

6th International Symposium on Trained Immunity / Innate Immune Memory

November 13th – 15th, 2024

Center for Regenerative Therapies Dresden
(CRTD), Dresden, Germany



Program

Day 1 (November 13 2024)	
13:50-14:00	Welcome by the organizers (L. Kalafati, M. Sieweke, M. Netea, Z. Fehervari, G. Hajishengallis and T. Chavakis)
Session I: Innate immune memory in Infection and Vaccination / Chair: Divangahi	
14:00-14:25	Christine Stabell Benn (University of Southern Denmark, Denmark) Topic: <i>Clinical implications of the non-specific effects of vaccines: What is known and what needs further study</i>
14:25-14:50	Mihai Netea (Radboud University Nijmegen, Netherlands) Topic: <i>Trained immunity in human myeloid cells in health and disease</i>
14:50-15:15	Bali Pulendran (Stanford, USA) Topic: <i>Systems Vaccinology</i>
15:15-15:45	Break
Session II: Epigenetic mechanisms / Chair: Netea	
15:45-16:10	Musa Mhlanga (Radboud University Nijmegen, Netherlands) Topic: <i>Epigenetics: at the apex of trained immunity</i>
16:10-16:35	Mélanie Hamon (Pasteur Institute, France) Topic: <i>Innate immune memory of Natural killer cells to bacterial infection</i>
16:35-17:00	Benjamin Youngblood (St. Jude, USA) Topic: <i>Translating epigenetic mechanisms of T cell exhaustion into durable immunotherapy</i>
17:00-18:00	4 selected oral presentations from Abstracts (each 15 min incl. discussion)
18:00-18:30	Break
18:30-18:55	Zoltan Fehervari (Nature) Topic: <i>Navigating publication in high-impact journals</i>
19:00-21:00	Poster Session I and Buffet Dinner

Day 2 (November 14 2024)	
Session III: Innate Immune Memory in Disease / Chair: Mhlanga	
9:00-9:25	Robin Choudhury (Oxford, UK) Topic: <i>Hyperglycemia Induces Trained Immunity in Macrophages and Their Precursors and Promotes Atherosclerosis</i>
9:25-9:50	Jalees Rehman (University of Illinois College of Medicine, USA) Topic: <i>Trans-generational trained immunity in macrophages</i>
9:50-10:15	Ichiro Manabe (Chiba University, School of Medicine, Japan) Topic: <i>Stress memory in heart failure and multimorbidity</i>
10:15-10:45	Break
Session IV: Innate Immune Memory in Disease including Cancer / Chair: Fehervari	
10:45-11:10	Jun Yan (University of Louisville School of Medicine, USA) Topic: <i>Harnessing the power of trained immunity to combat tumor metastasis</i>
11:10-11:35	Lydia Kalafati (TU Dresden, Germany) Topic: <i>Trained Granulopoiesis in Cancer</i>
11:35-12:00	Willem Mulder (Eindhoven University of Technology, The Netherlands) Topic: <i>Nanobiologic therapeutics in trained immunity</i>
12:00-13:30	Poster Session II and Buffet Lunch
Session V: NK cells / Chair: Sieweke	
13:30-13:55	Chiara Romagnani (Charite Berlin, Germany) Topic: <i>Dynamics and mechanisms of human NK cell memory and clonality</i>
13:55-14:20	Joseph Sun (SKC, New York, USA) Topic: <i>NK cells in host innate immune memory</i>
14:20-14:45	Break
Section VI: Selected Abstracts / Chair: Chavakis	
14:45-17:15	10 selected oral presentations from Abstracts (each 15 min incl. discussion)
17:15-17:45	Break
Session VII: Bone Marrow and Trained immunity / Chair: King	
17:45-18:10	Triantafyllos Chavakis (TU Dresden, Germany) Topic: <i>Bone marrow-mediated trained immunity in inflammatory disease</i>
18:10-18:35	Maziar Divangahi (McGill University, Canada) Topic: <i>Unlocking the Power of Trained Immunity in Pulmonary Infections</i>
18:35-19:00	Michael Sieweke (TU Dresden, Germany) Topic: <i>Macrophage self-renewal and age dependent epigenetic noise</i>
19:30-	Speakers Dinner

Day 3 (November 15 2024)	
Session VIII: Bone Marrow, Clonal Hematopoiesis, and Trained immunity / Chair: Romagnani	
9:00-9:25	Danica Chen (UC Berkeley, USA) Topic: <i>Aging and Trained Immunity</i>
9:25-9:50	George Hajishengallis (University of Pennsylvania, USA) Topic: <i>Clonal hematopoiesis, trained immunity and maladaptive epigenetic alterations</i>
9:50-10:15	Katherine Y. King (Baylor College, TX, USA) Topic: <i>Cellular and epigenetic basis of trained immunity in hematopoietic stem and progenitor cells</i>
10:15-10:40	Nancy Speck (University of Pennsylvania, USA) Topic: <i>Regulation of innate immune responses by RUNX1</i>
10:40-11:05	Yang Li (Helmholtz Zentrum, Braunschweig, Germany) Topic: <i>Uncovering Regulatory Networks and Causal Drivers of Viral Infection through Multi-Omics Data Integration</i>
11:05-11:40	Break
Session IX: Selected Abstracts / Chair: Kalafati	
11:40-13:10	6 selected oral presentations from Abstracts (each 15 min incl. discussion)
13:10-14:10	Lunch
Session X: Immunometabolism / Chair: Hajishengallis	
14:10-14:35	Giuseppe Matarese (University of Napoli, Italy) Topic: <i>The missing link between maintenance of immune tolerance and trained immunity</i>
14:35-15:00	Arthur Liesz (LMU Munich) Topic: <i>Trained Immunity in Brain Ischemia</i>
15:00-15:20	Closing remarks and young investigator awards