AFM BioMed 2011
August 23-27, 2011

AFM BioMed conference the 4th International Meeting on AFM in Life Sciences and Medicine was organized during 23-27 August 2011 in Paris, France. It is focused on all aspects related to life sciences and nanomedicine applications and provides insights to how Atomic Force Microscopy (AFM) solves relevant biological problems and provides innovative solutions for healthcare. The conferences provide a common platform for academic and industrial experts in life science and technology development. The meeting provided a clear and comprehensive overview on advances in this field through keynote presentations, lectures, poster sessions and workshops. Topics include single molecules, membrane, and cell biology and nanomedicine studies combining imaging and affinity measurements. Presentations stress the impact of AFM techniques in life sciences and nanomedicine. The meetings act as a forum to promote innovative multidisciplinary research and highlight the power of integrating AFM with other optical and analytical techniques. My primary interest was with multimodal instrument combinations.

As AFM was the main topic most of the presentations were AFM data. The conference provided a number of possibilities to better utilize our AFM data to gain more information on cell behaviour and properties.

My goal in the meeting was to present a poster ”Multimodal Imaging of Osteoclast Binding”, publicise the instruments of Turku Bioimaging and find possibilities for new collaborations. The poster attracted a fair bit of interest and I had interesting discussions with one of the pioneers of multimodal super-resolution AFM instrument developers Dr. Lafont from Lille.

The AFM BioMed was organized in a historic academic setting of Institut Curie and it introduced me to latest developments AFM field.

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