



Cholpon Zhakshylykova is studying Molecular Medicine at the University of Tübingen, in Germany. She participated in the 2018 Summer Internship Programme in the group of Robert Schneider at the Institute of Functional Epigenetics. Here she explains a little bit about her overall experience on the programme and the skills she learned.

How would you describe your overall Summer Internship Programme experience at Helmholtz Zentrum München this summer?



The time spent at Helmholtz Zentrum München was extremely helpful. During my internship stay at Helmholtz Zentrum München I was surrounded by very friendly colleagues, who guided me throughout lab routine and encouraged me with edifying talks.

Could you explain a little bit about your project and the skills you have learnt during your internship?



I was involved in a project related to histone modifications and their role in cancer. It is amazing how complex our genome is and how histone modifications can lead to changes in gene expression. From the first day of being involved in this project, my journey of learning new things had begun. I have learned how to culture embryonic stem cells and what factors can influence their naïve and primed states or induce them to express desired genes. Additionally, I have learned how to use devices like Qubit, Bioanalyzer for the quantification of cellular materials. Of course, I did not learn all these on my own, but through the kind and patient guidance of my supervisor and advice of my group leader Robert Schneider. I would like to thank them both very much!