



Progress in Cell Biology: Mitochondria and Chloroplasts

Programme – 29 May 2015

- 9:00 Welcome address – President of the Polish Academy of Arts and Sciences Andrzej Białas
- 9:15 P. Leslie Dutton and Christopher C. Moser (University of Pennsylvania, Philadelphia, USA)
Toward first-principles respiratory and photosynthetic protein designs working *in vivo*
- 10:00 Marcin Sarewicz and Artur Osyczka (Jagiellonian University, Krakow, Poland)
Catalytic and side reactions of respiratory and photosynthetic cytochrome bcl
- 10:45–11:15 *Coffee break*
- 11:15 Paolo Bernardi (University of Padova, Padova, Italy)
From ATP to PTP: the dual life of F-ATP synthase
- 12:00 Adam Szewczyk (Nencki Institute of Experimental Biology, Warsaw, Poland)
Mitochondrial potassium channels
- 12:45 Dario Leister (Ludwig-Maximilians-University Munich, Germany)
How chloroplasts talk to the nucleus
- 13:30–14:30 *Lunch*
- 14:30 Halina Gabryś (Jagiellonian University, Krakow, Poland)
Light-induced chloroplast movements: variety of mechanisms
- 15:15 Patryk Kuleta (Jagiellonian University, Krakow, Poland)
Human disease-related mutations in mitochondrial complex III
and their effects on ROS production
- 15:30 Kvetoslava Burda (University of Science and Technology, Krakow, Poland)
Regulatory function of non-heme iron spin state in photosynthetic reaction centers of type II
- 15:45 Marcin Kucia (Jagiellonian University, Krakow, Poland)
The role of mitochondria during early development of pig embryos
- 16:00–16:30 *Coffee break*
- 16:30–18:00 Poster session