Workshop on
Virulence mechanisms of bacteria -diverse hosts, common strategies

October 21, 2015

IBB PAS

10.00-10.10 Opening **Joanna Kruszewska** (Polish Biochemical Society)

Chair: **Jacek Hennig**

10.10-10.50 **Thorsten Nürnberger** (Centre for Plant Molecular Biology, Tübingen, Germany)

"Patterns and Receptors in Plant Immunity"

10.50-11.20 **Izabela Sitkiewicz** (National Medicines Institute, Warsaw, Poland)

"Interplay between host and pathogen - mechanisms of Streptococcal pathogenesis"

11.20-11.50 **Jan Potempa** (Microbiology Department of the Jagiellonian University, Krakow, Poland and University of Louisville, School of Dentistry, USA)

"*Porphyromonas gingivalis*, the master manipulator of innate immunity defenses"

11.50-13.00 Coffee break

Chair: **Thorsten Nürnberger**

13.00-13.30 **Jens Boch** (Leibniz University of Hannover, Germany)

"Microbial virulence factors to manipulate, sabotage, and bioengineer eukaryotic cells"

13.30-14.00 **Magdalena Krzymowska** (Institute of Biochemistry and Biophysics, Warsaw, Poland)

"Ticket scams and stowaways: bacterial effectors traveling around the host cells; the case of HopQ1 from *Pseudomonas syringae*"

14.00-14.30 **Joanna Kozieł** (Microbiology Department of the Jagiellonian University, Krakow, Poland)

"*Staphylococcus aureus* and seven deadly sins"

14.30-15.00 **Magdalena Klink** (Institute of Medical Biology of PAS, Lodz, Poland)

"The role of cholesterol degrading enzymes in the virulence of *Mycobacterium tuberculosis*"