Program Pasteur – BNMRZ Workshop
Helmholtz Zentrum München, Friday, June 17, 2016
Bld 33, Large Lecture Hall 1st floor, Room 106

9:25 Welcome - Michael Nilges & Michael Sattler

Session 1 – Methods (Chair Michael Sattler)
9:30 Steffen Glaser Cooperative Pulses
9:50 Thomas Heydenreich (Glaser) Optimal multiple-quantum excitation
10:10 Sam Asami (Sattler) Next Generation Excitation Pulses
10:30 Thi-Thoa Nguyen (Glaser) Optimization of relaxation-dispersion experiments

10:50-11:20 COFFEE BREAK

11:20 Zdenek Tosner (Reif) Optimal Control and NMR probe characteristics
11:40 Balint Koczor/David Leiner (Glaser) DROPS representation of spin operators

Session 2 – Fibrils & Membrane proteins (Chair Michael Nilges)
11:50 Diana Rodriguez (Reif) The redox environment in Type II Diabetes β-cells triggers conformational changes in hIAPP and influences its aggregation
12:10 Franz Hagn Development of phospholipid nanodiscs for structural biology
12:30 Nadia Izadi-Pruneyre (Delepierre) Structural basis of the signaling through a bacterial membrane receptor HasR deciphered by an integrative approach

12:50 – 14:00 LUNCH in HMGU Cantine

14:00 Bruno Miroux Refolding mitochondrial carriers and GPCRs for NMR studies
14:20 David Goricancec (Hagn) Conformational dynamics of a G-protein-alpha subunit

Session 3 – Computation (Chair Carlo Camilloni)
14:40 Bradley Worley (Nilges) Accelerated MaxEnt for NUS NMR
15:00 Thérèse Malliavin (Nilges) The interval branch-and-prune algorithm for the resolution of the molecular Distance Geometry problem: toward an application to real-life protein structure determination by NMR
15:20 Alexander Jussupow (Camilloni) Towards an accurate determination of the dynamics of large systems using coarse grain models and SAXS
15:40-16:10  **COFFEE BREAK**

**Session 4 – Protein structure, dynamics & drug design** (Chair Bernd Reif)

16:10  Hyun-Seo Kang (Sattler)  *Conformational control of 3’ splice site recognition*

16:30  Florent Delhommel (Delepierre)  *Structural study of Whirlin, a crucial PDZ containing protein involved in the mechanotransduction of auditory hair cells*

16:50  Christoph Göbl (Madl)  *Redox control of the p16 tumor suppressor*

17:10  Manuel Hora (Reif)  *VL Light Chain protein in AL-Amyloidosis*

17:30  Grzegorz Popowicz (Sattler)  *Structure-based discovery of novel trypanocidal compounds*

17:50-19:30  **Poster Session with Beer & Bretzel**