

Linz Winter School 2011
1.-3.2.2011

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XIII. Annual Linz Winter Workshop
4.-7.2.2011

Johannes Kepler University Linz, Austria

Hands-on winter school and winter workshop were organized by Institute for Biophysics of Johannes Kepler University Linz with Agilent Technologies one of the main organizing sponsors. The conference was held at the Johannes Kepler University Linz in Austria, and it was aimed for biophysicists, pharmaceutical research scientists, molecular biologists and structural biochemists.

Hands-on winter school was an optional session aimed for young scientists and new comers to learn single-molecule imaging techniques using atomic force spectroscopy (AFM), optical microscopy and fluorescence spectroscopy. The techniques were first introduced in the talks of the first day of winter school. The second day consisted of 10 different demos, each lasting 30 minutes. On the last day attendees were able to do some measurements with their own samples, and learn more about the techniques in practical. In addition, there was an excursion into a firm, CBL (Center for Advanced Bioanalysis).

XIII Annual Linz Winter Workshop consisted of 12 sessions with different themes including e.g. cell signaling and motility; biomolecular dynamics and mechanisms; cellular and DNA structure and their dynamics; advances in nanoscopy; and single molecule force spectroscopy. Altogether 60 talks were heard, and 78 posters were present. The posters were divided into eight different categories, and I also presented my poster in the meeting. The aims of the three day conference were to address the best and the newest developments in biological single-molecule research, nano-science, nano-medicine, and bio-nanotechnology, and also to provide a common platform for industry and academia.

Each evening included a social event offering nice opportunities to get to know and talk with other workshop participants. In addition, there was an optional skiing day on Fri 4th of February between the winter school and workshop.

The conference was interesting and well organized, and gave me a lot of inspiration and many new ideas. I learned a lot during the week.

I thank ISB for the financial support.

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