

Program KFO 249 Symposium 13 – 14 October, 2014
“Defects of the innate immune system in autoinflammation and autoimmunity”

Venue:

Max Planck Institute of Molecular Cell Biology and Genetics, Pfotenhauerstr. 108, 01307 Dresden

Monday, October 13

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| 8:00 – 8:30 | Registration |
| 8:30 – 8:45 | Welcome by Angela Rösen-Wolff |
| 8:45 – 9:15 | Harold Hoffman: Dissecting inflammatory pathways in CAPS |
| 9:15 – 9:45 | Olaf Groß: Inflammasomes - beyond IL-1 β |
| 9:45 – 10:15 | Stefan Winkler: Anti-inflammatory effects of Caspase-1 |
| 10:15 – 10:45 | Michael McDermott: Cellular stress and autoinflammation and autoimmunity |
| 10:45 – 11:15 | Coffee break / Poster viewing |
| 11:15 – 11:45 | Andrea Ablasser: Intracellular DNA sensing mechanisms |
| 11:45 – 12:15 | Zhijian Chen: Innate immune sensing of cytosolic DNA by cGAS |
| 12:15 – 12:45 | Marco Prinz: Microglia as immune sensors in the brain |
| 12:45 – 13:45 | Lunch break / Poster viewing |
| 13:45 – 14:15 | Min Ae Lee-Kirsch: Role of DNA damage in Aicardi-Goutières syndrome |
| 14:15 – 14:45 | Fred Perrino: The TREX1 pathway in nucleic acid-mediated autoimmune disease |
| 14:45 – 15:15 | Nan Yan: A DNase-independent function of TREX1 in SLE and RVCL |
| 15:15 – 15:45 | Winfried Barchet: DNA sensing by cGAMP Synthase (cGAS) in the cytosol.
Balancing pathogen detection against the risk of autoimmunity |
| 15:45 – 16:15 | Coffee break / Poster viewing |
| 16:15 – 16:45 | Andrew Jackson: Ribonucleotides in DNA: the good, the bad and the ugly |
| 16:45 – 17:15 | Thomas Kunkel: Studying the effects of ribonucleotides in the yeast nuclear genome |
| 17:15 – 17:45 | Robert Crouch: Exploring the properties of mice with mutations in Rnaseh2a |
| 19:30 – 22:00 | Social get-together for all invited speakers and officially registered participants at
Caruso (within walking distance of the venue) |

Tuesday, October 14

- 8:30 – 9:00 Claudia Günther: Molecular pathology of familial chilblain lupus
- 9:00 – 9:30 Axel Roers: Pathogenic type I IFN responses: Update on mouse models of Aicardi-Goutières syndrome
- 9:30 – 10:00 Philipp Yu: Endogenous retroviruses and the connection to innate and adaptive immunity
- 10:00 – 10:30 Coffee break / Poster viewing
- 10:30 – 11:00 Jacek Skowronski: Regulation of SAMHD1 function
- 11:00 – 11:30 Jan Rehwinkel: cGAMP: Hitching a ride with HIV
- 11:30 – 12:00 Baek Kim: Mechanistic interplays among HIV reverse transcription, viral protein X and host SAMHD1 protein in nondividing target cells
- 12:00 – 13:00 Lunch break / Poster viewing
- 13:00 – 13:30 Matthias Wabl: The effect of APOBEC3 on the innate and adaptive immune system
- 13:30 – 14:00 Yanick Crow: Human type I interferonopathies
- 14:00 – 14:30 Raphaela Goldbach-Mansky: New interferonopathies
- 14:30 – 14:45 Closing remarks, end of symposium