Deutschland. *Monatsschr. Kinderheilkd.* 156, 249-255 (2008)
- Brockow, K., Jofer, C.\* , Behrendt, H., Ring, J.\* : Anaphylaxis in patients with mastocytosis: a study on history, clinical features and risk factors in 120 patients. *Allergy* 63 (2), 226-232 (2008)
- Broding, H. C.\* , Michalke, B., Göen, T.\* , Drexler, H.\* : Comparison between exhaled breath condensate analysis as a marker for cobalt and tungsten exposure and biomonitoring in workers of a hard metal alloy processing plant.. *Int. Arch. Occup. Environ. Health* (2008)
- Brown, J.E.\* , Alfonso, B.\* , Avila, R.\* , Beresford, N.A.\* , Copplestone, D.\* , Prühl, G., Ulanovsky, A.: The ERICA Tool. *J. Environ. Radioact.* 99 (9), 1371-1383 (2008)
- Brüske-Hohlfeld, I.: Environmental and occupational risk factors for lung cancer. *Methods in Molecular Biology*, Volume 472, Cancer Epidemiology, Verma, M. [Ed.], Totowa, NJ : Humana Press, 3-23 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Burke, B.\*, Ahmad, R.\*, Staples, K.J.\*, Snowden, R.\*, Kadioglu, A.\*, Frankenberger, M., Hume, D.A.\*, Ziegler-Heitbrock, L.: Increased TNF expression in CD43(++) murine blood monocytes. *Immunol. Lett.* 118 (2), 142-147 (2008)

Buters, J.T., Kasche, A., Weichenmeier, I., Schober, W., Klaus, S., Traidl-Hoffmann, C., Menzel, A.\*, Huss-Marp, J., Kramer, U.\*, Behrendt, H.: Year-to-year variation in release of Bet v 1 allergen from birch pollen : Evidence for geographical differences between West and South Germany. *Int. Arch. Allergy Immunol.* 145 (2), 122-130 (2008)

Caldwell, R.B., Fiedler, P., Schoetz, U., Buerstedde, J.-M.: Gene Function Analysis Using the Chicken B-Cell Line DT40. *Methods in Molecular Biology*; Vol. 408, Gene Function Analysis, Ochs, M. [Ed.], Clifton, N.J. : Humana Press, 193-210 (2007)

Cerveri, I.\*, Heinrich, J. et al. (16 Coauthors): Underestimation of airflow obstruction among young adults using FEV1/FVC <70% as a fixed cut-off : a longitudinal evaluation of clinical and functional outcomes. *Thorax* 63 (12), 1040-1045 (2008)

Chen, C.-M. et al. (12 Coauthors): Dog ownership and contact during childhood and later allergy development. *Eur. Respir. J.* 31 (5), 963-973 (2008)

Chen, C.-M. et al. (14 Coauthors): Domestic cat allergen and allergic sensitisation in young children. *Int. J. Hyg. Environ. Health* 211 (3-4), 337-344 (2008)

Chen, W.\*, Mempel, M.\*, Schober, W., Behrendt, H., Ring, J.\*: Gender difference, sex hormones, and immediate type hypersensitivity reactions. *Allergy* 63 (11), 1418-1427 (2008)

Cyrus, J., Pitz, M.\*, Heinrich, J., Wichmann, H.-E., Peters, A.: Spatial and temporal variation of particle number concentration in Augsburg, Germany. *Sci. Total Environ.* 401 (1-3), 168-175 (2008)

Daegelmann, C.\*, Herberth, G.\*, Röder, S.\*, Herbarth, O.\*, Giese, T.\*, Krämer, U.\*, Behrendt, H., Borte, M.\*, Heinrich, J., Emmrich, F., Lehmann, I.\*: Association between suppressors of cytokine signalling, T-helper type 1/T-helper type 2 balance and allergic sensitization in children. *Clin. Exp. Allergy* 38 (3), 438-448 (2008)

Darsow, U., Ring, J.\*: Immunoglobulin E-mediated allergy plays a role in atopic eczema as shown in the atopy patch test. *WAO J.* 1 (3), 51-56 (2008)

de la Heras, H., Tischenko, O., Xu, Y.\*, Hoeschen, C.: Comparison of interpolation functions to improve a rebinning-free CT-reconstruction algorithm. *Z. Med. Phys.* 18 (1), 7-16 (2008)

de las Heras, H., Tischenko, O., Renger, B.\*, Xu, Y.\*, Hoeschen, C.: Experimental proof of an idea for a CT-scanner with dose reduction potential. *Proceedings of SPIE ; Vol. 6913, Medical Imaging 2008: Physics of Medical Imaging*, Hsieh, J. ; Samei, E. [Eds.], S. 691307 (2008)

Deak, P.\*, van Straten, M.\*, Shrimpton, P.C.\*, Zankl, M., Kalender, W.A.\*: Validation of a Monte Carlo tool for patient-specific dose simulations in multi-slice computed tomography.. *Eur. Radiol.* 18 (4), 759-772 (2008)

Degteva, M.O.\*, Bougrov, N.G.\*, Vorobiova, M.I., Jacob, P., Göksu, H.Y.: Evaluation of anthropogenic dose distribution amongst building walls at the Metlino area of the upper Techa River region. *Radiat. Environ. Biophys.* 47 (4), 469-479 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Dellinger, B.\* , Stoeger, T. et al. (18 Coauthors): Combustion Byproducts and Their Health Effects : Summary of the 10th International Congress. *Environ. Eng. Sci.* 25 (8), 1107-1114 (2008)

Denham, S.\* , Koppelman, G.H.\* , Blakey, J.\* , Wjst, M., Ferreira, M.A.\* , Hall, I.P.\* , Sayers, I.\*: Meta-analysis of genome-wide linkage studies of asthma and related traits. *Respir. Res.* 9:38, 1-12 (2008)

Dingfelder, M.\* , Ritchie, R.H.\* , Turner, J.E.\* , Friedland, W., Paretzke, H.G., Hamm, R.N.\*: Comparisons of calculations with PARTRAC and NOREC : Transport of electrons in liquid water. *Radiat. Res.* 169 (5), 584-594 (2008)

Eckerman, K.F.\* , Bolch, W.E.\* , Zankl, M., Petoussi-Hens, N.: Response functions for computing absorbed dose to skeletal tissues from photon irradiation. *Radiat. Prot. Dosimetry* 127 (1-4), 187-191 (2007)

Eichhorn, M.E.\* , Strieth, S.\* , Luedemann, S.\* , Kleespies, A.\* , Nöth, U., Passon, A.\* , Brix, G.\* , Jauch, K.W.\* , Bruns, C.J.\* , Dellian, M.\*: Contrast enhanced MRI and intravital fluorescence microscopy indicate improved tumor microcirculation in highly vascularized melanomas upon short-term anti-VEGFR treatment. *Cancer Biol. Ther.* 7 (7), 1006-1013 (2008)

Eidemüller, M., Ostroumova, E.\* , Krestinina, L.\* , Akleyev, A.\* , Jacob, P.: Analysis of solid cancer mortality in the techa river cohort using the two-step clonal expansion model. *Radiat. Res.* 169 (2), 138-148 (2008)

Eller, E.\* , Chen, C.-M. et al. (27 Coauthors): Meta-analysis of determinants for pet ownership in 12 European birth cohorts on asthma and allergies: a GA2LEN initiative.. *Allergy* 63 (11), 1491-1498 (2008)

Ey, K., Pötzsche, C.\*: Asymptotic behavior of recursions via fixed point theory. *J. Math. Anal. Appl.* 337 (2), 1125-1141 (2008)

Eyerich, K., Foerster, S., Rombold, S.\* , Seidl, H.P.\* , Behrendt, H., Hofmann, H.\* , Ring, J.\* , Traidl-Hoffmann, C.: Patients with Chronic Mucocutaneous Candidiasis Exhibit Reduced Production of Th17-Associated Cytokines IL-17 and IL-22. *J. Invest. Dermatol.* 128, 2640–2645 (2008)

Eyerich, K., Huss-Marp, J., Darsow, U.\* , Wollenberg, A., Foerster, S., Ring, J.\* , Behrendt, H., Traidl-Hoffmann, C.: Pollen grains induce a rapid and biphasic eczematous immune response in atopic eczema patients. *Int. Arch. Allergy Immunol.* 145 (3), 213-223 (2008)

Eyerich, K., Traidl-Hoffmann, C., Albert, A.\* , Kerzl, R.\* , Rombold, S.\* , Darsow, U.\* , Eberlein, B.\* , Jakob, T.\* , Ring, J.\* , Hein, R.\*: Lipomatous metaplasia after severe and chronic cutaneous inflammation. *Dermatology (Basel)* 217 (1), 52-55 (2008)

Fertl, A.\* , Menzel, M.\* , Hofer, T.P., Morresi-Hauf, A.\* , Ziegler-Heitbrock, L., Frankenberger, M.: Monitoring of glucocorticoid therapy by assessment of CD14(+)CD16(+) monocytes : A case report. *Immunobiology* 213 (9-10), 909-916 (2008)

Filbir, F., Schmid, D.: Stability results for approximation by positive definite functions on SO(3). *J. Approx. Theory* 153 (2), 170-183 (2008)

Filbir, F., Themistoclakis, W.\*: Polynomial approximation on the sphere using scattered data. *Math. Nachr.* 281 (5), 650-668 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Filipiak, B. et al. (10 Coauthors): Frühe Beikost Einführung und Auftreten von Ekzem innerhalb der ersten vier Lebensjahre : Ergebnisse der GINI-Geburtskohorte. *Allergo J.* 17 (1), 82-83 (2008)

Filser, J.G., Hutzler, C.\*, Rampf, F., Kessler, W., Faller, T.H., Leibold, E.\*, Pütz, C., Halbach, S., Csanády, G.A.: Concentrations of the propylene metabolite propylene oxide in blood of propylene-exposed rats and humans--a basis for risk assessment. *Toxicol. Sci.* 102 (2), 219-231 (2008)

Flohr, C.\*, Rzehak, P. et al. (12 Coauthors): The role of atopic sensitization in flexural eczema: findings from the International Study of Asthma and Allergies in Childhood Phase Two. *J. Allergy Clin. Immunol.* 121 (1), 141-147 (2008)

Frankenberger, M., Schwaeble, W.\*, Ziegler-Heitbrock, L.: Expression of M-Ficolin in human monocytes and macrophages. *Mol. Immunol.* 45 (5), 1424-1430 (2008)

Friedland, W., Paretzke, H.G., Ballarini, F.\*, Ottolenghi, A.\*, Kreth, G.\*, Cremer, C.\*: First steps towards systems radiation biology studies concerned with DNA and chromosome structure within living cells. *Radiat. Environ. Biophys.* 47 (1), 49-61 (2008)

Friedrich, F.\*, Kempe, A., Liebscher, V.\*, Winkler, G.: Complexity Penalized M-Estimation : Fast Computation. *J. Comput. Graph. Stat.* 17 (1), 201-224 (2008)

Fromme, H.\*, Diemer, J.\*, Dietrich, S.\*, Cyrus, J., Heinrich, J., Lang, W.\*, Kiranoglu, M.\*, Twardella, D.\*: Chemical and morphological properties of particulate matter (PM10, PM2.5) in school classrooms and outdoor air. *Atmos. Environ.* 42 (27), 6597-6605 (2008)

Ganguly, K., Schulz, H.: Association studies of lung function in mice. *Dtsch. Tierärztl. Wochenschr.* 115 (7), 276-284 (2008)

Garland, R.M.\*, Schmid, O. et al. (16 Coauthors): Aerosol optical properties in a rural environment near the mega-city Guangzhou, China : Implications for regional air pollution, radiative forcing and remote sensing. *Atmos. Chem. Phys.* 8 (17), 5161-5186 (2008)

Gehrmann, M.\*, Liebisch, G.\*, Schmitz, G.\*, Anderson, R.\*, Steinem, C.\*, De Maio, A.\*, Pockley, G.\*, Multhoff, G.: Tumor-specific Hsp70 plasma membrane localization is enabled by the glycosphingolipid Gb3. *PLoS ONE* 3 (4):e1925, 1-9 (2008)

Gehrmann, M.\*, Radons, J.\*, Molls, M.\*, Multhoff, G.: The therapeutic implications of clinically applied modifiers of heat shock protein 70 (Hsp70) expression by tumor cells. *Cell Stress Chaperones* 13 (1), 1-10 (2008)

Geiser, M.\*, Casaulta, M.\*, Kupferschmid, B.\*, Schulz, H., Semmler-Behnke, M., Kreyling, W.: The role of macrophages in the clearance of inhaled ultrafine titanium dioxide particles. *Am. J. Respir. Cell Mol. Biol.* 38 (3), 371-376 (2008)

Gerstmann, U.: Comment on "Sequential determination of Pu and Am radioisotopes in environmental samples; a comparison of two separation procedures" by R. Jakopic, P. Tavcar and L. Benedik, *Appl. Radiat. Isot.* 65 (2007) 504-511. *Appl. Radiat. Isot.* 66 (3), 332-333 (2008)

Gerstmann, U.C., Szymczak, W., Höllriegel, V., Li, W.B., Roth, P., Schramel, P., Takenaka, S., Oeh, U.: Investigations on the solubility of corrosion products on depleted uranium projectiles by simulated body fluids and the consequences on dose assessment. *Radiat. Environ. Biophys.* 47 (2), 205-212 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

- Giussani, A., Cantone, M.C.\*, Gerstmann, U., Greiter, M., Hertenberg, R.\*, Höllriegel, V., Leopold, K., Veronese, I.\*, Oeh, U.: Biokinetics of ruthenium isotopes in humans and its dependence on chemical speciation. 12th International Congress of the International Radiation Protection Association, CD-ROM (2008)
- Giussani, A., Cantone, M.C.\*, Höllriegel, V., Oeh, U., Tavola, F.\*, Veronese, I.\*: Modelling urinary excretion of molybdenum after oral and intravenous administration of stable tracers. *Radiat. Prot. Dosimetry* 127 (1-4), 136-139 (2007)
- Giussani, A., Gerstmann, U., Guzzi, G.\*, La Porta, C.\*, Cantone, M.C.\*, Veronese, I.\*: Natural radioactivity in zirconia-based dental ceramics. 12th International Congress of the International Radiation Protection Association, CD-ROM (2008)
- Giussani, A., Nosske, D.\*, Birchall, A.\*, Blanchardon, E.\*, Breustedt, B.\*, Luciani, A.\*, Marsh, J.\*, Oeh, U., Ratia, G.\*, Lopez, M.A.\*: Characterisation, implementation and quality assurance of biokinetic models. The experience of the CONRAD Task Group 5.2. 12th International Congress of the International Radiation Protection Association, CD-ROM (2008)
- Giussani, A.: A recycling systemic model for the biokinetics of molybdenum radionuclides. *Sci. Total Environ.* 404 (1), 44-55 (2008)
- Gómez-Ros, J.M.\*, de Carlan, L.\*, Franck, D.\*, Gualdrini, G.\*, Lis, M.\*, López, M.A.\*, Moraleda, M.\*, Zankl, M.: Monte Carlo modelling for in vivo measurements of americium in a knee voxel phantom: general criteria for an international comparison. *Radiat. Prot. Dosimetry* 127 (1-4), 245-248 (2007)
- Gómez-Ros, J.M.\*, de Carlan, L.\*, Franck, D.\*, Gualdrini, G.\*, Lis, M.\*, López, M.A.\*, Moraleda, M.\*, Zankl, M.: Analysis of a computational problem involving complex voxel geometries. *Radiat. Prot. Dosimetry* 131 (1), 24-27 (2008)
- Gómez-Ros, J.M.\*, Pröhl, G., Ulanovsky, A., Lis, M.\*: Uncertainties of internal dose assessment for animals and plants due to non-homogeneously distributed radionuclides. *J. Environ. Radioact.* 99 (9), 1449-1455 (2008)
- Gomez-Ros, J.M.\*, Zankl, M. et al. (26 Coauthors): Monte Carlo modelling of Germanium detectors for the measurement of low energy photons in internal dosimetry : Results of an international comparison. *Radiat. Meas.* 43 (2-6), 510-515 (2008)
- Götschi, T.\*, Heinrich, J., Sunyer, J.\*, Künzli, N.\*: Long-term effects of ambient air pollution on lung function : a review. *Epidemiology* 19 (5), 690-701 (2008)
- Grau, M.\*, Peters, A. et al. (13 Coauthors): South-to-North gradient in lipid peroxidation in men with stable coronary artery disease in Europe. *Eur. Heart J.* 28 (23), 2841-2849 (2007)
- Greiter, M. et al. (13 Coauthors): Measurement techniques for tracer kinetic studies with stable isotopes of zirconium. *Radiat. Prot. Dosimetry* 127 (1-4), 266-269 (2007)
- Gröger, T., Schäffer, M., Pütz, M.\*, Ahrens, B.\*, Drew, K.\*, Eschner, M.\*, Zimmermann, R.: Application of two-dimensional gas chromatography combined with pixel-based chemometric processing for the chemical profiling of illicit drug samples. *J. Chromatogr. A* 1200 (1), 8-16 (2008)
- Gröger, T., Welthagen, W.\*, Mitschke, S.\*, Schaeffer, M.\*, Zimmermann, R.: Application of comprehensive two-dimensional gas chromatography mass spectrometry and different types of data analysis for the investigation of cigarette particulate matter. *J. Sep. Sci.* 31 (19), 3366-3374 (2008)

# Publication List 2008

31.12.2008  
(\* external author)

## Environmental Health

---

Gross, C.\*, Holler, E.\*, Stangl, S., Dickinson, A.\*, Pockley, A.G., Asea, A.A.\*, Mallappa, N.\*, Multhoff, G.: An Hsp70 peptide initiates NK cell killing of leukemic blasts after stem cell transplantation. *Leuk. Res.* 32 (4), 527-537 (2008)

Gualdrini, G.\*, Zankl, M. et al. (18 Coauthors): Analysis of the CONRAD computational problems expressing only stochastic uncertainties : Neutrons and protons. *Radiat. Prot. Dosimetry* 131 (1), 7-14 (2008)

Güttler, A., Wieser, A.: EPR-dosimetry with tooth enamel for low doses. *Radiat. Meas.* 43 (2-6), 819-822 (2008)

Halbach, S., Vogt, S.\*, Köhler, W.\*, Felgenhauer, N.\*, Welzl, G., Kremers, L.\*, Zilker, T.\*, Melchart, D.\*: Blood and urine mercury levels in adult amalgam patients of a randomized controlled trial : Interaction of Hg species in erythrocytes. *Environ. Res.* 107 (1), 69-78 (2008)

Heidenreich, W.F., Paretzke, H.G.: Promotion of initiated cells by radiation-induced cell inactivation. *Radiat. Res.* 170 (5), 613-617 (2008)

Heinrich, J., Koletzko, B.\*: Kindergesundheit und Kinderbetreuung bei unter 3-Jährigen. *Monatsschr. Kinderheilkd.* 156 (6), 562-568 (2008)

Hematulin, A., Sagan, D., Eckardt-Schupp, F., Moertl, S.: NBS1 is required for IGF-1 induced cellular proliferation through the Ras/Raf/MEK/ERK cascade. *Cell. Signal.* 20 (2), 2276-2285 (2008)

Hense, B.A., Gais, P., Jütting, U., Scherb, H., Rodenacker, K.: Use of fluorescence information for automated phytoplankton investigation by image analysis. *J. Plankton Res.* 30 (5), 587-606 (2008)

Hense, B.A., Jaser, W., Welzl, G., Pfister, G., Wöhler-Moorhoff, G.F., Schramm, K.-W.: Impact of 17alpha-ethinylestradiol on the plankton in freshwater microcosms-II: Responses of phytoplankton and the interrelation within the ecosystem. *Ecotoxicol. Environ. Saf.* 69 (3), 453-465 (2008)

Hense, B.A., Kuttler, C., Müller, J., Rothballer, M., Hartmann, A., Kreft, J.-U.\*: Efficiency sensing - was messen Autoinduktoren wirklich? *BIOspektrum (Heidelb.)* 14, 18-21 (2008)

Hielscher, R., Potts, D.\*, Prestin, J.\*, Schaeben, H.\*, Schmalz, M.\*: The Radon transform on SO(3): a Fourier slice theorem and numerical inversion. *Inverse Probl.* 24 (2): 025011, pp (2008)

Hielscher, R., Schaeben, H.\*: Multi-scale texture modeling. *Math. Geosci.* 40 (1), 63-82 (2008)

Hielscher, R., Schaeben, H.: A novel pole figure inversion method: specification of the MTEX algorithm. *J. Appl. Crystallogr.* 41 (6), 1024-1037 (2008)

Hofer, T.P.J., Frankenberger, M., Mages, J.\*, Lang, R.\*, Hoffmann, R.\*, Colige, A.\*, Ziegler-Heitbrock, L.: Tissue-specific induction of ADAMTS2 in monocytes and macrophages by glucocorticoids. *J. Mol. Med.* 86 (3), 323-332 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Höllriegel, V., Li, W.B., Greiter, M., Oeh, U.: Plasma clearance and urinary excretion after intravenous injection of stable <sup>84</sup>Sr in humans. *Radiat. Prot. Dosimetry* 127 (1-4), 144-147 (2007)

Horváth, I.\*, Multhoff, G., Sonnleitner, A.\*, Vígh, L.\*: Membrane-associated stress proteins : More than simply chaperones. *BBA - Biomembranes* 1778 (7-8), 1653-1664 (2008)

Hungershofer, K.\*, Zeromskiene, K.\*, Iinuma, Y.\*, Helas, G.\*, Trentmann, J.\*, Trautmann, T.\*, Parmar, R.S.\*, Wiedensohler, A.\*, Andrae, M.O.\*, Schmid, O.: Modelling the optical properties of fresh biomass burning aerosol produced in a smoke chamber: results from the EFEU campaign. *Atmos. Chem. Phys.* 8 (13), 3427-3439 (2008)

Jacob, P., Walsh, L., Eidemüller, M.: Modeling of cell inactivation and carcinogenesis in the atomic bomb survivors with applications to the mortality from all solid, stomach and liver cancer. *Radiat. Environ. Biophys.* 47 (3), 375-388 (2008)

Jacob, P.: Promoting action of radiation in the atomic bomb survivor cancer incidence data. *Radiat. Res.* 169, 602-604 (2008)

Jacquemin, B.\*, Müller, M. et al. (12 Coauthors): Common genetic polymorphisms and haplotypes of fibrinogen alpha, beta, and gamma chains affect fibrinogen levels and the response to proinflammatory stimulation in myocardial infarction survivors : the AIRGENE study. *J. Am. Coll. Cardiol.* 52 (11), 941-952 (2008)

Jacquemin, B.\*, Sunyer, J.\*, Forsberg, B.\*, Aguilera, I.\*, Briggs, D.\*, Götschi, T.\*, Heinrich, J., Torén, K.\*, Vienneau, D.\*, Künzli, N.\*: Association between annoyance and individuals' values of nitrogen dioxide in a European setting. *J. Epidemiol. Community Health* 62 (5):e12, 1-6 (2008)

Jakob, T. et al. (16 Coauthors): Novel mouse mutants with primary cellular immunodeficiencies generated by genome-wide mutagenesis. *J. Allergy Clin. Immunol.* 121 (1), 179-184 (2008)

Kalali, B.N.\*, Köllisch, G., Mages, J.\*, Müller, T.\*, Bauer, S.\*, Wagner, H.\*, Ring, J.\*, Lang, R.\*, Mempel, M.\*, Ollert, M\*: Double-stranded RNA induces an antiviral defense status in epidermal keratinocytes through TLR3-, PKR-, and MDA5/RIG-I-mediated differential signaling. *J. Immunol.* 181 (4), 2694-2704 (2008)

Karinda, F.L., Haider, B., Rühm, W.: A new electronic personal exposure meter for radon gas. *Radiat. Meas.* 43 (2-6), 1170-1174 (2008)

Karrasch, S., Holz, C.\*, Jörres, R.A.\*: Aging and induced senescence as factors in the pathogenesis of lung emphysema. *Respir. Med.* 102 (9), 1215-1230 (2008)

Keck, L., Hoeschen, C., Oeh, U.: Effects of carbon dioxide in breath gas on proton transfer reaction-mass spectrometry (PTR-MS) measurements. *Int. J. Mass Spectrom.* 270 (3), 156-165 (2008)

Kerzl, R.\*, Eberlein, B. et al. (11 Coauthors): Parallel occurrence of Erdheim-Chester disease and eosinophilic granuloma in the same patient. *J. Eur. Acad. Dermatol. Venereol.* DOI:10.1111/j.1468-3083.2008.02810.x (2008)

Kerzl, R.\*, Mempel, M., Ring, J.\*: Allergen-specific immunotherapy in food anaphylaxis. *WAO J.* 1, 47-50 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

- Kessenbrock, K.\*, Ring, J. et al. (10 Coauthors): Proteinase 3 and neutrophil elastase enhance inflammation in mice by inactivating antiinflammatory progranulin. *J. Clin. Invest.* 118 (7), 2438-2447 (2008)
- Khuseynova, N.\*, Greven, S., Rückerl, R., Trischler, G.\*, Löwel, H., Peters, A., König, W.\*: Variability of serial lipoprotein-associated phospholipase A2 measurements in post myocardial infarction patients : results from the AIRGENE Study Center Augsburg. *Clin. Chem.* 54 (1), 124-130 (2008)
- Koletzko, B.\*, Demmelmair, H.\*, Schaeffer, L.\*, Illig, T., Heinrich, J.: Genetically determined variation in polyunsaturated fatty acid metabolism may result in different dietary requirements. *Nestle Nutr. Workshop Ser. Pediatr. Program.* 62, 35-49 (2008)
- Kollerits, B.\*, Heinrich, J., Pichler, M.\*, Rantner, B.\*, Klein-Weigel, P.\*, Wölke, G., Brasche, S.\*, Strube, G.\*, Kronenberg, F.\*: Intermittent claudication in the Erfurt Male Cohort (ERFORT) Study: its determinants and the impact on mortality. A population-based prospective cohort study with 30 years of follow-up. *Atherosclerosis* 198 (1), 214-222 (2008)
- Kolz, M. et al. (12 Coauthors): DNA variants, plasma levels and variability of C-reactive protein in myocardial infarction survivors : Results from the AIRGENE study. *Eur. Heart J.* 29 (10), 1250-1258 (2008)
- Kompauer, I., Demmelmair, H.\*, Koletzko, B.\*, Bolte, G.\*, Linseisen, J.\*, Heinrich, J.: Association of fatty acids in serum phospholipids with lung function and bronchial hyperresponsiveness in adults. *Eur. J. Epidemiol.* 23 (3), 175-190 (2008)
- Kompauer, I., Heinrich, J., Wolfram, G.\*, Linseisen, J.\*: Association of carotenoids, tocopherols and vitamin C in plasma with allergic rhinitis and allergic sensitization in adults. *Allergo J.* 15, 133-135 (2006)
- Kraetzel, K.\*, Stoelcker, B.\*, Eissner, G.\*, Multhoff, G., Pfeifer, M.\*, Holler, E.\*, Schulz, C.\*: NKG2D-dependent effector function of bronchial epithelium activated alloreactive T cells. *Eur. Respir. J.* 32 (3), 1-8 (2008)
- Krauss-Etschmann, S. et al. (12 Coauthors): Decreased cord blood IL-4, IL-13, and CCR4 and increased TGF-beta levels after fish oil supplementation of pregnant women. *J. Allergy Clin. Immunol.* 121 (2), 464-470 (2008)
- Kümmel, D.\*, Oeckinghaus, A., Wang, C.\*, Krappmann, D., Heinemann, U.\*: Distinct isocomplexes of the TRAPP trafficking factor coexist inside human cells. *FEBS Lett.* 582 (27), 3729-3733 (2008)
- Lanki, T.\*, Hoek, G.\*, Timonen, K. L.\*, Peters, A., Tiittanen, P.\*, Vanninen, E.\*, Pekkanen, J.\*: Hourly variation in fine particle exposure is associated with transiently increased risk of ST segment depression. *Occup. Environ. Med.* 65 (11), 782-786 (2008)
- Lasser, R., Obermaier, J.: A new characterization of ultraspherical polynomials. *Proc. Amer. Math. Soc.* 136 (7), 2493-2498 (2008)
- Leuthold, G., Mares, V., Rühm, W., Weitzenegger, E., Paretzke, H.G.: Long-term measurements of cosmic ray neutrons by means of a Bonner spectrometer at mountain altitudes - first results. *Radiat. Prot. Dosimetry* 126 (1-4), 506-511 (2007)
- Li, W.B., Gerstmann, U., Giussani, A.\*, Oeh, U., Paretzke, H.G.: Internal dose assessment of (210)Po using biokinetic modeling and urinary excretion measurement. *Radiat. Environ. Biophys.* 47 (1), 101-110 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Li, W.B., Höllriegl, V., Roth, P., Oeh, U.: Influence of human biokinetics of strontium on internal ingestion dose of <sup>90</sup>Sr and absorbed dose of <sup>89</sup>Sr to organs and metastases. *Radiat. Environ. Biophys.* 47 (2), 225-239 (2008)

Li, W.B., Oeh, U., Paretzke, H.G.: Comparisons of <sup>239</sup>Pu inhalation doses calculated with ICRP 67 and proposed systemic models. *Radiat. Prot. Dosimetry* 127 (1-4), 148-152 (2007)

Li, W.B., Tschiersch, J., Oeh, U., Hoeschen, C.: Lung Dosimetry of Inhaled Thoron Decay Products. 12th International Congress of the International Radiation Protection Association, CD-ROM (2008)

Li, W.B., Wahl, W., Oeh, U., Höllriegl, V., Roth, P.: Biokinetic modelling of natural thorium in humans by ingestion. *Radiat. Prot. Dosimetry* 125 (1-4), 500-505 (2007)

Little, M.P.\* , Heidenreich, W.F., Moolgavkar, S.H.\* , Schöllnberger, H.\* , Thomas, D.C.\* : Systems biological and mechanistic modelling of radiation-induced cancer. *Radiat. Environ. Biophys.* 47 (1), 39-47 (2008)

Lopez, M.A.\* , Giussani, A. et al. (33 Coauthors): Internal dosimetry : Towards harmonisation and coordination of research. *Radiat. Prot. Dosimetry* 131 (1), 28-33 (2008)

Lopez, M.A.\* , Oeh, U. et al. (37 Coauthors): Coordination of research on internal dosimetry in Europe: the CONRAD project. *Radiat. Prot. Dosimetry* 127 (1-4), 311-316 (2007)

Maier, K.L. et al. (15 Coauthors): Health effects of ambient particulate matter--biological mechanisms and inflammatory responses to in vitro and in vivo particle exposures. *Inhal. Toxicol.* 20 (3), 319-337 (2008)

Manti, L.\* , Braselmann, H., Calabrese, M.L.\* , Massa, R.\* , Pugliese, M.\* , Scampoli, P.\* , Sicignano, G.\* , Grossi, G.\* : Effects of modulated microwave radiation at cellular telephone frequency (1.95 GHz) on X-Ray-induced chromosome aberrations in human lymphocytes in vitro. *Radiat. Res.* 169 (5), 575-583 (2008)

Mares, V., Leuthold, G.: Altitude-dependent dose conversion coefficients in EPCARD. *Radiat. Prot. Dosimetry* 126 (1-4), 581-584 (2007)

Mascalzoni, D.\* , Hicks, A.\* , Pramstaller, P.\* , Wjst, M.: Informed consent in the genomics era. *PLoS Med.* 5 (9):e192, 1-4 (2008)

Matiasek, K.\* , Gais, P., Rodenacker, K., Jütting, U., Tanck, J.J.\* , Schmahl, W.\* : Stereological characteristics of the equine accessory nerve. *Anat. Histol. Embryol.* 37 (3), 205-213 (2008)

Mehmetli, E.\* , Özgür, D.\* , Tiris, M.\* , Kiran, N. C.\* , Matuschek, G.: Thermolysis Product Distribution of Solid Waste Obtained From Olive Oil Production. *CLEAN - Soil, Air, Water* 36 (3), 315-319 (2008)

Melchart, D.\* , Halbach, S. et al. (10 Coauthors): Treatment of health complaints attributed to amalgam. *J. Dent. Res.* 87 (4), 349-353 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Melchart, D.\*, Köhler, W.\*, Linde, K.\*, Zilker, T.\*, Kremers, L.\*, Saller, R.\*, Halbach, S.: Biomonitoring of mercury in patients with complaints attributed to dental amalgam, healthy amalgam bearers, and amalgam-free subjects : a diagnostic study. *Clin. Toxicol. (Phila)* 46 (2), 133-140 (2008)

Menzler, S.\*, Piller, G.\*, Gruson, M.\*, Schaffrath-Rosario, A., Wichmann, H.-E., Kreienbrock, L.\*: Population attributable fraction for lung cancer due to residential radon in Switzerland and Germany. *Health Phys.* 95 (2), 179-189 (2008)

Moerth, C. et al. (21 Coauthors): Evaluation of polymerase chain reaction methods for detection of murine *Helicobacter* in nine diagnostic laboratories. *Lab Anim. (NY)* 37 (11), 521-527 (2008)

Moertl, S., Karras, G.I.\*, Wismüller, T., Ahne, F., Eckardt-Schupp, F.: Regulation of double-stranded DNA gap repair by the RAD6 pathway. *DNA Repair (Amst.)* 7 (11), 1893-1906 (2008)

Möller, W., Felten, K., Sommerer, K.\*, Scheuch, G.\*, Meyer, G.\*, Meyer, P., Häussinger, K.\*, Kreyling, W.G.: Deposition, retention, and translocation of ultrafine particles from the central airways and lung periphery. *Am. J. Respir. Crit. Care Med.* 177 (4), 426-432 (2008)

Möller, W., Meyer, G.\*, Kreyling, W.G.: Advances in lung imaging techniques for the treatment of respiratory disease. *Drug Discov. Today* 5 (2), 87-92 (2008)

Möller, W., Meyer, G.\*, Seitz, J.\*, Kreyling, W.G.: Corrections of Planar Gamma Camera Dose Assessment of <sup>99m</sup>Tc Radiolabelled Aerosol Particles Targeted to Central Human Airways. *Respiratory Drug Delivery 2008*, Dalby, R.N. et al. [Eds.], 549-552 (2008)

Möller, W., Schuschnig, U.\*, Meyer, G.\*, Mentzel, H.\*, Keller M.\*: Human Nasal DTPA Clearance and Systemic Absorption after Pulsating Aerosol Delivery using the Pari Sinus. *Respiratory Drug Delivery 2008*, Dalby, R.N. et al. [Eds.], 553-556 (2008)

Möller, W., Schuschnig, U.\*, Meyer, G.\*, Mentzel, H.\*, Keller, M.\*: Ventilation and drug delivery to the paranasal sinuses : Studies in a nasal cast using pulsating airflow. *Rhinology* 46 (3), 213-220 (2008)

Morgenstern, V. et al. (13 Coauthors): Atopic diseases, allergic sensitization, and exposure to traffic-related air pollution in children. *Am. J. Respir. Crit. Care Med.* 177 (12), 1331-1337 (2008)

Müller-Hermelink, N.\*, Mailhammer, R. et al. (16 Coauthors): TNFR1 signaling and IFN-gamma signaling determine whether T cells induce tumor dormancy or promote multistage carcinogenesis. *Cancer Cell* 13 (6), 507-518 (2008)

Nischwitz, V., Berthele, A.\*, Michalke, B.: Speciation analysis of selected metals and determination of their total contents in paired serum and cerebrospinal fluid samples: An approach to investigate the permeability of the human blood-cerebrospinal fluid-barrier. *Anal. Chim. Acta* 627 (2), 258-269 (2008)

Noßke, D.\*, Birchall, A.\*, Blanchardon, E.\*, Breustedt, B.\*, Giussani, A., Luciani, A.\*, Oeh, U., Lopez, M.A.\*: Development, implementation and quality assurance of biokinetic models within CONRAD. *Radiat. Prot. Dosimetry* 131 (1), 40-45 (2008)

Noßke, D.\*, Giussani, A. et al. (11 Coauthors): The work of the CONRAD task group 5.2: research studies on biokinetic models. *Radiat. Prot. Dosimetry* 127 (1-4), 93-96 (2007)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Nöth, U., Kotajima, F.\* , Deichmann, R.\* , Turner, R.\* , Corfield, D.R.\*: Mapping of the cerebral vascular response to hypoxia and hypercapnia using quantitative perfusion MRI at 3 T. *NMR Biomed.* 21 (5), 464-472 (2008)

Obermaier, J., Szwarc, R.\*: Orthogonal polynomials of discrete variable and boundedness of dirichlet kernel. *Constr. Approx.* 27 (1), 1-13 (2008)

Oeh, U. et al. (12 Coauthors): Implementation of bioassay methods to improve assessment of incorporated radionuclides. *Radiat. Prot. Dosimetry* 125 (1-4), 444-448 (2007)

Oeh, U., Li, W.B., Höllriegl, V., Giussani, A., Schramel, P., Roth, P., Paretzke, H.G.: Daily uranium excretion in German peacekeeping personnel serving on the Balkans compared to ICRP model prediction. *Radiat. Prot. Dosimetry* 127 (1-4), 329-332 (2007)

Petoussi-Henss, N., Bolch, W.E.\* , Zankl, M., Sgouros, G.\* , Wessels, B.\*: Patient-specific scaling of reference S-values for cross-organ radionuclide S-values : What is appropriate? *Radiat. Prot. Dosimetry* 127 (1-4), 192-196 (2007)

Petoussi-Henss, N., Li, W.B., Zankl, M., Eckerman, K.F.\*: SEECAL utilizing voxel-based SAFs. *Radiat. Prot. Dosimetry* 127 (1-4), 214-219 (2007)

Pfab, F., Valet, M.\* , Tölle, T.\* , Behrendt, H., Ring, J.\* , Darsow, U.: Recent progress in unraveling central nervous system processing of itch sensation. *WAO J.* 10, 168-173 (2008)

Picano, E.\* , Vano, E.\* , Semelka, R.\* , Regulla, D.: The American College of Radiology white paper on radiation dose in medicine: deep impact on the practice of cardiovascular imaging. *Cardiovasc. Ultrasound* 5:37, 1-7 (2007)

Pitz, M., Birmili, W.\* , Schmid, O., Peters, A., Wichmann, H.-E., Cyrys, J.: Quality control and quality assurance for particle size distribution measurements at an urban monitoring station in Augsburg, Germany. *J. Environ. Monit.* 10 (9), 1017-1024 (2008)

Pitz, M., Schmid, O., Heinrich, J., Birmili, W.\* , Maguhn, J., Zimmermann, R., Wichmann, H.-E., Peters, A., Cyrys, J.: Seasonal and diurnal variation of PM<sub>2.5</sub> apparent particle density in urban air in Augsburg, Germany. *Environ. Sci. Technol.* 42 (14), 5087-5093 (2008)

Pockley, A.G.\* , Multhoff, G.: Cell stress proteins in extracellular fluids : friend or foe ? *Novartis Found. Symp.* 291, 86-100 (2008)

Prigarin, S.M.\* , Hahn, K., Winkler, G.: Comparative analysis of two numerical methods to measure Hausdorff dimension of the fractional Brownian motion. *Numer. Anal. Appl.* 1 (2), 163-178 (2008)

Radon, K.\* , Schulze, A. et al. (11 Coauthors): Occupation and adult onset of rhinitis in the general population. *Occup. Environ. Med.* 65 (1), 38-43 (2008)

Rauter, I.\* , Huss-Marp, J. et al. (16 Coauthors): Mast cell-derived proteases control allergic inflammation through cleavage of IgE. *J. Allergy Clin. Immunol.* 121 (1), 197-202 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Regulla, D., Harder, D.\*: Strahlenexposition des Patienten in der Radiologie und Fragen zur Dosis-Risiko-Relation bei niedrigen Dosen. Scientific Reports: J. Univ. Appl. Sci. Mittweida Nr. 3 (Medizintechnik), 1-4 (2007)

Rudnik, E.\*, Milanov, N., Matuschek, G., Kettrup, A.: Ecotoxicity of biocomposites based on renewable feedstock - preliminary studies. Chemosphere 70 (2), 337-340 (2007)

Rühm, W., Walsh, L.: Current risk estimates based on the A-bomb survivors data - A discussion in terms of the ICRP recommendations on the neutron weighting factor. Radiat. Prot. Dosimetry 126 (1), 423-431 (2007)

Rzehak, P., Schoefer, Y., Wichmann, H.E., Heinrich, J.: A prospective study on the association between hay fever among children and incidence of asthma in East Germany. Eur. J. Epidemiol. 23 (1), 17-22 (2008)

Saberi, A.\*, Nakahara, M.\*, Sale, J.E.\*, Kikuchi, K.\*, Arakawa, H., Buerstedde, J.M., Yamamoto, K.\*, Takeda, S.\*, Sonoda, E.\*: The 9-1-1 DNA clamp is required for immunoglobulin gene conversion.. Mol. Cell. Biol. 28 (19), 6113-6122 (2008)

Sagan, D., Eckardt-Schupp, F., Eicholtz-Wirth, H.: Reduced expression of SRC family kinases decreases PI3K activity in NBS1-/- lymphoblasts. Biochem. Biophys. Res. Commun. 377 (1), 181-186 (2008)

Saraji-Bozorgzad, M., Geissler, R., Streibel, T., Mühlberger, F., Sklorz, M., Kaisersberger, E.\*, Denner, T.\*, Zimmermann, R.: Thermogravimetry coupled to single photon ionization quadrupole mass spectrometry : A tool to investigate the chemical signature of thermal decomposition of polymeric materials. Anal. Chem. 80 (9), 3393-3403 (2008)

Sarioglu, H., Brandner, S., Habeger, M., Jacobsen, C., Lichtmannegger, J., Wormke, M., Andrae, U.: Analysis of 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced proteome changes in 5L rat hepatoma cells reveals novel targets of dioxin action including the mitochondrial apoptosis regulator VDAC2. Mol. Cell. Proteomics 7 (2), 394-410 (2008)

Schaefer, K.-L.\*, Nathrath, M. et al. (18 Coauthors): Microarray analysis of Ewing's sarcoma family of tumours reveals characteristic gene expression signatures associated with metastasis and resistance to chemotherapy. Eur. J. Cancer 44 (5), 699-709 (2008)

Scherthan, H.\*, Hieber, L., Braselmann, H., Meineke, V.\*, Zitzelsberger, H.: Accumulation of DSBs in gamma-H2AX domains fuel chromosomal aberrations. Biochem. Biophys. Res. Commun. 371 (4), 694-697 (2008)

Scheuch, G., Kohlhäufel, M.\*, Möller, W., Brand, P., Meyer, T., Häussinger, K.\*, Sommerer, K., Heyder, J.: Particle clearance from the airways of subjects with bronchial hyperresponsiveness and with chronic obstructive pulmonary disease. Exp. Lung Res. 34(9), 531-549 (2008)

Schlattl, H., Hoeschen, C.: The built-in capacity of CT D'OR's static ring for scatter correction. Proceedings of SPIE ; Vol. 6913, Medical Imaging 2008: Physics of Medical Imaging, Hsieh, J. ; Samei, E. [Eds.], S. 691352 (2008)

Schlicht, R., Winkler, G.: A delay stochastic process with applications in molecular biology. J. Math. Biol. 57 (5), 613-648 (2008)

Schmid, D.: A trade-off principle in connection with the approximation by positive definite kernels. Approximation Theory XII: San Antonio 2007, Neamtu, M.; Schumaker, L.L. [Eds.], Brentwood, TN : Nashboro Press, 348-359 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Schmid, D.: Marcinkiewicz-Zygmund inequalities and polynomial approximation from scattered data on SO(3). *Numer. Funct. Anal. Optim.* 29 (7-8), 855-882 (2008)

Schmid, O., Bolle, I., Harder, V., Karg, E., Takenaka, S., Schulz, H., Ferron, G.A.: Model for the deposition of aerosol particles in the respiratory tract of the rat. I. Nonhygroscopic particle deposition. *J. Aerosol Med. Pulm. Drug Deliv.* 21 (3), 291-307 (2008)

Schmitzer, C.\*, Höllriegel, V. et al. (12 Coauthors): Improvements in routine internal monitoring— an overview of the IDEA project. *Radiat. Prot. Dosimetry* 125 (1-4), 472-476 (2007)

Schneider, A. et al. (10 Coauthors): Air temperature and inflammatory responses in myocardial infarction survivors. *Epidemiology* 19 (3), 391-400 (2008)

Schneider, A. et al. (12 Coauthors): Endothelial Dysfunction: Associations with Exposure to Ambient Fine Particles in Diabetic Individuals. *Environ. Health Perspect.* 116 (12), 1666-1674 (2008)

Schneider, A., Schuh, A.\*, Maetzel, F.-K.\*, Rückerl, R., Breitner, S., Peters, A.: Weather-induced ischemia and arrhythmia in patients undergoing cardiac rehabilitation: another difference between men and women. *Int. J. Biometeorol.* 52 (6), 535-547 (2008)

Schneider, K., Kuznetsov, V.K.\*, Sanzharova, N.I.\*, Kanter, U., Telikh, K.M.\*, Khlopuk, M.S.\*: Soil-to-plant and soil-to-grain transfer of (137)Cs in field-grown maize hybrids during two contrasting seasons : Assessing the phenotypic variability and its genetic component. *Radiat. Environ. Biophys.* 47 (2), 241-252 (2008)

Schnopp, C.\*, Grosch, J.\*, Ring, J.\*, Ollert, M.\*, Mempel, M.: Microbial allergen-specific IgE is not suitable to identify the intrinsic form of atopic eczema in children. *J. Allergy Clin. Immunol.* 121 (1), 267-268 (2008)

Schober, W., Behrendt, H.: Einfluss von Umweltfaktoren auf die Allergieentstehung. *HNO* 56 (8), 752-758 (2008)

Schoefer, Y., Schäfer, T.\*, Meisinger, C., Wichmann, H.-E., Heinrich, J., KORA study group: Predictivity of allergic sensitization (RAST) for the onset of allergic diseases in adults. *Allergy* 63 (1), 81-86 (2008)

Schoefer, Y., Zutavern, A.\*, Brockow, I.\*, Schäfer, T.\*, Krämer, U.\*, Schaaf, B.\*, Herbarth, O.\*, von Berg, A.\*, Wichmann, H.-E., Heinrich, J., LISA study group: Health risks of early swimming pool attendance. *Int. J. Hyg. Environ. Health* 211 (3-4), 367-373 (2008)

Schramm, E., Mühlberger, F., Mitschke, S., Reichardt, G.\*, Schulte-Ladbeck, R.\*, Pütz, M.\*, Zimmermann, R.: Determination of the ionization potentials of security-relevant substances with single photon ionization mass spectrometry using synchrotron radiation. *Appl. Spectrosc.* 62 (2), 238-247 (2008)

Schulze, A., van Strien, R.T.\*, Praml, G.\*, Nowak, D.\*, Radon, K.\*: Characterisation of asthma among adults with and without childhood farm contact. *Eur. Respir. J.* 29 (6), 1169-1173 (2007)

Seidenbusch, M.C.\*, Regulla, D., Schneider, K.\*: Zur Strahlenexposition von Kindern in der pädiatrischen Radiologie. Teil 2: Der PÄDOS-Algorithmus zur rechnergestützten Dosisrekonstruktion in der Kinderradiologie am Beispiel der Röntgenuntersuchung des Schädels. *Rofo* 180 (6), 522-539 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Semmler-Behnke, M., Kreyling, W.G., Lipka, J.\*, Fertsch, S., Wenk, A., Takenaka, S., Schmid, G.\*, Brandau, W.\*: Biodistribution of 1.4- and 18nm Gold Particles in Rats. *Small* 4 (12), 2108-2111 (2008)

Shaaban, R.\*, Heinrich, J. et al. (13 Coauthors): Rhinitis and onset of asthma : a longitudinal population-based study. *Lancet* 372 (9643), 1049-1057 (2008)

Shang, B.\*, Tschiersch, J., Cui, H.\*, Xia, Y.\*: Radon survey in dwellings of Gansu, China : the influence of thoron and an attempt for correction. *Radiat. Environ. Biophys.* 47 (3), 367-373 (2008)

Sigurdson, A.J.\*, Bauchinger, M. et al. (31 Coauthors): International study of factors affecting human chromosome translocations. *Mutat. Res.* 652 (2), 112-121 (2008)

Slama, R. et al. (15 Coauthors): Meeting report : Atmospheric pollution and human reproduction. *Environ. Health Perspect.* 116 (6), 791-798 (2008)

Smith, J.S.\*, Bruske-Hohlfeld, I. et al. (13 Coauthors): Lack of association between serum antibodies of Chlamydia pneumoniae infection and the risk of lung cancer.. *Int. J. Cancer* 123(10), 2469-2471 (2008)

Stangl, S.\*, Gross, C.\*, Asea, A.A.\*, Pockley, A.G.\*, Multhoff, G.: Influence of Hsp70 and HLA-E on the killing of leukemic blasts by cytokine/Hsp70 peptide-activated human natural killer (NK) cells. *Cell Stress Chaperones* 13 (2), 221-230 (2008)

Steinborn, M.\*, Wörtler, K.\*, Nathrath, M., Schöniger, M.\*, Hahn, H., Rummeny, E.J.\*: Whole-body MRI in children with langerhans cell histiocytosis for the evaluation of the skeletal system. *Rofo* 180 (7), 646-653 (2008)

Steininger, S., Gomez-Paramio, I., Braselmann, H., Fellerhoff, B., Dittberner, D., Eckardt-Schupp, F., Moertl, S.: Xrs2 facilitates crossovers during DNA double-strand gap repair in yeast. *DNA Repair (Amst.)* 7 (9), 1563-1577 (2008)

Steppich, D.M.\*, Angerer, J.I.\*, Sriharan, K.\*, Schneider, S.W.\*, Thalhammer, S., Wixforth, A.\*, Alexander-Katz, A.\*, Schneider, M.F.\*: Relaxation of ultralarge VWF bundles in a microfluidic-AFM hybrid reactor. *Biochem. Biophys. Res. Commun.* 369 (2), 507-512 (2008)

Steppich, D.M.\*, Thalhammer, S., Wixforth, A.\*: Nanomechanics and Microfluidics as a Tool for Unraveling Blood Clotting Disease. *NanoScience and Technology, Applied Scanning Probe Methods XIII: Biomimetics and Industrial Applications*, Bhushan B.; Fuchs H. [Eds.], Heidelberg : Springer, 105-135 (2008)

Summer, K.H., Halbach, S., Kappus, H.\*: Toxicity of selected chemicals : Metals. *Toxicology and Risk Assessment: A Comprehensive Introduction*, Greim, H.; Snyder, R. [Eds.], New York [u.a.] : John Wiley & Sons, 534-564 (2008)

Sunyer, J.\*, Pistelli, R.\*, Plana, E.\*, Andreani, M.\*, Baldari, F.\*, Kolz, M., Koenig, W.\*, Pekkanen, J.\*, Peters, A., Forastiere, F.\*: Systemic inflammation, genetic susceptibility and lung function. *Eur. Respir. J.* 32 (1), 92-97 (2008)

Svanes, C.\*, Wjst, M. et al. (11 Coauthors): Long-term reliability in reporting of childhood pets by adults interviewed twice, 9 years apart. Results from the European Community Respiratory Health Survey I and II. *Indoor Air* 18 (2), 84-92 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Tapio, S. et al. (16 Coauthors): Progress in updating the European Radiobiology Archives. *Int. J. Radiat. Biol.* 84 (11), 930-936 (2008)

Thiessen, K.M.\*, Kaiser, J.C. et al. (16 Coauthors): Improvement of modelling capabilities for assessing urban contamination : the EMRAS Urban Remediation Working Group. *Appl. Radiat. Isot.* 66 (11), 1741-1744 (2008)

Tian, F., Hosseinkhani, H.\*, Hosseinkhani, M.\*, Khademhosseini, A.\*, Yokoyama, Y.\*, Estrada, G.G.\*, Kobayashi, H.\*: Quantitative analysis of cell adhesion on aligned micro- and nanofibers. *J. Biomed. Mater. Res. A* 84 (2), 291-299 (2008)

Tian, F., Prina-Mello, A.\*, Estrada, G., Beyerle, A., Möller, W., Schulz, H., Kreyling, W., Stoeger, T.: A novel assay for the quantification of internalized nanoparticles in macrophages. *Nanotoxicology* 2(4), 232-242 (2008)

Traidl-Hoffmann, C., Ring, J.\*: Is there an in vitro test for type IV allergy discriminating between sensitization and allergic disease? *Clin. Exp. Allergy* 38 (9), 1412-1415 (2008)

Tschiersch, J., Li, W.B., Meisenberg, O.: Increased indoor thoron concentrations and implication to inhalation dosimetry. *Radiat. Prot. Dosimetry* 127 (1-4), 73-78 (2007)

Ulanovsky, A., Pröhl, G., Gómez-Ros, J.M.\*: Methods for calculating dose conversion coefficients for terrestrial and aquatic biota. *J. Environ. Radioact.* 99 (9), 1440-1448 (2008)

Ulanovsky, A., Pröhl, G.: Tables of dose conversion coefficients for estimating internal and external radiation exposures to terrestrial and aquatic biota. *Radiat. Environ. Biophys.* 47 (2), 195-203 (2008)

Unger, K. et al. (10 Coauthors): Array CGH demonstrates characteristic aberration signatures in human papillary thyroid carcinomas governed by RET/PTC. *Oncogene* 27 (33), 4592-4602 (2008)

Unterberger, C. et al. (12 Coauthors): Role of STAT3 in glucocorticoid-induced expression of the human IL-10 gene. *Mol. Immunol.* 45 (11), 3230-3237 (2008)

Upadhyay, S. et al. (12 Coauthors): Exposure to ultrafine carbon particles at levels below detectable pulmonary inflammation affects cardiovascular performance in spontaneously hypertensive rats. *Part. Fibre Toxicol.* 5 (19) (2008)

Upadhyay, S., Carstens, J., Klein, D.\*, Faller, T.H., Halbach, S., Kirchinger, W., Kessler, W., Csanády, G.A., Filser J.G.: Inhalation and epidermal exposure of volunteers to ethylene glycol: Kinetics of absorption, urinary excretion, and metabolism to glycolate and oxalate. *Toxicol. Lett.* 178 (2), 131-141 (2008)

Valet, M.\*, Pfab, F., Sprenger, T.\*, Wöller, A.\*, Zimmer, C.\*, Behrendt, H., Ring, J.\*, Darsow, U., Tölle, T.R.\*: Cerebral processing of histamine-induced itch using short-term alternating temperature modulation - an fMRI study. *J. Invest. Dermatol.* 128 (2), 426-433 (2008)

Vega, V.L.\*, Rodríguez-Silva, M.\*, Frey, T.\*, Gehrmann, M., Diaz, J.C.\*, Steinem, C.\*, Multhoff, G., Arispe, N.\*, De Maio, A.\*: Hsp70 translocates into the plasma membrane after stress and is released into the extracellular environment in a membrane-associated form that activates macrophages. *J. Immunol.* 180 (6), 4299-4307 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Veronese, I.\*, Fattibene, P.\*, Cantone, M.C.\*, de Coste, V.\*, Giussani, A., Onori, S.\*, Shishkina, E.A.\*: EPR and TL-based beta dosimetry measurements in various tooth components contaminated by <sup>90</sup>Sr. *Radiat. Meas.* 43 (2-6), 813-818 (2008)

Veronese, I.\*, Göksu, H.Y., Schwenk, P.\*, Herzig, F.\*: Thermoluminescence dating of a mikveh in Ichenhausen, Germany. *J. Environ. Radioact.* 99 (4), 621-630 (2008)

Viana, M.\*, Heinrich, J. et al. (10 Coauthors): Source apportionment of ambient PM<sub>2.5</sub> at five spanish centres of the european community respiratory health survey (ECRHS II). *Atmos. Environ.* 41 (7), 1395-1406 (2007)

von Berg, A.\*, Brockow, I. et al. (13 Coauthors): Preventive effect of hydrolyzed infant formulas persists until age 6 years: long-term results from the German Infant Nutritional Intervention Study (GINI). *J. Allergy Clin. Immunol.* 121 (6), 1442-1447 (2008)

von Klot, S., Mittleman, M.A.\*, Dockery, D.W.\*, Heier, M., Meisinger, C., Hörmann, A., Wichmann, H.-E., Peters, A.: Intensity of physical exertion and triggering of myocardial infarction : A case-crossover study. *Eur. Heart J.* 29 (15), 1881-1888 (2008)

von Lüttichau, I.\*, Nathrath, M. et al. (10 Coauthors): A complex pattern of chemokine receptor expression is seen in osteosarcoma. *BMC Cancer* 8:23, 1-10 (2008)

Wegener, E., Krappmann, D.: Dynamic protein complexes regulate NF-κB signaling. *Handbook of Experimental Pharmacology* ; Vol. 186, Protein-Protein Interactions as New Drug Targets, Klusmann, E. ; Scott, J. [Eds.], Berlin : Springer, 237-259 (2008)

Weidinger, S. et al. (13 Coauthors): Filaggrin mutations, atopic eczema, hay fever, and asthma in children. *J. Allergy Clin. Immunol.* 121 (5), 1203-1209 (2008)

Weidinger, S. et al. (29 Coauthors): Analysis of the individual and aggregate genetic contributions of previously identified serine peptidase inhibitor Kazal type 5 (SPINK5), kallikrein-related peptidase 7 (KLK7), and filaggrin (FLG) polymorphisms to eczema risk. *J. Allergy Clin. Immunol.* 122 (3), 560-568 (2008)

Weinmayr, G.\*, Rzehak, P. et al. (11 Coauthors): International variation in prevalence of rhinitis and its relationship with sensitisation to perennial and seasonal allergens.. *Eur. Respir. J.* 32 (5), 1250-1261 (2008)

Weinmeister, P.\*, Lukowski, R.\*, Linder, S.\*, Traidl-Hoffmann, C., Hengst, L.\*, Hofmann, F.\*, Feil, R.\*: Cyclic guanosine monophosphate-dependent protein kinase I promotes adhesion of primary vascular smooth muscle cells. *Mol. Biol. Cell* 19 (10), 4434-4441 (2008)

Wershofen, H.\*, Bieringer, J.\*, Frenzel, S.\*, Kanisch, G.\*, Katzlberger, C.\*, Steinkopff, T\*, Tschiersch, J., Völkle, H.\*: An inter-laboratory comparison of low-level measurements in ground-level aerosol monitoring. *Appl. Radiat. Isot.* 66 (6-7), 737-741 (2008)

Wichmann, H.-E.: Schützen Umweltzonen unsere Gesundheit oder sind sie unwirksam? *Umweltmed. Forsch. Prax.* 13 (1), 7-10 (2008)

Wick, R.R., Nekolla, E.A.\*, Gaubitz, M.\*, Schulte, T.L.\*: Increased risk of myeloid leukaemia in patients with ankylosing spondylitis following treatment with radium-224. *Rheumatology* 47 (6), 855-859 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Environmental Health

---

Wielunski, M., Wahl, W., El-Faramawy, N., Rühm, W., Luszik-Bhadra, M.\*, Roos, H.\*: Intercomparison exercise with MeV neutrons using various electronic personal dosimeters. *Radiat. Meas.* 43 (2-6), 1063-1067 (2008)

Wieser, A., Fattibene, P.\*, Shiskina, E.A.\*, Ivanov, D.V.\*, de Coste, V.\*, Güttler, A., Onori, S.\*: Assessment of performance parameters for EPR dosimetry with tooth enamel. *Radiat. Meas.* 43 (2-6), 731-736 (2008)

Winkelmann, I.\*, Diehl, D.\*, Oesterle, D., Daniel, H.\*, Wenzel, U.\*: The suppression of aberrant crypt multiplicity in colonic tissue of 1,2-dimethylhydrazine-treated C57BL/6J mice by dietary flavone is associated with an increased expression of Krebs cycle enzymes. *Carcinogenesis* 28 (7), 1446-1454 (2007)

Wittich, O.\*, Kempe, A., Winkler, G., Liebscher, V.\*: Complexity penalized least squares estimators : Analytical results. *Math. Nachr.* 281 (4), 582-595 (2008)

Wjst, M., Lichtner, P., Meitinger, T., Grimbacher, B.\*: STAT3 single-nucleotide polymorphisms and STAT3 mutations associated with hyper-IgE syndrome are not responsible for increased serum IgE serum levels in asthma familie. *Eur. J. Hum. Genet.* DOI:10.1038/ejhg.2008.169 (2008)

Wjst, M.: Margarine : a supplement may be decisive. *Thorax* 63 (5), S. 474 (2008)

Wjst, M.: Allergy risk of vitamin D supplements has been described in various settings. *J. Allergy Clin. Immunol.* 121 (4), 1065-1066 (2008)

Wjst, M.: ORMDL3 - guilt by association? *Clin. Exp. Allergy* 38 (10), 1579-1581 (2008)

Woda, C., Fuchs, M.\*: On the applicability of the leading edge method to obtain equivalent doses in OSL dating and dosimetry. *Radiat. Meas.* 43 (1), 26-37 (2008)

Woide, D., Mayer, V., Thalhammer, S.: Non-contact manipulation of single cells. 11. International Conference on New Actuators and 5. International Exhibition on Smart Actuators and Drive Systems. Conference Proceedings, Borgmann, H. [Ed.], Bremen : HVG Hanseatische Veranstaltungs-GmbH, 79-85 (2008)

Woide, D., Schlentner, V., Neumaier, T., Wachtmeister, T., Paretzke, H.G., von Guttenberg, Z.\*, Wixforth, A.\*, Thalhammer, S.: Programmable cytogenetic submicrolitre lab-on-a-chip for molecular diagnostic applications. *Biodevices 2008. Proceedings of the first international conference on biomedical electronics and devices*, 265-271 (2008)

Ying, S.\*, Pettengill, M.\*, Latham, E.R.\*, Walch, A., Ojcius, D.M.\*, Häcker, G.\*: Premature apoptosis of Chlamydia-infected cells disrupts chlamydial development. *J. Infect. Dis.* 198 (10), 1536-1544 (2008)

Yue, W., Stölzel, M., Cyrus, J., Pitz, M., Heinrich, J., Kreyling, W.G., Wichmann, H.-E., Peters, A., Wang, S.\*, Hopke, P.K.\*: Source apportionment of ambient fine particle size distribution using positive matrix factorization in Erfurt, Germany. *Sci. Total Environ.* 398 (1-3), 133-144 (2008)

Zankl, M., Eckerman, K.F.\*, Bolch, W.E.\*: Voxel-based models representing the male and female ICRP reference adult--the skeleton. *Radiat. Prot. Dosimetry* 127 (1-4), 174-186 (2007)

# Publication List 2008

31.12.2008  
(\* external author)

## Environmental Health

---

Zankl, M., Schlattl, H., Becker, J., Petoussi-Henss, N., Hoeschen, C.: Voxel models representing the male and female ICRP reference adult: a dosimetric tool for medical imaging. Proceedings of SPIE ; Vol. 6913, Medical Imaging 2008: Physics of Medical Imaging, Hsieh, J. ; Samei, E. [Eds.], S. 69130X (2008)

Zankl, M.: State of the art of voxel phantom development. Uncertainty Assessment in Computational Dosimetry: A comparison of approaches, Gualdrini, G.; Ferrari, P. [Eds.], CD-ROM (2007)

Zeiser, S., Franz, U.\* , Wittich, O.\* , Liebscher, V.\* : Simulation of genetic networks modelled by piecewise deterministic Markov processes. IET Syst. Biol. 2 (3), 113-135 (2008)

Zeiser, S., Rivera, O., Kuttler, C., Hense, B., Lasser, R., Winkler, G.: Oscillations of Hes7 caused by negative autoregulation and ubiquitination. Comput. Biol. Chem. 32 (1), 48-52 (2008)

Zimmermann, R., Mühlberger, F., Fuhrer, K.\* , Gonin, M.\* , Welthagen, W.: An ultracompact photo-ionization time-of-flight mass spectrometer with a novel vacuum ultraviolet light source for on-line detection of organic trace compounds and as a detector for gas chromatography. J. Mater. Cycles Waste Manag. 10 (1), 24-31 (2008)

Zimmermann, R., Welthagen, W., Gröger, T.: Photo-ionisation mass spectrometry as detection method for gas chromatography. Optical selectivity and multidimensional comprehensive separations. J. Chromatogr. A 1184 (1-2), 296-308 (2008)

Zischka, H. et al. (11 Coauthors): Electrophoretic analysis of the mitochondrial outer membrane rupture induced by permeability transition. Anal. Chem. 80 (13), 5051-5058 (2008)

Zischka, H., Lichtmannegger, J., Jaegemann, N., Jennen, L., Hamöller, D., Huber, E., Walch, A., Summer, K.H., Göttlicher, M.: Isolation of highly pure rat liver mitochondria with the aid of zone-electrophoresis in a free flow device (ZE-FFE). Methods in Molecular Biology ; Vol. 424: 2D PAGE: Sample Preparation and Fractionation, Vol. 1, Posch, A. [Ed.], Totowa, NJ : Human Press, 333-348 (2008)

Zutavern, A. et al. (10 Coauthors): Timing of solid food introduction in relation to eczema, asthma, allergic rhinitis, and food and inhalant sensitization at the age of 6 years : Results from the prospective birth cohort study LISA. Pediatrics 121 (1), e44-e52 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Abe, K. et al. (10 Coauthors): Novel lymphocyte-independent mechanisms to initiate inflammatory arthritis via bone marrow-derived cells of Ali18 mutant mice. *Rheumatology* 47 (3), 292-300 (2008)

Ahting, U. et al. (14 Coauthors): Neurological phenotype and reduced lifespan in heterozygous Tim23 knockout mice, the first mouse model of defective mitochondrial import.. *Biochim. Biophys. Acta*  
DOI:10.1016/j.bbabi.2008.12.001 (2008)

Aigner, B.\*, Rathkolb, B.\*, Herbach, N.\*, Hrabé de Angelis, M., Wanke, R.\*, Wolf, E.\*: Diabetes models by screen for hyperglycemia in phenotype-driven ENU mouse mutagenesis projects. *Am. J. Physiol. Endocrinol. Metab.* 294 (2), 232-240 (2008)

Altmaier, E., Ramsay, S.L.\*, Graber, A.\*, Mewes, H.W., Weinberger, K.M.\*, Suhre, K.: Bioinformatics analysis of targeted metabolomics - uncovering old and new tales of diabetic mice under medication. *Endocrinology* 149 (7), 3478-3489 (2008)

Andersson, E.R.\*, Prakash, N., Cajanek, L.\*, Minina, E., Bryja, V.\*, Bryjova, L.\*, Yamaguchi, T.P.\*, Hall, A.C.\*, Wurst, W., Arenas, E.\*: Wnt5a regulates ventral midbrain morphogenesis and the development of A9-A10 dopaminergic cells in vivo. *PLoS ONE* 3 (10): e3517 (2008)

Antonov, A.V., Dietmann, S., Mewes, H.W.: Consecutive KEGG pathway models for the interpretation of high-throughput genomics data. German Conference on Bioinformatics, GCB 2008; Lecture Notes in Informatics (LNI) Proceedings, Beyer, A.; Schroeder, M. [Eds.], Bonn : Köllen Druck + Verlag GmbH, 1-9 (2008)

Antonov, A.V., Mewes, H.W.: Complex phylogenetic profiling reveals fundamental genotype-phenotype associations. *Comput. Biol. Chem.* 32 (6), 412-416 (2008)

Antonov, A.V., Schmidt, T.\*, Wang, Y., Mewes, H.W.: ProfCom : A web tool for profiling the complex functionality of gene groups identified from high-throughput data. *Nucleic Acids Res.* 36 (Web Server Issue), W347-W351 (2008)

Antonov, V.A., Dietmann, S., Mewes, H.W.: KEGG spider: interpretation of genomics data in the context of the global gene metabolic network.. *Genome Biol.* 9 (12), R 179 (2008)

Attia, S.M.\*, Badary, O.A.\*, Hamada, F.M.\*, Hrabé de Angelis, M., Adler, I.D.: The chemotherapeutic agents nocodazole and amsacrine cause meiotic delay and non-disjunction in spermatocytes of mice. *Mutat. Res.* 651 (1-2), 105-113 (2008)

Bauer, M., Szulc, J.\*, Meyer, M.\*, Jensen, C.H.\*, Terki, T.A.\*, Meixner, A., Kinkl, N., Gasser, T.\*, Aebischer, P.\*, Ueffing, M.: Delta-like 1 participates in the specification of ventral midbrain progenitor derived dopaminergic neurons. *J. Neurochem.* 104 (4), 1101-1115 (2008)

Bender, A.\*, Beckers, J. et al. (19 Coauthors): Creatine improves health and survival of mice. *Neurobiol. Aging* 29 (9), 1404-1411 (2008)

Benussi, L.\*, Binetti, G.\*, Sina, E.\*, Gigola, L.\*, Bettecken, T.\*, Meitinger, T., Ghidoni, R.\*: A novel deletion in progranulin gene is associated with FTDP-17 and CBS. *Neurobiol. Aging* 29 (3), 427-435 (2008)

Bergami, M.\*, Rimondini, R.\*, Santi, S.\*, Blum, R.\*, Götz, M., Canossa, M.\*: Deletion of TrkB in adult progenitors alters newborn neuron integration into hippocampal circuits and increases anxiety-like behavior. *Proc. Natl. Acad. Sci. U.S.A.* 105 (40), 15570-15575 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Berschneider, G., Castell, W.: Conditionally Positive Definite Kernels and Pontryagin Spaces. , Brentwood : Nashboro Press, 27-37 (2008)

Bevan, S.\* , Dichgans, M.\* , Wiechmann, H.E., Gschwendtner, A.\* , Meitinger, T., Markus, H.S.\*: Genetic variation in members of the leukotriene biosynthesis pathway confer an increased risk of ischemic stroke - A replication study in two independent populations. *Stroke* 39 (4), 1109-1114 (2008)

Black, S.L.\* , Stanley, W.A.\* , Filipp, F.V.\* , Bhairo, M.\* , Verma, A.\* , Wichmann, O.\* , Sattler, M., Wilmanns, M.\* , Schultz, C.\*: Probing lipid- and drug-binding domains with fluorescent dyes. *Bioorg. Med. Chem.* 16 (3), 1162-1173 (2008)

Blin, M.\* , Norton, W., Bally-Cuif, L., Vernier, P.: NR4A2 controls the differentiation of selective dopaminergic nuclei in the zebrafish brain.. *Mol. Cell. Neurosci.* 39 (4), 592-604 (2008)

Bode, M.\* , Irmiler, M. et al. (12 Coauthors): Interlocking transcriptomics, proteomics and topomics technologies for brain tissue analysis in murine hippocampus. *Proteomics* 8 (6), 1170-1178 (2008)

Böhm, J.\* , Floss, T. et al. (10 Coauthors): Sall1, Sall2, and Sall4 Are Required for Neural Tube Closure in Mice. *Am. J. Pathol.* 173 (5), 1455-1463 (2008)

Bonilla, S.\* , Hall, A.C.\* , Pinto, L., Attardo, A., Götz, M., Huttner, W.B., Arenas, E.\*: Identification of midbrain floor plate radial glia-like cells as dopaminergic progenitors. *Glia* 56 (8), 809-820 (2008)

Bouatia-Naji, N.\* , Lichtner, P. et al. (13 Coauthors): INS VNTR is not associated with childhood obesity in 1,023 families: a family-based study. *Obesity (Silver Spring)* 16 (6), 1471-1475 (2008)

Braus, B.K.\* , Hauck, S.M., Amann, B.\* , Heinrich, C.\* , Fritsche, J.\* , Koestlin, R.\* , Deeg, C.A.\*: Neuron-specific enolase antibodies in patients with sudden acquired retinal degeneration syndrome. *Vet. Immunol. Immunopathol.* 124 (1-2), 177-183 (2008)

Brill, M.S., Snappyan, M.\* , Wohlfrom, H., Ninkovic, J., Jawerka, M., Mastick, G.S.\* , Ashery-Padan, R.\* , Saghatelian, A.\* , Berninger, B., Götz, M.: A Dlx2- and Pax6-dependent transcriptional code for periglomerular neuron specification in the adult olfactory bulb. *J. Neurosci.* 28 (25), 6439-6452 (2008)

Brockmann, D.\* , Theis, F.: Money Circulation, Trackable Items, and the Emergence of Universal Human Mobility Patterns. *IEEE Pervasive Comput.* 7 (4), 28-35 (2008)

Brozic, P.\* , Kocbek, P.\* , Sova, M.\* , Kristl, J.\* , Martens, S.\* , Adamski, J., Gobec, S.\* , Rizner, T.L.\*: Flavonoids and cinnamic acid derivatives as inhibitors of 17beta-hydroxysteroid dehydrogenase type 1. *Mol. Cell. Endocrinol.* 10.1016/j.mce.2008.09.004, S. (2008)

Brüske-Hohlfeld, I., Peters, A.: Epidemiological studies on particulate air pollution. *Nanotechnology. Vol.2: Environmental Aspects*, Krug, H. [Ed.], Weinheim : Wiley, 267-290 (2008)

Buffo, A., Rite, I., Tripathi, P., Lepier, A.\* , Colak, D., Horn, A.P., Mori, T., Götz, M.: Origin and progeny of reactive gliosis : A source of multipotent cells in the injured brain. *Proc. Natl. Acad. Sci. U.S.A.* 105 (9), 3581-3586 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Buse, C.\* , Altmann, F.\* , Amann, B.\* , Hauck, S. M., Nautrup, C. P.\* , Ueffing, M., Stangassinger, M.\* , Deeg, C. A.\*: Discovering novel targets for autoantibodies in dilated cardiomyopathy. *Electrophoresis* 29 (6), 1325-1332 (2008)

Chu, Y., Senghaas, N., Köster, R.W., Wurst, W., Kühn, R.: Novel caspase-suicide proteins for tamoxifen-inducible apoptosis. *Genesis* 46 (10), 530-536 (2008)

Colak, D., Mori, T., Brill, M.S., Pfeifer, A.\* , Falk, S.\* , Deng, C.\* , Monteiro, R.\* , Mummery, C.\* , Sommer, L.\* , Götz, M.: Adult neurogenesis requires Smad4-mediated bone morphogenic protein signaling in stem cells. *J. Neurosci.* 28 (2), 434-445 (2008)

Collin, R.W.\* , Strom, T.M.\* et al. (10 Coauthors): Identification of a 2 Mb human ortholog of *Drosophila* eyes shut/spacemaker that is mutated in patients with retinitis pigmentosa.. *Am. J. Hum. Genet.* 83(5), 594-603 (2008)

Collin, R.W.J.\* , Strom, T.M. et al. (10 Coauthors): Mid-frequency DFNA8/12 hearing loss caused by a synonymous TECTA mutation that affects an exonic splice enhancer. *Eur. J. Hum. Genet.* 16 (12), 1430-1436 (2008)

Coolen, M., Bally-Cuif, L.: A microRNA as a gatekeeper of the midbrain-hindbrain boundary. *Med. Sci. (Paris)* 24 (10), 787-789 (2008)

Corsini, L.\* , Hothorn, M.\* , Scheffzek, K.\* , Sattler, M., Stier, G.\*: Thioredoxin as a fusion tag for carrier-driven crystallization. *Protein Sci.* 17 (12), 2070-2079 (2008)

Corsini, L.\* , Sattler, M.: Backbone assignment of the UHM domain of Puf60 free and bound to five ligands. *Biomol. NMR Assign.* 2 (2), 211-214 (2008)

Costa, M.R., Wen, G., Lepier, A.\* , Schroeder, T., Götz, M.: Par-complex proteins promote proliferative progenitor divisions in the developing mouse cerebral cortex. *Development* 135 (1), 11-28 (2008)

David, R.\* , Lickert, H. et al. (11 Coauthors): MesP1 drives vertebrate cardiovascular differentiation through Dkk-1-mediated blockade of Wnt-signalling. *Nat. Cell Biol.* 10 (3), 338-345 (2008)

Deeg, C. A.\* , Hauck, S.M., Amann, B.\* , Pompetzki, D.\* , Altmann, F.\* , Raith, A.\* , Schmalz, T.\* , Stangassinger, M.\* , Ueffing, M.: Equine recurrent uveitis : a spontaneous horse model of uveitis. *Ophthalmic Res.* 40(3-4), 151-153 (2008)

Delic, S., Streif, S., Deussing, J.M.\* , Weber, P.\* , Ueffing, M., Hölter, S.M., Wurst, W., Kühn, R.: Genetic mouse models for behavioral analysis through transgenic RNAi technology. *Genes Brain Behav.* 7 (7), 821-830 (2008)

Deliolanis, N.C.\* , Kasmieh, R.\* , Wurdinger, T.\* , Tannous, B.A.\* , Shah, K.\* , Ntziachristos, V.: Performance of the red-shifted fluorescent proteins in deep-tissue molecular imaging applications. *J. Biomed. Opt.* 13 (4), 0440081-0440089 (2008)

Demski, H., Waegemann, P.\* , Engelbrecht, R.: Der amerikanische CCR Standard - Impulse für Kontinuität in der medizinischen Dokumentation. Brückenschlag von Medizinischer Informatik, Biometrie und Epidemiologie zur Medizintechnik. 53. Jahrestagung der Deutschen Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie e. V. (GMDS), Düsseldorf : German Medical Science, 93-94 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Di Benedetto, B., Wefers, B., Wurst, W., Kühn, R.: Local Knockdown of ERK2 in the Adult Mouse Brain Via Adeno-Associated Virus-Mediated RNA Interference. *Mol. Biotechnol.* 41 (3), 263-269 (2008)

Dimou, L. \*, Simon, C. \*, Kirchhoff, F. \*, Takebayashi, H. \*, Goetz, M.: Progeny of Olig2-expressing progenitors in the gray and white matter of the adult mouse cerebral cortex.. *J. Neurosci.* 28 (41), 10434-10442 (2008)

Drew, E., Schroeder, T.: The Big Brother of Blood: The Need for Constant Video Surveillance of Individual Cells. *New Cell Differentiation Research Topics*, Saitama, H. [Ed.], Hauppauge, NY : Nova Science Publishers, 229-246 (2008)

Du, T.G. \*, Jellbauer, S. \*, Müller, M., Schmid, M. \*, Niessing, D., Jansen, R.P. \*: Nuclear transit of the RNA-binding protein She2 is required for translational control of localized ASH1 mRNA. *EMBO Rep.* 9 (8), 781-787 (2008)

Duszczuk, M.M., Zanier, K. \*, Sattler, M.: A NMR strategy to unambiguously distinguish nucleic acid hairpin and duplex conformations applied to a Xist RNA A-repeat. *Nucleic Acids Res.* 36 (22), 7068-7077 (2008)

Egea, J. \*, Burtscher, I. et al. (12 Coauthors): Genetic ablation of FLRT3 reveals a novel morphogenetic function for the anterior visceral endoderm in suppressing mesoderm differentiation. *Genes Dev.* 22 (23), 3349-3362 (2008)

Elstner, M., Andreoli, C. \*, Ahting, U., Tetko, I., Klopstock, T. \*, Meitinger, T., Prokisch, H.: MitoP2: An Integrative Tool for the Analysis of the Mitochondrial Proteome. *Mol. Biotechnol.* 40 (3), 306-315 (2008)

Engelbrecht, R. et al. (11 Coauthors): Electronic Health Record - Quality Labelling, Certification and Beyond. *eHealth Conference 2007*, : Nanos-Verl., 47-48 (2008)

Engelbrecht, R.: Die Gesundheitsakte: eine Basis für die gute Behandlung von Patienten. *Koch-Metschnikow-Journal* 3/2008, 12-14 (2008)

Englmeier, K.-H., Seemann, M.D. \*: Multimodal virtual bronchoscopy using PET/CT images. *Comput. Aided Surg.* 13 (2), 106-113 (2008)

Falk, S. \*, Schmid, M.-T. et al. (15 Coauthors): Brain area-specific effect of TGF-beta signaling on Wnt-dependent neural stem cell expansion. *Cell Stem Cell* 2 (5), 472-483 (2008)

Fatar, M. \*, Lichtner, P. et al. (12 Coauthors): Single-nucleotide polymorphisms of MMP-2 gene in stroke subtypes. *Cerebrovasc. Dis.* 26 (2), 113-119 (2008)

Faus-Kessler, T., Kirchner, M., Jakobi, G.: Modelling the decay of concentrations of nitrogenous compounds with distance from roads. *Atmos. Environ.* 42 (19), 4589-4600 (2008)

Favor, J., Gloeckner, C.J., Neuhäuser-Klaus, A., Pretsch, W., Sandulache, R., Saule, S. \*, Zaus, I.: Relationship of Pax6 activity levels to the extent of eye development in the mouse, *Mus musculus*. *Genetics* 179 (3), 1345-1355 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

- Feldbrügge, M.\*, Zarnack, K.\*, Vollmeister, E.\*, Baumann, S.\*, Koepke, J.\*, König, J.\*, Münsterkötter, M., Mannhaupt, G.: The posttranscriptional machinery of *Ustilago maydis*. *Fungal Genet. Biol.* 45 (Suppl.1), 40-46 (2008)
- Fitzgerald, L.A.\*, Boucher, P.T.\*, Yanai-Balser, G.M.\*, Suhre, K., Graves, M.V.\*, Van Etten, J.L.\*: Putative gene promoter sequences in the chlorella viruses. *Virology* 380 (2), 388-393 (2008)
- Floss, T., Schnütgen, F.\*: Conditional gene trapping using the FLEEx system. *Methods Mol. Biol.* 435, 127-138 (2008)
- Fuchs, H., Lisse, T., Hans, W., Abe, K., Thiele, F., Gailus-Durner, V., Hrabe de Angelis, M.: Phenotypic characterization of mouse models for bone-related diseases in the German Mouse Clinic. *J. Musculoskelet. Neuronal. Interact.* 8 (1), 13-14 (2008)
- Gabel, F.\*, Simon, B.\*, Nilges, M.\*, Petoukhov, M.\*, Svergun, D.\*, Sattler, M.: A structure refinement protocol combining NMR residual dipolar couplings and small angle scattering restraints. *J. Biomol. NMR* 41 (4), 199-208 (2008)
- Ganguly, K. et al. (10 Coauthors): Novel allele of *Crybb2* in the mouse and its expression in the brain. *Invest. Ophthalmol. Vis. Sci.* 49 (4), 1533-1541 (2008)
- Gibson, J.\*, Pfeufer, A. et al. (10 Coauthors): A multimetric approach to analysis of genome-wide association by single markers and composite likelihood. *Proc. Natl. Acad. Sci. U.S.A.* 105 (7), 2592-2597 (2008)
- Graw, J.: Cataract genetics. *Eye, retina and visual system of the mouse*, Chalupa, L.M.; Williams, R.W. [Eds.], Cambridge : Mitpress, 493-504 (2008)
- Grimm, M.\*, Stephan, R.\*, Iversen, C.\*, Manzardo, G.G.\*, Rattei, T.\*, Riedel, K.\*, Ruepp, A., Frishman, D.\*, Lehner, A.\*: Cellulose as an extracellular matrix component present in *Enterobacter sakazakii* biofilms. *J. Food Prot.* 71 (1), 13-18 (2008)
- Haller, J.\*, Hyde, D.\*, Deliolani, N.\*, de Kleine, R.\*, Niedre, M.\*, Ntziachristos, V.: Visualization of pulmonary inflammation using noninvasive fluorescence molecular imaging. *J. Appl. Physiol.* 104 (3), 795-802 (2008)
- Hamacher, M., Herberg, F., Ueffing, M., Meyer, H.E.: Seven successful years of Omics research : the Human Brain Proteome Project within the National German Research Network (NGFN). *Proteomics* 8 (6), 1116-1117 (2008)
- Hanstein, R.\*, Lu, A.\*, Wurst, W., Holsboer, F.\*, Deussing, J.M.\*, Clement, A.B.\*, Behl, C.\*: Transgenic overexpression of corticotropin releasing hormone provides partial protection against neurodegeneration in an in vivo model of acute excitotoxic stress. *Neuroscience* 156 (3), 712-721 (2008)
- Hartl, D.\*, Irmeler, M., Römer, I.\*, Mader, M.T., Mao, L.\*, Zabel, C.\*, Hrabé de Angelis, M., Beckers, J., Klose, J.\*: Transcriptome and proteome analysis of early embryonic mouse brain development. *Proteomics* 8 (6), 1257-1265 (2008)
- Hauck, S.M., Gloeckner, C.J., Harley, M.E., Schoeffmann, S.\*, Boldt, K., Ekstrom, P.A.\*, Ueffing, M.: Identification of paracrine neuroprotective candidate proteins by a functional assay-driven proteomics approach. *Mol. Cell. Proteomics* 7 (7), 1349-1361 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Haupt, C., Huber, A.B.: How axons see their way - axonal guidance in the visual system. *Front. Biosci.* 13, 3136-3149 (2008)

Henning, K.\*, Heering, J.\*, Schwanbeck, R.\*, Schroeder, T., Helmbold, H.\*, Schäfer, H.\*, Deppert, W.\*, Kim, E.\*, Just, U.\*: Notch1 activation reduces proliferation in the multipotent hematopoietic progenitor cell line FDCP-mix through a p53-dependent pathway but Notch1 effects on myeloid and erythroid differentiation are independent of p53. *Cell Death Differ.* 15 (2), 398-407 (2008)

Hertzano, R.\*, Fuchs, H. et al. (14 Coauthors): A Myo6 mutation destroys coordination between the myosin heads, revealing new functions of myosin VI in the stereocilia of mammalian inner ear hair cells. *PLoS Genet.* 4 (10):e1000207, 1-14 (2008)

Hildebrand, C., Demski, H., Pharow, P.\*: The need for security and identity management standards in eHealth. *Hospital Healthcare Europe* ; 8 (2007)

Hildebrand, C., Demski, H., Pharow, P., Hovsto, A.\*, Engelbrecht, R.: Sicherheitsstandards und innovative Technologien in eHealth – das EU-Projekt BioHealth. Brückenschlag von Medizinischer Informatik, Biometrie und Epidemiologie zur Medizintechnik. 53. Jahrestagung der Deutschen Gesellschaft für Medizinische Informatik, Biometrie und Epidemiologie e. V. (GMDS), Düsseldorf : German Medical Science, 235-237 (2008)

Hildebrand, C., Pharow, P.\*, Blobel, B.\*: The role of patients and their health cards in integrated eHealth environments. *Stud. Health Technol. Inform.* 136, 629-634 (2008)

Hölter, S.M. et al. (14 Coauthors): Sighted C3H<sup>1</sup> mice - a tool for analysing the influence of vision on mouse behaviour? *Front. Biosci.* 13, 5810-5823 (2008)

Horsch, M., Schädler, S., Gailus-Durner, V., Fuchs, H., Meyer, H.\*, Hrabé de Angelis, M., Beckers, J.: Systematic gene expression profiling of mouse model series reveals coexpressed genes. *Proteomics* 8 (6), 1248-1256 (2008)

Irmiler, M., Hartl, D.\*, Schmidt, T.\*, Schuchhardt, J.\*, Lach, C., Meyer, H.E.\*, Hrabé de Angelis, M., Klose, J.\*, Beckers, J.: An approach to handling and interpretation of ambiguous data in transcriptome and proteome comparisons. *Proteomics* 8 (6), 1165-1169 (2008)

Ishihama, Y.\*, Schmidt, T.\*, Rappsilber, J.\*, Mann, M.\*, Hartl, F.U.\*, Kerner, M.J.\*, Frishman, D.: Protein abundance profiling of the Escherichia coli cytosol. *BMC Genomics* 9:102, 1-17 (2008)

Jaffer, F.A.\*, Vinegoni, C.\*, John, M.C.\*, Aikawa, E.\*, Gold, H.K.\*, Finn, A.V.\*, Ntziachristos, V., Libby, P.\*, Weissleder, R.\*: Real-time catheter molecular sensing of inflammation in proteolytically active atherosclerosis. *Circulation* 118 (18), 1802-1809 (2008)

Jessberger, S.\*, Aigner, S.\*, Clemenson, G.D.\*, Toni, N.\*, Lie, D.C., Karalay, O.\*, Overall, R.\*, Kempermann, G.\*, Gage, F.H.\*: Cdk5 regulates accurate maturation of newborn granule cells in the adult hippocampus. *PLoS Biol.* 6 (11):e272, 1-11 (2008)

Kalivyanskaya, T.A.\*, Kamaltynova, E.\*, Sizov, E.\*, Deev, I.A.\*, Astrelina, J.I.\*, Salnikov, V.A.\*, Engelbrecht, R., Ogorodova, L.M.\*: DISPAN - eHealth-Unterstützung bei der Gesundheitsversorgung der Region Tomsk. *Koch-Metschnikow-Journal* 3/2008, 15-17 (2008)

Kamprath, K.\*, Plendl, W.\*, Marsicano, G.\*, Deussing, J. M.\*, Wurst, W., Lutz, B.\*, Wotjak, C. T.\*: Endocannabinoids mediate acute fear adaptation via glutamatergic neurons independently of corticotropin-releasing hormone signaling. *Genes Brain Behav.* 8 (2), 203-211 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Karthikeyan, M.\*, Krishnan, S.\*, Pandey, A.K., Bender, A.\*, Tropsha, A.\*: Distributed chemical computing using ChemStar : An open source java remote method invocation architecture applied to large scale molecular data from PubChem. *J. Chem. Inf. Model.* 48 (4), 691-703 (2008)

Kastenmüller, G., Gasteiger, J.\*, Mewes, H.W.: An environmental perspective on large-scale genome clustering based on metabolic capabilities. *Bioinformatics* 24 (16), i56-62 (2008)

Kemlink, D. et al. (17 Coauthors): Suggestive evidence for linkage for restless legs syndrome on chromosome 19p13. *Neurogenetics* 9 (2), 75-82 (2008)

Klafke, R., Wurst, W., Prakash, N.: Genetic control of rodent midbrain dopaminergic neuron development in the light of human disease. *Pharmacopsychiatry* 41 (Suppl. 1), S44-S50 (2008)

Komisarczuk, A.Z.\*, Topp, S., Stigloher, C., Kapsimali, M.\*, Bally-Cuif, L., Becker, T.S.\*: Enhancer detection and developmental expression of zebrafish *sprouty1*, a member of the *fgf8* synexpression group. *Dev. Dyn.* 237(9), 2594-2603 (2008)

Koolen, D.A.\*, Strom, T.M. et al. (47 Coauthors): Clinical and molecular delineation of the 17q21.31 microdeletion syndrome. *J. Med. Genet.* DOI:10.1136/jmg.2008.058701 (2008)

Kronsbein, H.C.\*, Jastorff, A.M.\*, Maccarrone, G.\*, Stalla, G.\*, Wurst, W., Holsboer, F.\*, Turck, C.W.\*, Deussing, J.M.\*: CRHR1-dependent effects on protein expression and posttranslational modification in AtT-20 cells. *Mol. Cell. Endocrinol.* 292 (1-2), 1-10 (2008)

Kuhn, K.A.\*, Mewes, H.-W. et al. (31 Coauthors): Informatics and medicine--from molecules to populations. *Methods Inf. Med.* 47 (4), 283-295 (2008)

Leucht, C., Stigloher, C., Wizenmann, A., Klafke, R., Folchert, A., Bally-Cuif, L.: MicroRNA-9 directs late organizer activity of the midbrain-hindbrain boundary. *Nat. Neurosci.* 11 (6), 641-648 (2008)

Lisse, T.S. et al. (12 Coauthors): ER Stress-Mediated Apoptosis in a New Mouse Model of Osteogenesis imperfecta. *PLoS Genet.* 4 (2):e7, 1-11 (2008)

Loy, A.\*, Arnold, R., Tischler, P., Rattei, T., Wagner, M.\*, Horn, M.\*: probeCheck - a central resource for evaluating oligonucleotide probe coverage and specificity. *Environ. Microbiol.* 10(10), 2894-2898 (2008)

Lu, A.\*, Wurst, W. et al. (14 Coauthors): Conditional mouse mutants highlight mechanisms of corticotropin-releasing hormone effects on stress-coping behavior. *Mol. Psychiatry* 13 (11), 1028-1042 (2008)

Lyoo, C.H.\*, Prokisch, H., Meitinger, T., Lee, S.Y.\*, Kim, do H.\*, Lee, M.S.\*: Anticholinergic-responsive gait freezing in a patient with pantothenate kinase-associated neurodegeneration. *Mov. Disord.* 23 (2), 283-284 (2008)

Mahabir, E., Bauer, B.\*, Schmidt, J.: Rodent and germplasm trafficking: Risks of microbial contamination in a high-tech biomedical world. *ILAR J.* 49 (3), 347-355 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

- Mahabir, E., Bulian, D., Schmöller, R., Needham, J.\*, Schmidt, J.: Production of virus-free seronegative pups from murine embryos arising from in vitro fertilization with mouse minute virus-exposed spermatozoa. *Biol. Reprod.* 78 (1), 53-58 (2008)
- Maier, H., Lengger, C., Simic, B.\*, Fuchs, H., Gailus-Durner, V., Hrabé de Angelis, M.: MausDB: an open source application for phenotype data and mouse colony management in large-scale mouse phenotyping projects. *BMC Bioinformatics* 9:169, 1-15 (2008)
- Mandillo, S.\*, Hölter, S.M. et al. (23 Coauthors): Reliability, robustness and reproducibility in mouse behavioral phenotyping: a cross-laboratory study. *Physiol. Genomics* 34 (3), 243-255 (2008)
- Mannhold, R.\*, Poda, G.I.\*, Ostermann, C.\*, Tetko, I.V.: Calculation of Molecular Lipophilicity: State-of-the-Art and Comparison of Log P Methods on More Than 96,000 Compounds. *J. Pharm. Sci.* (2008)
- Markoullis, K. et al. (13 Coauthors): Mycoplasma contamination of murine embryonic stem cells affects cell parameters, germline transmission and chimeric progeny. *Transgenic Res.* DOI:10.1007/s11248-008-9218-z (2008)
- Marr, C., Geertz, M.\*, Hütt, M.-T.\*, Muskhelishvili, G.\*: Dissecting the logical types of network control in gene expression profiles. *BMC Syst. Biol.* 2:18, 1-9 (2008)
- McGowan, K.A.\*, Fuchs, H. et al. (11 Coauthors): Ribosomal mutations cause p53-mediated dark skin and pleiotropic effects. *Nat. Genet.* 40 (8), 963-970 (2008)
- Meier, M., Tokarz, J., Haller, F., Mindnich, R.\*, Adamski, J.: Human and zebrafish hydroxysteroid dehydrogenase like 1 (HSDL1) proteins are inactive enzymes but conserved among species. *Chem. Biol. Interact.* DOI:10.1016/j.cbi.2008.10.036 (2008)
- Mewes, H.W. et al. (10 Coauthors): MIPS : analysis and annotation of genome information in 2007. *Nucleic Acids Res.* 36 (Database Issue), D196-D201 (2008)
- Michaelidis, T.M., Lie, D.C.: Wnt signaling and neural stem cells : Caught in the Wnt web. *Cell Tissue Res.* 331 (1), 193-210 (2008)
- Müller, T.D.\*, Lichtner, P. et al. (13 Coauthors): Lack of association of genetic variants in genes of the endocannabinoid system with anorexia nervosa. *Child Adolesc. Psychiatry Ment. Health* 2 (33) (2008)
- Münsterkötter, M., Steinberg, G.\*: The fungus *Ustilago maydis* and humans share disease-related proteins that are not found in *Saccharomyces cerevisiae*. *BMC Genomics* 8:473, 1-22 (2007)
- Niedre, M.\*, Ntziachristos, V.: Elucidating structure and function in vivo with hybrid fluorescence and magnetic resonance imaging. *Proc. IEEE Inst. Electr. Electron. Eng.* 96 (3), 382-392 (2008)
- Niedre, M.J.\*, de Kleine, R.H.\*, Aikawa, E.\*, Kirsch, D.G.\*, Weissleder, R.\*, Ntziachristos, V.: Early photon tomography allows fluorescence detection of lung carcinomas and disease progression in mice in vivo. *Proc. Natl. Acad. Sci. U.S.A.* 105 (49), 19126-19131 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Ninkovic, J., Stigloher, C., LilleSaar, C., Bally-Cuif, L.: Gsk3 beta/PKA and Gli1 regulate the maintenance of neural progenitors at the midbrain-hindbrain boundary in concert with E(Spl) factor activity. *Development* 135 (18), 3137-3148 (2008)

Norton, W. H.J., Folchert, A., Bally-Cuif, L.: Comparative analysis of serotonin receptor (HTR1A/HTR1B families) and transporter (slc6a4a/b) gene expression in the zebrafish brain.. *J. Comp. Neurol.* 511 (4), 521-542 (2008)

Omodei, D.\*, Acampora, D.\*, Mancuso, P.\*, Prakash, N., Di Giovannantonio, L.G.\*, Wurst, W., Simeone, A.\*: Anterior-posterior graded response to Otx2 controls proliferation and differentiation of dopaminergic progenitors in the ventral mesencephalon. *Development* 135 (20), 3459-3470 (2008)

Pagel, P., Oesterheld, M., Tovstukhina, O.\*, Strack, N.\*, Stümpflen, V., Frishman, D.: DIMA 2.0 - predicted and known domain interactions. *Nucleic Acids Res.* 36, D651-655 (2008)

Pagel, P., Strack, N.\*, Oesterheld, M.\*, Stümpflen, V., Frishman, D.: Computational prediction of domain interactions. *Methods in Molecular Biology ; Vol. 396: Comparative Genomics*, Bergman, N.H. [Ed.], Totowa, NJ : Humana Press, 3-16 (2007)

Pawlak, C.R.\*, Sanchis-Segura, C., Soewarto, D., Wagner, S., Hrabé de Angelis, M., Spanagel, R.\*: A phenotype-driven ENU mutagenesis screen for the identification of dominant mutations involved in alcohol consumption. *Mamm. Genome* 19 (2), 77-84 (2008)

Persson, B.\*, Adamski, J. et al. (17 Coauthors): The SDR (short-chain dehydrogenase/reductase and related enzymes) nomenclature initiative. *Chem. Biol. Interact.* DOI:10.1016/j.cbi.2008.10.040 (2008)

Perz, S., Kürfner, R., Holle, R.: Monitoring der Qualität von EKG-Registrierungen in Bevölkerungsbasierten Untersuchungen. *Biosignalverarbeitung: Innovationen bei der Erfassung und Analyse bioelektrischer und biomagnetischer Signale. Beiträge zum Workshop 'Biosignalverarbeitung 2008'*, Malberg, H. et al. [Hrsg.], 168-171 (2008)

Pfeiffer, F.\*, Schuster, S.C.\*, Broicher, A.\*, Falb, M.\*, Palm, P.\*, Rodewald, K.\*, Ruepp, A., Soppa, J.\*, Tittor, J.\*, Oesterheld, D.\*: Genome sequences of *Halobacterium salinarum* : A reply. *Genomics* 91 (6), 553-554 (2008)

Pfeiffer, F.\*, Schuster, S.C.\*, Broicher, A.\*, Falb, M.\*, Palm, P.\*, Rodewald, K., Ruepp, A., Soppa, J.\*, Tittor, J.\*, Oesterheld, D.\*: Evolution in the laboratory: the genome of *Halobacterium salinarum* strain R1 compared to that of strain NRC-1. *Genomics* 91 (4), 335-346 (2008)

Pharow, P.\*, Blobel, B.\*, Hildebrand, C.: How can the German Electronic Health Card support patient's role in care management. *Studies in health technology and informatics, Medical and care compunetics* 5, Bos, L. et al. (Ed.), Amsterdam : IOS Press, 386-401 (2008)

Pharow, P.\*, Cheshire, P.\*, Hildebrand, C., Trpisovsky, T.\*: Personalization in eHealth: The Transition from Cards to Portable Devices for Personalized Health Services. *eHealth Beyond the Horizon - Get IT There; Proceedings of MIE 2008, The XXIst International Congress of the European Federation for Medical Informatics*, Andersen, S.K. et al. [Eds.], Amsterdam, Netherlands : IOS Press (2008)

Pinto, L. et al. (11 Coauthors): Prospective isolation of functionally distinct radial glial subtypes--lineage and transcriptome analysis. *Mol. Cell. Neurosci.* 38 (1), 15-42 (2008)

Prestel, J.\*, Prokisch, H. et al. (11 Coauthors): Clinical and molecular characterisation of a Parkinson family with a novel PINK1 mutation. *J. Neurol.* 255 (5), 643-648 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Puk, O., Dalke, C., Hrabé de Angelis, M., Graw, J.: Variation of the response to the optokinetic drum among various strains of mice. *Front. Biosci.* 13, 6269-6275 (2008)

Puk, O., Löster, J., Dalke, C., Soewarto, D., Fuchs, H., Budde, B.\*, Nürnberg, P.\*, Wolf, E.\*, Hrabé de Angelis, M., Graw, J.: Mutation in a Novel Connexin-like Gene (Gjf1) in the Mouse Affects Early Lens Development and Causes a Variable Small-Eye Phenotype. *Invest. Ophthalmol. Vis. Sci.* 49 (4), 1525-1532 (2008)

Radzimanowski, J.\*, Simon, B.\*, Sattler, M., Beyreuther, K.\*, Sinning, I.\*, Wild, K.\*: Structure of the intracellular domain of the amyloid precursor protein in complex with Fe65-PTB2. *EMBO Rep.* 9 (11), 1134-1140 (2008)

Ramser, J.\*, Lichtner, P. et al. (11 Coauthors): Rare missense and synonymous variants in UBE1 are associated with X-linked infantile spinal muscular atrophy. *Am. J. Hum. Genet.* 82 (1), 188-193 (2008)

Rattei, T.\*, Tischler, P.\*, Arnold, R.\*, Hamberger, F.\*, Krebs, J.\*, Krumsiek, J.\*, Wachinger, B.\*, Stümpflen, V., Mewes, W.: SIMAP-structuring the network of protein similarities. *Nucleic Acids Res.* 36 (Database Issue), D289-D292 (2008)

Razansky, D., Einziger, P.D.\*, Adam, D.\*: Cavity plasmon resonance biosensing. *IEEE Trans. Nanotechnol.* 7 (5), 580-585 (2008)

Razansky, D., Ntziachristos, V.: Fluorescence Molecular Tomography using a-priori Photoacoustic data. *Photons Plus Ultrasound: Imaging and Sensing 2008: The Ninth Conference on Biomedical Thermoacoustics, Optoacoustics, and Acousto-optics; Proc. SPIE, Oraevsky, A.A.; Wang, L.V. [Eds.], Bellingham, WA : International Society for Optical Engineering, 685617 (2008)*

Razansky, D., Vinegoni, C.\*, Ntziachristos, V.: Polarization-sensitive optoacoustic tomography of optically diffuse tissues. *Opt. Lett.* 33 (20), 2308-2310 (2008)

Razansky, D., Vinegoni, C.\*, Ntziachristos, V.: Multi-spectral photo-acoustic molecular tomography resolves fluorochrome distribution with high resolution and sensitivity in small animals. *Photons Plus Ultrasound: Imaging and Sensing 2008: The Ninth Conference on Biomedical Thermoacoustics, Optoacoustics, and Acousto-optics; Proc. SPIE, Oraevsky, A.A.; Wang, L.V. [Eds.], Bellingham, WA : International Society for Optical Engineering, 685613 (2008)*

Rieger, M.A., Schroeder, T.: Exploring hematopoiesis at single cell resolution. *Cells Tissues Organs (Print)* 188 (1-2), 139-149 (2008)

Rieger, S., Volkmann, K., Köster, R.W.: Polysialyltransferase expression is linked to neuronal migration in the developing and adult zebrafish. *Dev. Dyn.* 237 (1), 276-285 (2008)

Ripoll, J.\*, Ntziachristos, V., Cannet, C.\*, Babin, A.L.\*, Kneuer, R.\*, Gremlich, H.U.\*, Beckmann, N.\*: Investigating pharmacology in vivo using magnetic resonance and optical imaging. *Drugs R D* 9 (5), 277-306 (2008)

Risbrough, V.B.\*, Geyer, M.A.\*, Hauger, R.L.\*, Coste, S.\*, Stenzel-Poore, M.\*, Wurst, W., Holsboer, F.\*: CRF1 and CRF2 Receptors are Required for Potentiated Startle to Contextual but not Discrete Cues. *Neuropsychopharmacology* DOI:10.1038/npp.2008.205 (2008)

Ruepp, A. et al. (10 Coauthors): CORUM : the comprehensive resource of mammalian protein complexes. *Nucleic Acids Res.* 36 (Database Issue), D646-D650 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Rumpf, J.\*, Simon, B.\*, Groemping, Y.\*, Sattler, M.: H-1, C-13, and N-15 chemical shift assignments for the Eps15-EH2-stonin 2 complex. *Biomol. NMR Assign.* 2 (1), 55-58 (2008)

Rumpf, J.\*, Simon, B.\*, Jung, N.\*, Maritzen, T.\*, Haucke, V.\*, Sattler, M., Groemping Y.\*: Structure of the Eps15-stonin2 complex provides a molecular explanation for EH-domain ligand specificity. *EMBO J.* 27 (3), 558-569 (2008)

Schachtner, R.\*, Lutter, D., Knollmüller, P.\*, Tomé, A.M., Theis, F.J., Schmitz, G.\*, Stetter, M.\*, Vilda, P.G.\*, Lang, E.W.\*: Knowledge-based gene expression classification via matrix factorization. *Bioinformatics* 24 (15), 1688-1697 (2008)

Schmidt, S.\*, Hölter, S.M. et al. (12 Coauthors): Deletion of glucose transporter GLUT8 in mice increases locomotor activity. *Behav. Genet.* 38 (4), 396-406 (2008)

Schmidt, T.\*, Frishman, D.: Assignment of isochores for all completely sequenced vertebrate genomes using a consensus. *Genome Biol.* 9(6):R104 (2008)

Schmidt, W.\*, Klopp, N., Illig, T., Graw, J.: A novel GJA8 mutation causing a recessive triangular cataract. *Mol. Vis.* 14, 851-856 (2008)

Schnütgen, F.\*, Hansen, J., De-Zolt, S.\*, Horn, C.\*, Lutz, M.\*, Floss, T., Wurst, W., Ruiz Noppinger, P.\*, von Melchner, H.\*: Enhanced gene trapping in mouse embryonic stem cells. *Nucleic Acids Res.* 36 (20):e133 (2008)

Schormair, B. et al. (31 Coauthors): PTPRD (protein tyrosine phosphatase receptor type delta) is associated with restless legs syndrome. *Nat. Genet.* 40 (8), 946-948 (2008)

Schroeder, T.: Imaging stem-cell-driven regeneration in mammals. *Nature* 453 (7153), 345-351 (2008)

Schuchhardt, J.\*, Glintschert, A.\*, Hartl, D.\*, Irmeler, M., Beckers, J., Stephan, C.\*, Marcus, K.\*, Klose, J.\*, Meyer, H.E.\*, Malik, A.\*: BrainProfileDB - a platform for integration of functional genomics data. *Proteomics* 8 (6), 1162-1164 (2008)

Schulz, R.B., Semmler, W.\*: Fundamentals of Optical Imaging. *Handbook of Experimental Pharmacology*, Volume 185/1, Molecular Imaging I, Semmler, W.; Schwaiger, M. [Eds.], Berlin; Heidelberg : Springer, 3-22 (2008)

Schwanbeck, R.\*, Schroeder, T., Henning, K.\*, Kohlhof, H., Rieber, N., Erfurth, M.L.\*, Just, U.\*: Notch signaling in embryonic and adult myelopoiesis. *Cells Tissues Organs (Print)* 188 (1-2), 91-102 (2008)

Sedlacek, K.\*, Pfeufer, A. et al. (11 Coauthors): Common genetic variants in ANK2 modulate QT interval: Results from the KORA study. *Circ. Cardiovasc. Genet.* 1 (2), 93-99 (2008)

Segeer, S.\*, Nössner, E. et al. (12 Coauthors): Compartment specific expression of dendritic cell markers in human glomerulonephritis. *Kidney Int.* 74 (1), 37-46 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

- Seiler, A.: Glutathione peroxidase 4 senses and translates oxidative stress into 12/15-lipoxygenase dependent- and AIF-Mediated cell death. *Cell Metab.* 8 (3), 237-248 (2008)
- Seong, K.-Y.\*, Zhao, X.\*, Xu, J.-R.\*, Güldener, U., Kistler, H.C.\*: Conidial germination in the filamentous fungus *Fusarium graminearum*. *Fungal Genet. Biol.* 45 (4), 389-399 (2008)
- Soerensen, J., Jakupoglu, C., Beck, H.\*, Förster, H., Schmidt, J., Schmahl, W.\*, Schweizer, U.\*, Conrad, M.\*, Brielmeier, M.: The role of thioredoxin reductases in brain development. *PLoS ONE* 3 (3):e1813, 1-10 (2008)
- Söker, T. et al. (27 Coauthors): Pleiotropic effects in *Eya3* knockout mice. *BMC Dev. Biol.* 8 (1):118 (2008)
- Soloviev, V.Y.\*, D'Andrea, C.\*, Brambilla, M.\*, Valentini, G.\*, Schulz, R.B., Cubeddu, R.\*, Arridge, S.R.\*: Adjoint time domain method for fluorescent imaging in turbid media. *Appl. Opt.* 47 (13), 2303-2311 (2008)
- Spiden, S.L.\*, Hrabé de Angelis, M. et al. (11 Coauthors): The novel mouse mutation Oblivion inactivates the PMCA2 pump and causes progressive hearing loss. *PLoS Genet.* 4 (10):e1000238, 1-12 (2008)
- Steuber-Buchberger, P., Wurst, W., Kühn, R.: Simultaneous Cre-mediated conditional knockdown of two genes in mice. *Genesis* 46 (3), 144-151 (2008)
- Stigloher, C., Chapouton, P., Adolf, B., Bally-Cuif, L.: Identification of neural progenitor pools by E(Spl) factors in the embryonic and adult brain. *Brain Res. Bull.* 75 (2-4), 266-273 (2008)
- Stogmann, E.\*, Wagenstaller, J. et al. (12 Coauthors): A novel mutation in the MFSD8 gene in late infantile neuronal ceroid lipofuscinosis. *Neurogenetics* 10 (1), 73-77 (2008)
- Strom, T.M., Jüppner, H.\*: PHEX, FGF23, DMP1 and beyond. *Curr. Opin. Nephrol. Hypertens.* 17 (4), 357-362 (2008)
- Suhre, K., Schmitt-Kopplin, P.: MassTRIX : Mass translator into pathways. *Nucleic Acids Res.* 36 (Web Server Issue), W481-W484 (2008)
- Surmeli, D.\*, Ratmann, O.\*, Mewes, H.W., Tetko, I.V.: FunCat Functional Inference with Belief Propagation and Feature Integration. *Comput. Biol. Chem.* 32 (5), 375-377 (2008)
- Suttner, K.\*, Adamski, J. et al. (10 Coauthors): HLX1 gene variants influence the development of childhood asthma. *J. Allergy Clin. Immunol.* 123 (1): e6, 82-88 (2008)
- Swiatek-de Lange, M.\*, Müller, B.\*, Ueffing, M.: Native Fractionation : Isolation of Native Membrane-Bound Protein Complexes from Porcine Rod Outer Segments Using Isopycnic Density Gradient Centrifugation. *Methods in Molecular Biology ; Vol. 484, Functional Proteomics: Methods and Protocols*, Thompson, J.D.; Schaeffer-Reiss, C.; Ueffing, M. [Eds.], Totowa : Humana Press, 161-175 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Tamplin, O.J.\* , Kinzel, D., Cox, B.J., Bell, C.E., Rossant, J., Lickert, H.: Microarray analysis of Foxa2 mutant mouse embryos reveals novel gene expression and inductive roles for the gastrula organizer and its derivatives.. BMC Genomics 9:511, 1-42 (2008)

Tarrant, A.M.\* , Reitzel, A.M.\* , Blomquist, C.H.\* , Haller, F., Tokarz, J., Adamski, J.: Steroid metabolism in cnidarians: Insights from Nematostella vectensis. Mol. Cell. Endocrinol. doi:10.1016/j.mce.2008.09.037 (2008)

Tetko, I. V.: Internet in Drug Design and Discovery. Open Appl. Informat. J. 2, 18-21 (2008)

Tetko, I.V., Jaroszewicz, I.\* , Platts, J.A.\* , Kuduk-Jaworska, J.\*: Calculation of lipophilicity for Pt(II) complexes : Experimental comparison of several methods. J. Inorg. Biochem. 102 (7), 1424-1437 (2008)

Tetko, I.V., Rodchenkov, I.V., Walter, M.C., Rattei, T.\* , Mewes, H.W.: Beyond the 'best' match : Machine learning annotation of protein sequences by integration of different sources of information. Bioinformatics 24 (5), 621-628 (2008)

Tetko, I.V., Sushko, I., Pandey, A.K., Zhu, H., Tropsha, A.\* , Papa, E.\* , Öberg, T.\* , Todeschini, R.\* , Fourches, D.\* , Varnek, A.\*: Critical assessment of QSAR models of environmental toxicity against Tetrahymena pyriformis: Focusing on applicability domain and overfitting by variable selection. J. Chem. Inf. Model. 48 (9), 1733-1746 (2008)

Tetko, I.V.: Associative Neural Network. Methods in Molecular Biology, Vol. 458, Artificial Neural Networks: Methods and Applications, Livingstone, D.S. [Ed.], Totowa, NJ : Humana Press, 187-204 (2008)

Themelis, G., Yoo, J.S., Ntziachristos, V.: Multispectral imaging using multiple-bandpass filters. Opt. Lett. 33 (9), 1023-1025 (2008)

Topp, C., Stigloher, C., Komisarczuk, A.Z.\* , Adolf, B., Becker, T.S.\* , Bally-Cuif, L.: Fgf signaling in the zebrafish adult brain: Association of Fgf activity with ventricular zones but not cell proliferation. J. Comp. Neurol. 510 (4), 422-439 (2008)

Tripathi, P.P.\* , Di Giovannantonio, L.G.\* , Viegi, A.\* , Wurst, W., Simeone, A.\* , Bozzi, Y.\*: Serotonin hyperinnervation abolishes seizure susceptibility in Otx2 conditional mutant mice. J. Neurosci. 28 (37), 9271-9276 (2008)

Trivedi, C. M.\* , Floss, T. et al. (13 Coauthors): Hdac2 regulates the cardiac hypertrophic response by modulating Gsk3 beta activity. Nat. Med. 13 (3), 324-331 (2007)

Tsolakidou, A.\* , Trümbach, D., Panhuysen, M.\* , Pütz, B.\* , Deussing, J.\* , Wurst, W., Sillaber, I.\* , Holsboer, F.\* , Rein, T.\*: Acute stress regulation of neuroplasticity genes in mouse hippocampus CA3 area - possible novel signalling pathways. Mol. Cell. Neurosci. 38 (3), 444-452 (2008)

Uetzmann, L., Burtscher, I., Lickert, H.: A mouse line expressing Foxa2-driven Cre recombinase in node, notochord, floorplate, and endoderm. Genesis 46 (10), 515-522 (2008)

Uez, N., Lickert, H., Kohlhase, J.\* , Hrabe de Angelis, M., Kühn, R., Wurst, W., Floss, T.: Sall4 isoforms act during proximal-distal and anterior-posterior axis formation in the mouse embryo. Genesis 46 (9), 463-477 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

Varnek, A.\*, Fourches, D.\*, Horvath, D.\*, Klimchuk, O.\*, Gaudin, C.\*, Vayer, P.\*, Solov'ev, V.\*, Hoonakker, F.\*, Tetko, I.V., Marcou, G.\*: ISIDA - Platform for virtual screening based on fragment and pharmacophoric descriptors. *Current Computer-Aided Drug Design* 4 (3), 191-198 (2008)

Vinegoni, C.\*, Pitsouli, C.\*, Razansky, D., Perrimon, N.\*, Ntziachristos, V.: In vivo imaging of *Drosophila melanogaster* pupae with mesoscopic fluorescence tomography. *Nat. Methods* 5 (1), 45-47 (2008)

Volkman, K., Rieger, S., Babaryka, A., Köster, R.W.: The zebrafish cerebellar rhombic lip is spatially patterned in producing granule cell populations of different functional compartments. *Dev. Biol.* 313 (1), 167-180 (2008)

von Eisenhart-Rothe, R.\*, Müller-Gerbl, M.\*, Wiedemann, E.\*, Englmeier, K.-H., Graichen, H.\*: Functional malcentering of the humeral head and asymmetric long-term stress on the glenoid: potential reasons for glenoid loosening in total shoulder arthroplasty. *J. Shoulder Elbow Surg.* 17 (5), 695-702 (2008)

Waegelé, B., Dunger-Kaltenbach, I., Fobo, G., Montrone, C., Mewes, H.W., Ruepp, A.: CRONOS: the cross-reference navigation server. *Bioinformatics* 25 (1), 141-143 (2008)

Waegelé, B., Schmidt, T.\*, Mewes, H.W., Ruepp, A.: OREST : the online resource for EST analysis. *Nucleic Acids Res.* 36 (Web Server Issue), W140-W144 (2008)

Walter, M.C. et al. (13 Coauthors): Pedant covers all complete RefSeq genomes. *Nucleic Acids Res.* 37 (Sp. Iss. SI ), 1-4 (2008)

Watanabe, H.\*, Pfeufer, A. et al. (18 Coauthors): Sodium channel beta1 subunit mutations associated with Brugada syndrome and cardiac conduction disease in humans. *J. Clin. Invest.* 118 (6), 2260-2268 (2008)

Wermter, A.-K.\*, Lichtner, P. et al. (13 Coauthors): Preferential reciprocal transfer of paternal/maternal DLK1 alleles to obese children : first evidence of polar overdominance in humans. *Eur. J. Hum. Genet.* 16 (9), 1126-1134 (2008)

Winner, B.\*, Rockenstein, E.\*, Lie, D.C., Aigner, R.\*, Mante, M.\*, Bogdahn, U.\*, Couillard-Despres, S.\*, Masliah, E.\*, Winkler, J.\*: Mutant alpha-synuclein exacerbates age-related decrease of neurogenesis. *Neurobiol. Aging* 29 (6), 913-925 (2008)

Wong, P. et al. (13 Coauthors): An evolutionary and structural characterization of mammalian protein complex organization. *BMC Genomics* 9 (1): 629 (2008)

Wong, P., Frishman, D.: Designability and Disease. *Methods in Molecular Biology*; Vol. 484: Functional Proteomics, Chen, E.H. [Ed.], Totowa, NJ : Humana Press, 491-504 (2008)

Yang, P.\*, Koopmann, T.T.\*, Pfeufer, A., Jalilzadeh, S., Schulze-Bahr, E.\*, Kääh, S.\*, Wilde, A.A.\*, Roden, D.M.\*, Bezzina, C.R.\*: Polymorphisms in the cardiac sodium channel promoter displaying variant in vitro expression activity. *Eur. J. Hum. Genet.* 16 (3), 350-357 (2008)

Zhu, H.\*, Tropsha, A.\*, Fourches, D.\*, Varnek, A.\*, Papa, E.\*, Gramatica, P.\*, Oberg, T.\*, Dao, P., Cherkasov, A.\*, Tetko, I.V.: Combinatorial QSAR modeling of chemical toxicants tested against *Tetrahymena pyriformis*. *J. Chem. Inf. Model.* 48 (4), 766-784 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Comparative Genomics

---

- Ziegler, D.\*, Zentai, C.P.\*, Perz, S., Rathmann, W.\*, Haastert, B.\*, Döring, A., Meisinger, C., KORA Study Group: Prediction of mortality using measures of cardiac autonomic dysfunction in the diabetic and nondiabetic population: the MONICA/KORA Augsburg Cohort Study. *Diabetes Care* 31 (3), 556-561 (2008)
- Zimprich, F.\*, Stogmann, E.\*, Bonelli, S.\*, Baumgartner, C.\*, Mueller, J.C.\*, Meitinger, T., Zimprich, A.\*, Strom, T.M.: A functional polymorphism in the SCN1A gene is not associated with carbamazepine dosages in Austrian patients with epilepsy. *Epilepsia* 49 (6), 1108-1109 (2008)
- Zirn, B.\*, Hempel, M.\*, Hahn, A.\*, Neubauer, B.\*, Wagenstaller, J., Rivera-Brugues, N., Strom, T. M., Koehler, A.\*: Polyneuropathy, Scoliosis, Tall Stature, and Oligodontia Represent Novel Features of the interstitial 6p Deletion Phenotype. *Am. J. Med. Genet. A* 146A, 2960-2965 (2008)
- Zischka, H., Kinkl, N., Braun, R.J., Ueffing, M.: Purification of *Saccharomyces cerevisiae* mitochondria by zone electrophoresis in a free flow device. *Methods Mol. Biol.* 432, 51-64 (2008)
- Zolotukhin, A.S.\*, Schneider, R., Uranishi, H.\*, Bear, J.\*, Tretyakova, I.\*, Michalowski, D.\*, Smulevitch, S.\*, O'Keeffe, S., Pavlakis, G.N., Felber, B.K.\*: The RNA transport element RTE is essential for IAP LTR-retrotransposon mobility. *Virology* 377 (1), 88-99 (2008)
- zu Castell, W.: Generalized Bessel functions for p-radial functions. *Constr. Approx.* 27 (2), 217-235 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Akagi, J., Zsolnay, A.: Effects of long-term de-vegetation on the quantity and quality of water extractable organic matter (WEOM): Biogeochemical implications. *Chemosphere* 72 (10), 1462-1466 (2008)

Aly, M.A.\*, Schröder, P.: Effect of herbicides on glutathione S-transferases in the earthworm, *Eisenia fetida*. *Environ. Sci. Pollut. Res. Int.* 15 (2), 143-149 (2008)

Anneser, B., Einsiedl, F., Meckenstock, R.U., Richters, L.\*, Wisotzky, F.\*, Griebler, C.: High-resolution monitoring of biogeochemical gradients in a tar oil-contaminated aquifer. *Appl. Geochem.* 23 (6), 1715-1730 (2008)

Anneser, B., Richters, L.\*: Application of high-resolution groundwater sampling in a tar oil-contaminated sandy aquifer. *Studies on small-scale abiotic gradients. Advances in Subsurface Pollution of Porous Media: Indicators, Processes and Modelling*, Candela, L.; Vadillo, I.; Elorza, F.J. [Eds.], Leiden, NL : CRC Press, 107-122 (2008)

Aulakh, J.S.\*, Fekete, A., Malik, A.K.\*, Schmitt-Kopplin, P., Mahajan, R.K.\*: Determination of quats in beverages and urine samples by capillary zone electrophoresis. *Ann. Chim.* 97, 1157-1167 (2007)

Barriuso, J.\*, Ramos Solano, B.\*, Fray, R.G.\*, Cámara, M.\*, Hartmann, A., Gutiérrez Manero, F.J.\*: Transgenic tomato plants alter quorum sensing in plant growth-promoting rhizobacteria. *Plant Biotechnol. J.* 6 (5), 442-452 (2008)

Bastida, F.\*, Zsolnay, A., Hernández, T., Garcia, C.\*: Past, present and future of soil quality indices : A biological perspective. *Geoderma* 147 (3-4), 159-171 (2008)

Battke, F., Ernst, D., Fleischmann, F.\*, Halbach, S.: Phytoreduction and volatilization of mercury by ascorbate in *Arabidopsis thaliana*, European beech and Norway spruce. *Appl. Geochem.* 23 (3), 494-502 (2008)

Battke, F., Leopold, K.\*, Maier, M.\*, Schmidhalter, U.\*, Schuster, M.\*: Palladium exposure of barley: uptake and effects. *Plant Biol. (Stuttg.)* 10 (2), 272-276 (2008)

Bauer, R.D., Maloszewski, P., Zhang, Y.\*, Meckenstock, R.U., Griebler, C.: Mixing-controlled biodegradation in a toluene plume - Results from two-dimensional laboratory experiments. *J. Contam. Hydrol.* 96 (1-4), 150-168 (2008)

Bausenwein, U., Gattinger, A., Langer, U.\*, Embacher, A., Hartmann, H.-P., Sommer, M.\*, Munch, J.C., Schloter, M.: Exploring soil microbial communities and soil organic matter: Variability and interactions in arable soils under minimum tillage practice. *Agric., Ecosyst. Environ., Appl. Soil Ecol.* 40 (1), 67-77 (2008)

Bernstein, A.\*, Ronen, Z.\*, Adar, E.\*, Nativ, R.\*, Lowag, H., Stichler, W., Meckenstock, R.U.: Compound-specific Isotope analysis of RDX and stable isotope fractionation during aerobic and anaerobic Bbiodegradation. *Environ. Sci. Technol.* 42 (21), 7772-7771 (2008)

Bobu, M.\*, Yediler, A., Siminiceanu, I.\*, Schulte-Hostede, S.: Degradation studies of ciprofloxacin on a pillared iron catalyst. *Appl. Catal. B* 83 (1-2), 15-23 (2008)

Brüggemann, R.\*, Restrepo, G.\*, Voigt, K.: Towards a New and Advanced Partial Order Program: Pyhasse. *Multicriteria Ordering and Ranking: Partial orders, ambiguities and applied issues*, Owsinski, J.W.; Brüggemann, R. [Eds.], Warsaw : Polish Academy of Sciences, 11-33 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Brüggemann, R.\* , Voigt, K., Pudenz, S.\*: Partial Ordering and Hasse Diagrams: Applications in Chemistry and Software. Data Handling in Science and Technology; Vol. 27, Scientific Data Ranking Methods, Theory and Applications, Pavan, M.; Todeschini, R. [Eds.], Amsterdam : Elsevier, 73-95 (2008)

Brüggemann, R.\* , Voigt, K., Restrepo, G.\* , Simon, U.\*: The concept of stability fields and hot spots in ranking of environmental chemicals. Environ. Modell. Softw. 23 (8), 1000-1012 (2008)

Brüggemann, R.\* , Voigt, K.: Basic principles of Hasse diagram technique in chemistry. Comb. Chem. High Throughput Screen. 11 (9), 756-769 (2008)

Chen, J.\* , Schmitt-Kopplin, P. et al. (10 Coauthors): Practical approach for the identification and isomer elucidation of biomarkers detected in a metabonomic study for the discovery of individuals at risk for diabetes by integrating the chromatographic and mass spectrometric information. Anal. Chem. 80 (4), 1280-1289 (2008)

Cok, I.\* , Dönmez, M.K.\* , Satiroglu, M.H.\* , Aydinuraz, B.\* , Henkelmann, B., Shen, H.\* , Kotalik, J., Schramm, K.-W.: Concentrations of polychlorinated dibenzo-p-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs), and dioxin-like PCBs in adipose tissue of infertile men. Arch. Environ. Contam. Toxicol. 55 (1), 143-152 (2008)

Coon, J.J.\* , Frommberger, M. et al. (23 Coauthors): CE-MS analysis of the human urinary proteome for biomarker discovery and disease diagnostics. Proteomics Clin. Appl. 2 (7-8), 964-973 (2008)

Danielopol, D.L.\* , Griebler, C., Gunatilaka, A.\* , Hahn, H.J.\* , Gibert, J.\* , Mermillod-Blondin, F.\* , Messana, G.\* , Notenboom, J.\* , Sket, B.\*: Incorporation of groundwater ecology in Environmental policy. Groundwater Science and Policy: An International Overview, Quevauvieller, P. [Ed.], Cambridge, UK : RSC Publ., 671-689 (2008)

Danielopol, D.L.\* , Griebler, C.: Changing Paradigms in Groundwater Ecology - from the 'Living Fossils' Tradition to the 'New Groundwater Ecology'. Int. Rev. Hydrobiol. 93 (4-5), 565-577 (2008)

Dittmar, T.\* , Koch, B.\* , Hertkorn, N., Kattner, G.\*: A simple and efficient method for the solid-phase extraction of dissolved organic matter (SPE-DOM) from seawater. Limnol Oceanogr Methods 6, 230-235 (2008)

Don, A.\* , Steinberg, B.\* , Schöning, I.\* , Pritsch, K., Joschko, M.\* , Gleixner, G.\* , Schulze, E.-D.\*: Organic carbon sequestration in earthworm burrows. Soil Biol. Biochem. 40 (7), 1803-1812 (2008)

Einsiedl, F., Mayer, B.\* , Schäfer, T.\*: Evidence for incorporation of H<sub>2</sub>S in groundwater fulvic acids from stable isotope ratios and sulfur K-edge X-ray absorption near edge structure spectroscopy. Environ. Sci. Technol. 42 (1), 2439-2444 (2008)

Eissen, M.\* , Lenoir, D.: Electrophilic bromination of alkenes: environmental, health and safety aspects of new alternative methods. Chemistry 14 (32), 9830-9841 (2008)

Elsner, M., Chartrand, M.\* , Van Stone, N.\* , Lacrampe-Couloume, G.\* , Sherwood Lollar, B.\*: Identifying Abiotic Chlorinated Ethene Degradation : Characteristic Isotope Patterns in Reaction Products with Nanoscale Zero-Valent Iron. Environ. Sci. Technol. 42 (16), 5963-5970 (2008)

Elsner, M., Hunkeler, D.\*: Evaluating chlorine isotope effects from isotope ratios and mass spectra of polychlorinated molecules. Anal. Chem. 80 (12), 4731-4740 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Embacher, A., Zsolnay, A., Gattinger, A., Munch, J.C.: The dynamics of water extractable organic matter (WEOM) in common arable topsoils : II. Influence of mineral and combined mineral and manure fertilization in a Haplic Chernozem. *Geoderma* 148 (1), 63-69 (2008)

Euringer, K., Lueders, T.: An optimised PCR/T-RFLP fingerprinting approach for the investigation of protistan communities in groundwater environments. *J. Microbiol. Methods* 75 (2), 262-268 (2008)

Fekete, A., Lahaniatis, M.\*, Lintelmann, J., Schmitt-Kopplin, P.: Determination of aliphatic Low-Molecular-Weight and biogenic amines by capillary zone electrophoresis. *Methods in Molecular Biology* ; Vol. 384, *Capillary Electrophoresis: Methods and Protocols*, Schmitt-Kopplin, P. [Ed.], Totowa, NJ : Humana Press, 65-91 (2008)

Fiedler, S.\*, Höll, B.S.\*, Freibauer, A.\*, Stahr, K.\*, Drösler, M.\*, Schloter, M., Jungkunst, H.F.\*: The relevance of particulate organic carbon (POC) for carbon composition in the pore water of drained and rewetted fens of the 'Donauried' (South-Germany). *Biogeosci. Discuss.* 5, 2049-2073 (2008)

Fiedler, S.\*, Höll, S.\*, Freibauer, A.\*, Stahr, K.\*, Drösler, M.\*, Schloter, M., Jungkunst, H.F.\*: Particulate organic carbon (POC) in relation to other pore water carbon fractions in drained and rewetted fens in Southern Germany. *Biogeosciences* 5, 1615-1623 (2008)

Forczek, S.T.\*, Schröder, P., Weissflog, L.\*, Krüger, G.\*, Rohlenova, J.\*, Matucha, M.\*: Trichloroacetic acid of different origin in Norway spruce needles and chloroplasts. *Biol. Plant.* 52 (1), 177-180 (2008)

Froehlich, K.\*, Kralik, M.\*, Papesch, W.\*, Rank, D.\*, Scheifinger, H.\*, Stichler, W.: Deuterium excess in precipitation of Alpine regions - moisture recycling. *Isotopes Environ. Health Stud.* 44(1), 61-70 (2008)

Frommberger, M., Englmann, M., Schmitt-Kopplin, P.: Practical considerations for the analysis of ionic and neutral organic molecules with capillary electrophoresis/mass spectrometry. *Methods in Molecular Biology* ; Vol. 384, *Capillary Electrophoresis: Methods and Protocols*, Schmitt-Kopplin, P. [Ed.], Totowa, NJ : Humana Press, 135-156 (2008)

Fuka, M. M., Engel, M., Haesler, F., Welzl, G., Munch, J. C., Schloter, M.: Diversity of proteolytic community encoding for subtilisin in an arable field: spatial and temporal variability. *Biol. Fertil. Soils* 45 (2), 185-191 (2008)

Fuka, M.M., Engel, M., Gattinger, A., Bausenwein, U., Sommer, M.\*, Munch, J.C., Schloter, M.: Factors influencing variability of proteolytic genes and activities in arable soils. *Soil Biol. Biochem.* 40 (7), 1646-1653 (2008)

Garrison, A.W.\*, Schmitt-Kopplin, P., Avants, J.K.\*: Analysis of the enantiomers of chiral pesticides and other pollutants in environmental samples by capillary electrophoresis. *Methods in Molecular Biology* ; Vol. 384, *Capillary Electrophoresis: Methods and Protocols*, Schmitt-Kopplin, P. [Ed.], Totowa, NJ : Humana Press, 157-170 (2008)

Gaspar, A., Harir, M., Lucio, M., Hertkorn, N., Schmitt-Kopplin, P.: Targeted borate complex formation as followed with electrospray ionization Fourier transform ion cyclotron mass spectrometry: monomolecular model system and polyborate formation.. *Rapid Commun. Mass Spectrom.* 22 (20), 3119-3129 (2008)

Gayler, S., Grams, T.E.E.\*, Heller, W., Treutter, D.\*, Priesack, E.: A dynamical model of environmental effects on allocation to carbon-based secondary compounds in juvenile trees. *Ann. Bot.* 101 (8), 1089-1098 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Gayler, S., Priesack, E.: PLATHO - a dynamic plant growth model considering competition between individuals and allocation to carbon-based secondary compounds. Second International Symposium on Plant Growth Modeling, Simulation, Visualization and Applications, Fourcaud, T. ; Zhang, X.P. [Eds.], Los Alamitos, CA : IEEE Computer Society, 85-92 (2008)

Gibert, J.\*, Culver, D.C.\*, Gunatilaka, A.\*: Groundwater ecosystems : Human impacts and future management. Aquatic ecosystems, Polunin, N.V.C. [Ed.], Cambridge : University Press, 30-44 (2008)

Goldhammer, T. \*, Einsiedl, F., Blodau, C.\*: In situ determination of sulfate turnover in peatlands : A down-scaled push-pull tracer technique. J. Plant Nutr. Soil Sci. 171, 740-750 (2008)

Gougeon, R.D.\* , Lucio, M. et al. (11 Coauthors): Expressing forest origins in the chemical composition of cooperage oak woods and corresponding wines by using FTICR-MS. Chemistry 15 (3), 600-611 (2008)

Greiner, S. \*, Wang, X., Herrman, R.G.\* , Rauwolf, U. \*, Mayer, K., Haberer, G., Meurer, J.\*: The complete nucleotide sequences of the 5 genetically distinct plastid genomes of *Oenothera*, subsection *Oenothera*: II. A microevolutionary view using bioinformatics and formal genetic data. Mol. Biol. Evol. 25 (9), 2019-2030 (2008)

Greiner, S. \*, Wang, X., Rauwolf, U. \*, Silber, M.V.\* , Mayer, K., Meurer, J.\* , Haberer, G., Herrmann, R.G.\*: The complete nucleotide sequences of the five genetically distinct plastid genomes of *Oenothera*, subsection *Oenothera* : I. Sequence evaluation and plastome evolution. Nucleic Acids Res. 36 (7), 2366-2378 (2008)

Grundmann, S., Dörfler, U., Ruth, B., Loos, C., Wagner, T., Karl, H., Munch, J.-C., Schroll, R.: Mineralization and transfer processes of <sup>14</sup>C-labeled pesticides in outdoor lysimeters. Water Air Soil Pollut.: Focus 8, 177-185 (2008)

Haesler, F., Hagn, A., Frommberger, M., Hertkorn, N., Schmitt-Kopplin, P., Munch, J.C., Schloter, M.: In vitro antagonism of an actinobacterial *Kitasatospora* isolate against the plant pathogen *Phytophthora citricola* as elucidated with ultrahigh resolution mass spectrometry. J. Microbiol. Methods 75 (2), 188-195 (2008)

Hagn, A., Engel, M., Kleikamp, B.\* , Munch, J.C., Schloter, M., Bruns, C.\*: Microbial community shifts in *Pythium ultimum* -inoculated suppressive substrates. Biol. Fertil. Soils 44 (3), 481-490 (2008)

Harir, M., Gaspar, A., Kanawati, B., Fekete, A., Frommberger, M., Martens, D.\* , Kettrup, A.\* , El Azzouzi, M.\* , Schmitt-Kopplin, P.: Photocatalytic reactions of imazamox at TiO<sub>2</sub>, H<sub>2</sub>O<sub>2</sub> and TiO<sub>2</sub>/H<sub>2</sub>O<sub>2</sub> in water interfaces: Kinetic and photoproducts study. Appl. Catal. B 84 (3-4), 524-532 (2008)

Hartmann, A., Rothballer, M., Schmid, M.: Lorenz Hiltner, a pioneer in rhizosphere microbial ecology and soil bacteriology research. Plant Soil 312 (1-2), 7-14 (2008)

Hertkorn, N., Frommberger, M., Witt, M.\* , Koch, B. P.\* , Schmitt-Kopplin, P., Perdue, E. M.\*: Natural Organic Matter and the Event Horizon of Mass Spectrometry. Anal. Chem. 80 (23), 8908-8919 (2008)

Huic Babic, K., Schauss, K., Hai, B., Sikora, S.\* , Redzepovic, S.\* , Radl, V., Schloter, M.: Influence of different *Sinorhizobium meliloti* inocula on abundance of genes involved in nitrogen transformations in the rhizosphere of alfalfa (*Medicago sativa* L.). Environ. Microbiol. 10 (11), 2922-2930 (2008)

Johannes, J., Bluschke, A.\* , Jehmlich, N.\* , von Bergen, M.\* , Boll, M.\*: Purification and characterization of active-site components of the putative p-cresol methylhydroxylase membrane complex from *Geobacter metallireducens*. J. Bacteriol. 190 (19), 6493-6500 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Kämpfer, P.\* , Sessitsch, A.\* , Schloter, M., Huber, B.\* , Busse, H.J.\* , Scholz, H.C.\*: *Ochrobactrum rhizosphaerae* sp. nov. and *Ochrobactrum thiophenivorans* sp. nov., isolated from the environment. *Int. J. Syst. Evol. Microbiol.* 58 (6), 1426-1431 (2008)

Khan, K.S.\* , Gattinger, A., Buegger, F., Schloter, M., Joergensen, R.G.\*: Microbial use of organic amendments in saline soils monitored by changes in the <sup>13</sup>C/<sup>12</sup>C ratio. *Soil Biol. Biochem.* 40 (5), 1217-1224 (2008)

Klier, C., Grundmann, S., Gayler, S., Priesack, E.: Modelling the environmental fate of the herbicide glyphosate in soil lysimeters. *Water Air Soil Pollut.: Focus* 8 (2), 187-207 (2008)

Klotz, D.: Auswirkungen des Extremjahres 2003 auf den Wasserhaushalt von Böden. *Wasserwirtschaft* 5, 16-20 (2008)

Koeniger, P.\* , Schwientek, M., Uhlenbrook, S.\* , Leibundgut, Ch.\* , Krause, W.J.\*: Tritium balance in macro-scale river basins analysed through distributed hydrological modelling. *Hydrol. Process.* 22 (5), 567-576 (2008)

Kotzerke, A.\* , Sharma, S., Schauss, K., Heuer, H.\* , Thiele-Bruhn, S.\* , Smalla, K.\* , Wilke, B.M.\* , Schloter, M.: Alterations in soil microbial activity and N-transformation processes due to sulfadiazine loads in pig-manure. *Environ. Pollut.* 153 (2), 315-322 (2008)

Krämer, P.M., Forster, S., Kremmer, E.: Enzyme-linked immunosorbent assays for the sensitive analysis of 2,4-dinitroaniline and 2,6-dinitroaniline in water and soil. *Anal. Bioanal. Chem.* 391 (5), 1821-1835 (2008)

Krämer, P.M., Gouzy, M.F., Keß, M., Kleinschmidt, U., Kremmer, E.: Development and characterization of new rat monoclonal antibodies for procalcitonin. *Anal. Bioanal. Chem.* 392 (4), 727-736 (2008)

Kreyling, J.\* , Beierkuhnlein, C.\* , Elmer, M.\* , Pritsch, K., Radovski, M.\* , Schloter, M., Wöllecke, J.\* , Jentsch, A.\*: Soil biotic processes remain remarkably stable after 100-year extreme weather events in experimental grassland and heath. *Plant Soil* 308 (1-2), 175-188 (2008)

Kreyling, J.\* , Beierkuhnlein, C.\* , Pritsch, K., Schloter, M., Jentsch, A.\*: Recurrent soil freeze-thaw cycles enhance grassland productivity. *New Phytol.* 177 (4), 938-945 (2008)

Kunapuli, U., Griebler, C., Beller, H.R.\* , Meckenstock, R.U.: Identification of intermediates formed during anaerobic benzene degradation by an iron-reducing enrichment culture. *Environ. Microbiol.* 10 (7), 1703-1712 (2008)

Kuttler, C., Hense, B.A.: Interplay of two quorum sensing regulation systems of *Vibrio fischeri*. *J. Theor. Biol.* 251 (1), 167-180 (2008)

Laali, K.K.\* , Okazaki, T.\* , Bunge, S.D.\* , Lenoir, D.: Stable ion and electrophilic chemistry of the sterically crowded stilbene 1,1'-Bi(benzocyclobutenylidene) and its derivatives. *J. Org. Chem.* 73 (11), 4092-4100 (2008)

Le Roux, X.\* , Poly, F.\* , Currey, P.\* , Commeaux, C.\* , Hai, B., Nicol, G.W.\* , Prosser, J.I.\* , Schloter, M., Attard, E.\* , Klumpp, K.\*: Effects of aboveground grazing on coupling among nitrifier activity, abundance and community structure. *ISME J.* 2 (2), 221-232 (2008)

## Publication List 2008

31.12.2008

(\* external author)

### Biogeosystems: Dynamics, Adaptation and Adjustment

---

- Lehrke, M.\*, Konrad, A.\*, Schachinger, V.\*, Tillack, C.\*, Seibold, F.\*, Stark, R., Parhofer, K.G.\*, Broedl, U.C.\*: CXCL16 is a surrogate marker of inflammatory bowel disease. *Scand. J. Gastroenterol.* 43 (3), 283-288 (2008)
- Li, K.\*, Yediler, A., Yang, M.\*, Schulte-Hostede, S., Wong, M.H.\*: Ozonation of oxytetracycline and toxicological assessment of its oxidation by-products. *Chemosphere* 72 (3), 473-478 (2008)
- Lindermayr, C., Palmeri, C.M., Durner, J.: In silico search for nitric oxide sensitive promoter elements in *Arabidopsis thaliana*. *Plant Signal. Behav.* 3 (10), 827-828 (2008)
- Lindermayr, C., Sell, S., Durner, J.: Generation and Detection of S-Nitrosothiols. *Methods in Molecular Biology Volume 476, Redox-Mediated Signal Transduction*, Hancock, J.T. [Ed.], Totowa, NJ : Humana Press, 217-229 (2008)
- Livaja, M.\*, Zeidler, D.\*, von Rad, U., Durner, J.: Transcriptional responses of *Arabidopsis thaliana* to the bacteria-derived PAMPs harpin and lipopolysaccharide. *Immunobiology* 213 (3-4), 161-171 (2008)
- Livaja, M., Palmieri, M., von Rad, U., Durner, J.: The effect of the bacterial effector protein harpin on transcriptional profile and mitochondrial proteins of *Arabidopsis thaliana*. *J. Proteomics* 71 (2), 148-159 (2008)
- Mancini, S.A.\*, Devine, C.E.\*, Elsner M., Nandi M.E.\*, Ulrich A.C.\*, Edwards E.A.\*, Lollar B.S.\*: Isotopic evidence suggests different initial reaction mechanisms for anaerobic benzene biodegradation.. *Environ. Sci. Technol.* 42 (22), 8290-8296 (2008)
- Mangalo, M., Einsiedl, F., Meckenstock, R.U., Stichler, W.: Influence of the enzyme dissimilatory sulfite reductase on stable isotope fractionation during sulfate reduction. *Geochim. Cosmochim. Acta* 72 (6), 1513-1520 (2008)
- Martinez-Ballesta, M. del C.\*, Bastías, E.\*, Zhu, C., Schäffner, A.R., González-Moro, B.\*, González-Murua, C.\*, Carvajal, M.\*: Boric acid and salinity effects on maize roots. Response of aquaporins ZmPIP1 and ZmPIP2, and plasma membrane H<sup>+</sup>-ATPase, in relation to water and nutrient uptake. *Physiol. Plant.* 132 (4), 479-490 (2008)
- Matyssek, R.\*, Sandermann, H.\*, Wieser, G.\*, Booker, F.\*, Cieslik, S.\*, Musselman, R.\*, Ernst, D.: The challenge of making ozone risk assessment for forest trees more mechanistic. *Environ. Pollut.* 156 (3), 567-582 (2008)
- Meissner, D.\*, Albert, A.\*, Boettcher, C.\*, Strack, D.\*, Milkowski, C.\*: The role of UDP-glucose : hydroxycinnamate glucosyltransferases in phenylpropanoid metabolism and the response to UV-B radiation in *Arabidopsis thaliana*. *Planta* 228 (4), 663-674 (2008)
- Meyer, A.H., Penning, H., Lowag, H., Elsner, M.: Precise and accurate compound specific carbon and nitrogen isotope analysis of atrazine : Critical role of combustion oven conditions. *Environ. Sci. Technol.* 42 (21), 7757-7763 (2008)
- Miracle, A.L.\*, Evans, C.W.\*, Ferguson, E.A.\*, Greenberg, B.\*, Kille, P.\*, Schaeffner, A.R., Sprenger, M.\*, van Aerle, R.\*, Versteeg, D.J.\*: Application of genomic technologies to ecological risk assessment at remediation and restoration sites. *Genomics in Regulatory Ecotoxicology: Applications and Challenges*, Ankley, G.T. et al. [Eds.], Boca Raton : Taylor & Francis, 123-150 (2008)
- Moes, D.\*, Himmelbach, A.\*, Korte, A.\*, Haberer, G., Grill, E.\*: Nuclear localization of the mutant protein phosphatase *abi1* is required for insensitivity towards ABA responses in *Arabidopsis*. *Plant J.* 54 (5), 806-819 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Mueller, J.\*, Kuttler, C., Hense, B. A., Zeiser, S., Liebscher, V.\*: Transcription, intercellular variability and correlated random walk. *Math. Biosci.* 216 (1), 30-39 (2008)

Müller, J.\*, Kuttler, C., Hense, B.A.: Sensitivity of the quorum sensing system is achieved by low pass filtering. *BioSystems* 92 (1), 76-81 (2008)

Müller, J., Brandt, S., Mayerhofer, K.\*, Tjardes, T.\*, Maegele, M.\*: Tolerance and threshold in the extrinsic coagulation system. *Math. Biosci.* 211 (2), 226-254 (2008)

Ogrinc, N.\*, Kanduc, T.\*, Stichler, W., Vreca, P.\*: Spatial and seasonal variations in delta18O and deltaD values in the River Sava in Slovenia. *J. Hydrol.* 359 (3-4), 303-312 (2008)

Olbrich, M., Gerstner, E., Welzl, G.\*, Fleischmann, F.\*, Oßwald, W.\*, Bahnweg, G., Ernst, D.: Quantification of mRNAs and housekeeping gene selection for quantitative real-time RT-PCR normalization in European beech (*Fagus sylvatica* L.) during abiotic and biotic stress. *Z. Naturforsch., C, J. Biosci.* 63 (7-8), 574-582 (2008)

Overmyer, K.\*, Kollist, H.\*, Tuominen, H.\*, Betz, C., Langebartels, C., Wingsle, G.\*, Kangasjärvi, S.\*, Brader, G.\*, Mullineaux, P.\*, Kangasjärvi, J.\*: Complex phenotypic profiles leading to ozone sensitivity in *Arabidopsis thaliana* mutants. *Plant Cell Environ.* 31 (9), 1237-1249 (2008)

Palmieri, M.C., Sell, S., Huang, X., Scherf, M.\*, Werner, T.\*, Durner, J., Lindermayr, C.: Nitric oxide-responsive genes and promoters in *Arabidopsis thaliana* : A bioinformatics approach. *J. Exp. Bot.* 59 (2), 177-186 (2008)

Pandelova, M., Henkelmann, B., Roots, O.\*, Simm, M.\*, Järv, L.\*, Benfenati, E.\*, Schramm, K.-W.: Levels of PCDD/F and dioxin-like PCB in Baltic fish of different age and gender. *Chemosphere* 71 (2), 369-378 (2008)

Penning, H., Cramer, C.J., Elsner, M.: Rate-dependent carbon and nitrogen kinetic Isotope fractionation in hydrolysis of isotopurone. *Environ. Sci. Technol.* 42 (21), 7764-7771 (2008)

Pérez-de-Mora, A., Madejón E.\*, Cabrera, F.\*, Buegger, F., Fuß, R., Pritsch, K., Schloter, M.: Long-term impact of acid resin waste deposits on soil quality of forest areas I. Contaminants and abiotic properties. *Sci. Total Environ.* 406 (1-2), 88-98 (2008)

Pérez-de-Mora, A., Madejón E.\*, Cabrera, F.\*, Buegger, F., Fuß, R., Pritsch, K., Schloter, M.: Long-term impact of acid resin waste deposits on soil quality of forest areas II. Biological indicators. *Sci. Total Environ.* 406 (1-2), 99-107 (2008)

Ping, G.\*, Schmitt-Kopplin, P., Zhang, Y.\*, Baba, Y.\*: Capillary electrochromatography and on-line concentration. *Methods in Molecular Biology ; Vol. 384, Capillary Electrophoresis: Methods and Protocols*, Schmitt-Kopplin, P. [Ed.], Totowa, NJ : Humana Press, 751-769 (2008)

Port, M.\*, Boltze, C.\*, Wang, Y., Röper, B.\*, Meineke, V.\*, Abend, M.\*: A radiation-induced gene signature distinguishes post-Chernobyl from sporadic papillary thyroid cancers. *Radiat. Res.* 168 (6), 639-649 (2007)

Priesack, E., Berkenkamp, A., Gaylor, S., Hartmann, H.P., Loos, C.: Development and application of agroecosystem models. *Perspectives for Agroecosystem Management : Balancing Environmental and Socio-Economic Demands*, Schröder, P.; Pfadenhauer, J. ; Munch, J.C., Amsterdam : Elsevier, 329-349 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Pritsch, K. et al. (15 Coauthors): Plant and soil system responses to ozone after 3 years in a lysimeter study with Juvenile Beech (*Fagus sylvatica* L.). *Water Air Soil Pollut.: Focus* 8, 139-154 (2008)

Rensing, S.A.\* , Gundlach, H. et al. (69 Coauthors): The *Physcomitrella* genome reveals evolutionary insights into the conquest of land by plants. *Science* 319 (5859), 64-69 (2008)

Reth, S., Graf, W., Gefke, O., Schilling, R., Seidlitz, H.K., Munch, J.C.: Whole-year-round observation of N<sub>2</sub>O profiles in soil : A lysimeter study. *Water Air Soil Pollut.: Focus* 8 (2), 129-137 (2008)

Riu, A.\* , Pandelova, M. et al. (11 Coauthors): Characterisation of bioactive compounds in infant formulas using immobilised recombinant estrogen receptor-alpha affinity columns. *Food Chem. Toxicol.* 46 (10), 3268-3278 (2008)

Rolle, M.\* , Bauer, R., Griebler, C., Meckenstock, R., Bauer, S.\* , Kolditz, O.\* , Grathwohl, P\*: Aerobic degradation of a toluene plume in homogeneous and heterogeneous porous media. *GQ07: Securing Groundwater Quality in Urban and Industrial Environments. Proc. 6th International Groundwater Quality Conference*, Trefry, M.G., CSIRO [Ed.], Wallingford : IAHS Press, 356-363 (2008)

Rosselló-Mora, R.\* , Lucio, M., Peña, A.\* , Brito-Echeverría, J.\* , López-López, A.\* , Valens-Vadell, M.\* , Frommberger, M., Antón, J.\* , Schmitt-Kopplin, P.: Metabolic evidence for biogeographic isolation of the extremophilic bacterium *Salinibacter ruber*. *ISME J.* 2 (3), 242-253 (2008)

Rothballer, M., Eckert, B., Schmid, M., Fekete, A., Schloter, M., Lehner, A.\* , Pollmann, S.\* , Hartmann, A.: Endophytic root colonization of gramineous plants by *Herbaspirillum frisingense*. *FEMS Microbiol. Ecol.* 66 (1), 85-95 (2008)

Ruth, B., Grundmann, S., Schroll, R.: Simulation of Exterior Conditions in Permanently Closed Soil Chambers by Controlling Air Flow, Soil Water Content, and Temperature. *Water Air Soil Pollut.: Focus* 8 (2), 243-250 (2008)

Sandermann, H.: Ecotoxicology of ozone : Bioactivation of extracellular ascorbate. *Biochem. Biophys. Res. Commun.* 366 (2), 271-274 (2008)

Sandermann, H.: Ecotoxicology of narcosis: Stereoselectivity and potential target sites. *Chemosphere* 72 (9), 1256-1259 (2008)

Scheel, T.\* , Pritsch, K., Schloter, M., Kalbitz, K.\*: Precipitation of enzymes and organic matter by aluminum - Impacts on carbon mineralization. *J. Plant Nutr. Soil Sci.* 171 (6), 900-907 (2008)

Scherb, H., Voigt, K.: Analytical ecological epidemiology : Exposure-response relations in spatially stratified time series. *Environmetrics* DOI:10.1002/env.958 (2008)

Schloter, M., Schauss, K., Munch, J.C., Radl, V.\* , Hai, B., Gattinger, A.\*: Emission von Treibhausgasen aus landwirtschaftlich genutzten Böden. *BIOspektrum (Heidelb.)* 14 (2), 2-3 (2008)

Schmidt, S.I., Haybach, A.\* , König, B.\* , Schöll, F.X.\* , Koop, J.H.E.\*: Makrozoobenthosbesiedlung und Sedimentumlagerung in Bundeswasserstraßen. *Hydrol. Wasserbewirtsch.* 51 (6), 266-272 (2007)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Schmitt-Kopplin, P., Englmann, M., Rossello-Mora, R.\*, Schiewek, R.\*, Brockmann, K.J.\*, Benter, T.\*, Schmitz, O.J.\*: Combining chip-ESI with APLI (cESILI) as a multimode source for analysis of complex mixtures with ultrahigh-resolution mass spectrometry. *Anal. Bioanal. Chem.* 391 (8), 2803-2809 (2008)

Schmitt-Kopplin, P., Fekete, A.: A semi-empirical approach for a rapid comprehensive evaluation of the electrophoretic behaviors of small molecules in free-zone electrophoresis. *Methods in Molecular Biology*; Vol. 384, *Capillary Electrophoresis: Methods and Protocols*, Schmitt-Kopplin, P. [Ed.], Totowa, NJ : Humana Press, 593-609 (2008)

Schmitt-Kopplin, P., Fekete, A.: The CE way of thinking "All is Relative!". *Methods in Molecular Biology*; Vol. 384, *Capillary Electrophoresis: Methods and Protocols*, Schmitt-Kopplin, P. [Ed.], Totowa, NJ : Humana Press, 611-629 (2008)

Scholz, H.C.\*, Al Dahouk, S.\*, Tomaso, H.\*, Neubauer, H.\*, Witte, A.\*, Schloter, M., Kämpfer, P.\*, Falsen, E.\*, Pfeffer, M.\*, Engel, M.: Genetic diversity and phylogenetic relationships of bacteria belonging to the *Ochrobactrum-Brucella* group by *recA* and 16S rRNA gene-based comparative sequence analysis. *Syst. Appl. Microbiol.* 31 (1), 1-16 (2008)

Schramm, K.-W., Jaser, W., Welzl, G., Pfister, G., Wöhler-Moorhoff, G.F., Hense, B.A.: Impact of 17 $\alpha$ -ethinylestradiol on the plankton in freshwater microcosms-I: Response of zooplankton and abiotic variables. *Ecotoxicol. Environ. Saf.* 69 (3), 437-452 (2008)

Schramm, K.-W.: Hair-biomonitoring of organic pollutants. *Chemosphere* 72 (8), 1103-1111 (2008)

Schröder, P., Daubner, D., Maier, H., Neustifter, J., Debus, R.\*: Phytoremediation of organic xenobiotics - Glutathione dependent detoxification in *Phragmites* plants from European treatment sites. *Bioresour. Technol.* 99 (15), 7183-7191 (2008)

Schröder, P., Herzig, R.\*, Bojinov, B.\*, Ruttens, A.\*, Nehnevajova, E.\*, Stamatiadis, S.\*, Memon, A.\*, Vassilev, A.\*, Caviezel, M.\*, Vangronsveld, J.\*: Bioenergy to save the world. Producing novel energy plants for growth on abandoned land. *Environ. Sci. Pollut. Res. Int.* 15 (3), 196-204 (2008)

Schroll, R., Grundmann, S., Dörfler, U., Ruth, B., Munch, J.C.: Lysimeter experiments to investigate the fate of chemicals in soils – Comparison of five different lysimeter systems. *Water Air Soil Pollut.: Focus* 8 (2), 209-216 (2008)

Schwientek, M., Einsiedl, F., Stichler, W., Stögbauer, A.\*, Strauss, H.\*, Maloszewski, P.: Evidence for denitrification regulated by pyrite oxidation in a heterogeneous porous groundwater system. *Chem. Geol.* 255 (1-2), 60-67 (2008)

Sell, S., Lindermayr, C., Durner, J.: Identification of S-nitrosylated proteins in plants. *Meth. Enzymol.* 440, 283-293 (2008)

Seyfarth, M.\*, Reth, S.: Lysimeter soil retriever (LSR)— An application of a new technique for retrieving soils from lysimeters. *Water Air Soil Pollut.: Focus* 8 (2), 227-231 (2008)

Sharma, M.\*, Schmid, M. et al. (10 Coauthors): Detection and identification of bacteria intimately associated with fungi of the order *Sebacinales*. *Cell. Microbiol.* 10 (11), 2235-2246 (2008)

Shen, H.\*, Main, K.M.\*, Andersson, A.M.\*, Damgaard, I.N.\*, Virtanen, H.E.\*, Skakkebaek, N.E.\*, Toppari, J.\*, Schramm, K.-W.: Concentrations of persistent organochlorine compounds in human milk and placenta are higher in Denmark than in Finland. *Hum. Reprod.* 23 (1), 201-210 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Sommer, A.\*, Geist, B., Da Ines, O., Gehwolf, R.\*, Schäffner, A. R., Obermeyer, G.\*: Ectopic expression of *Arabidopsis thaliana* plasma membrane intrinsic protein 2 aquaporins in lily pollen increases the plasma membrane water permeability of grain but not of tube protoplasts. *New Phytol.* 180 (4), 787-797 (2008)

Stichler, W., Maloszewski, P., Bertleff, B.\*, Watzel, R.\*: Use of environmental isotopes to define the capture zone of a drinking water supply situated near a dredge lake. *J. Hydrol.* 362 (3-4), 220-233 (2008)

Stögbauer, A.\*, Strauss, H.\*, Arndt, J.\*, Marek, V.\*, Einsiedl, F., Geldern, R.V.\*: Rivers of North Rhine Westphalia revisited. *Appl. Geochem.* 23(12), 3290-3304 (2008)

Stumpp, C., Fank, J.\*, Stichler, W., Fank, J.; Lanthaler, C. [Eds.]: Hydrologische Modellierung auf der Lysimeterskala: 4.1. Identifizierung von Heterogenitäten des Wassertransports in der ungesättigten Zone von Lysimetern. Internationale MMM-Konferenz: Beiträge zur Hydrogeologie, Volume 56, Graz, Österreich : Johanneum Research Forschungsgesellschaft mbH, 109-114 (2008)

Stumpp, C.: Quantification of heterogeneity in the unsaturated flow using environmental isotopes. *Freiburger Schriften zur Hydrologie ; Bd. 26, Freiburg i. Br. : Universität Freiburg, 112 S. (2008)*

Stupp, H.D.\*, Gass, M.\*, Bakenhus, A.\*, Anneser, B., Richters, L.\*, Griebler, C.: Ausbreitung von BTEX im Grundwasser : neue Aspekte zur zukünftigen Beurteilung von Natural Attenuation. *altlasten spektrum 1, 16-23 (2008)*

Tanaka, T.\*, Haberer, G. et al. (90 Coauthors): The Rice Annotation Project Database (RAP-DB): 2008 update. *Nucleic Acids Res.* 36 (Database Issue), D1028-D1033 (2008)

Tolun, L.\*, Telli-Karakoc, F.\*, Henkelmann, B., Schramm, K.-W., Okay, O.S.\*: PCB pollution of Izmit Bay (Marmara Sea) mussels after the earthquake. *NATO Science for Peace and Security Series C: Environmental Security, The Fate of Persistent Organic Pollutants in the Environment. Proceedings of the NATO Advanced Research Workshop, Mehmetli, E; Koumanova, B. [Eds.], 127-139 (2008)*

Ud-Daulla, A., Pfister, G., Schramm, K.W.: Growth inhibition and biodegradation of catecholamines in the ciliated protozoan *Tetrahymena pyriformis*. *J. Environ. Sci. Health A Tox. Hazard. Subst. Environ. Eng.* 43 (14), 1610-1617 (2008)

Uslu, M.Ö.\*, Yediler, A., Balcioglu, I.A.\*, Schulte-Hostede, S.: Analysis and sorption behavior of fluoroquinolones in solid matrices. *Water Air Soil Pollut.* 190 (1-4), 55-63 (2008)

Van Stone, N.\*, Elsner, M., Lacrampe-Couloume, G.\*, Mabury, S.\*, Sherwood Lollar, B.\*: Potential for identifying abiotic chloroalkane degradation mechanisms using carbon isotopic fractionation. *Environ. Sci. Technol.* 42, 126-132 (2008)

Voigt, K., Brüggemann, R.\*, Schramm, K.-W., Kirchner, M.: PYHASSE a new software for partially ordered sets: Ranking soil against needles. *Multicriteria Ordering and Ranking : Partial orders, ambiguities and applied issues, Owsinski, J.W. ; Brüggemann, R. [Eds.], 35-45 (2008)*

Voigt, K., Brüggemann, R.\*, Schramm, K.-W., Kirchner, M.: PYHASSE a new software tool for partially ordered sets example : Ranking of contaminated regions in the Alps. *Environmental Informatics and Industrial Ecology. Proceedings of the 22. International Conference Environmental Informatics - Informatics of environmental protection, sustainable development and risk management, Aachen : Shaker, 631-636 (2008)*

Voigt, K., Brüggemann, R.\*: Ranking of Pharmaceuticals Detected in the Environment: Aggregation and Weighting Procedures. *Comb. Chem. High Throughput Screen.* 11 (10), 770-782 (2008)

# Publication List 2008

31.12.2008

(\* external author)

## Biogeosystems: Dynamics, Adaptation and Adjustment

---

Voigt, K., Studzinski, J.\*, Pillmann, W.\*: *EnviroInfo 2007: Environmental informatics and systems research - Warsaw, Poland, September 12-14, 2007. Environ. Sci. Pollut. Res. Int.* 15 (2), 170-171 (2008)

Voigt, K.: Environmental protection, sustainable development and risk management with emphasis on environmental chemicals. *International Congress on Environmental Modelling and Software iEMSs 2008. Vol.1: Integrating Sciences and Information Technology for Environmental Assessment and Decision Making*, Sanchez-Marre, M. et al. [Eds.], 7-11 (2008)

Voigt, K.: Environmental informatics, environmetrics, chemoinformatics, chemometrics : Integration or separation? *International Congress on Environmental Modelling and Software iEMSs 2008. Vol.3: Integrating Sciences and Information Technology for Environmental Assessment and Decision Making*, Sanchez-Marre, M. et al. [Eds.], 1594-1601 (2008)

von Rad, U., Klein, I., Dobrev, P. I.\*, Kottova, J.\*, Zazimalova, E.\*, Fekete, A., Hartmann, A., Schmitt-Kopplin, P., Durner, J.: Response of *Arabidopsis thaliana* to N-hexanoyl-DL-homoserine-lactone, a bacterial quorum sensing molecule produced in the rhizosphere. *Planta* 229 (1), 73-85 (2008)

Wagner, T., Arango Isaza, L.M., Grundmann, S., Dörfler, U., Schroll, R., Schloter, M., Hartmann, A., Sandermann, H., Ernst, D.: The probability of a horizontal gene transfer from Roundup Ready soybean to root symbiotic bacteria: A risk assessment study on the GSF lysimeter station. *Water Air Soil Pollut.: Focus* 8, 155-162 (2008)

Wang, Y.\*, Schmitt-Kopplin, P. et al. (14 Coauthors): Metabonomics study on the effects of the ginsenoside Rg3 in a beta-cyclodextrin-based formulation on tumor-bearing rats by a fully automatic hydrophilic interaction/reversed-phase column-switching HPLC-ESI-MS approach. *Anal. Chem.* 80 (12), 4680-4688 (2008)

Wendehenne, D.\*, Gould, K.\*, Lamotte, O.\*, Durner, J., Vandelle, E.\*, Lecourieux, D.\*, Courtois, C.\*, Barnavon, L.\*, Bentejac, M.\*, Pugin, A.\*: NO signaling functions in the biotic and abiotic stress responses. *BMC Plant Biol.* 5:S35, 1-2 (2005)

Winderl, C., Anneser, B., Griebler, C., Meckenstock, R.U., Lueders, T.: Depth-resolved quantification of anaerobic toluene degraders and aquifer microbial community patterns in distinct redox zones of a tar oil contaminant plume. *Appl. Environ. Microbiol.* 74 (3), 792-801 (2008)

Yevdokimov, I.\*, Gattinger, A.\*, Buegger, F., Munch, J.C., Schloter, M.: Changes in microbial community structure in soil as a result of different amounts of nitrogen fertilization. *Biol. Fertil. Soils* 44 (8), 1103-1106 (2008)

Zhu, X.\*, Pfister, G., Henkelmann, B., Kotalik, J., Bernhöft, S., Fiedler, S., Schramm, K.-W.: Simultaneous monitoring of profiles of polycyclic aromatic hydrocarbons in contaminated air with semipermeable membrane devices and spruce needles. *Environ. Pollut.* 156 (2), 461-466 (2008)