

## Sunday, June 24, 2018

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|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:00-13:00 | <b>Registration</b>                                                                                                                                                             |
| 13:00-13:10 | Welcome and Introduction                                                                                                                                                        |
| 13:10-17:15 | <b>Session 1: Metabolic Disruptions of Immune Cells</b>                                                                                                                         |
| 13:10-14:00 | <b>Diane Mathis</b> , <i>Harvard Medical School, USA</i><br><b>Immunometabolism at the organismal level [Inv.01]</b>                                                            |
| 14:00-14:30 | <b>Christoph Hess</b> , <i>University Hospital Basel, Switzerland</i><br><b>Cellular metabolic screening of patients with primary immunodeficiency - first lessons [Inv.02]</b> |
| 14:30-15:00 | <b>J.C. Rathmell</b> , <i>Vanderbilt University, USA</i><br><b>Fueling T cell subsets in immunity and cancer [Inv.03]</b>                                                       |
| 15:00-15:30 | <b>Refreshment break</b>                                                                                                                                                        |
| 15:30-16:00 | <b>Doreen Cantrell</b> , <i>University of Dundee, Scotland</i><br><b>Environment sensing signaling pathways in T cells [Inv.04]</b>                                             |
| 16:00-16:30 | <b>Mark Febbraio</b> , <i>Garvan Institute, Australia</i><br><b>The engineered designer cytokine IC7 protects against obesity-induced metabolic disease [Inv.05]</b>            |
| 16:30-16:45 | <b>Short talk</b>                                                                                                                                                               |
| 16:45-17:00 | <b>Short talk</b>                                                                                                                                                               |
| 17:00-18:30 | <b>Welcome Drinks Reception</b>                                                                                                                                                 |

## Monday, June 25, 2018

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| 08:30-11:45 | <b>Session 2: Infection and Host Metabolic Adaptation</b>                                                                                                                                                   |
| 08:30-09:00 | <b>Gwendalyn Randolph</b> , <i>Washington University in St. Louis, USA</i><br><b>IL-17 regulates lipoprotein trafficking through interstitium [Inv.06]</b>                                                  |
| 09:00-09:30 | <b>Jonathan Powell</b> , <i>Johns Hopkins Medicine, USA</i><br><b>Old pathways provide novel insight into the role of metabolism in regulating T cell activation, differentiation and function [Inv.07]</b> |
| 09:30-09:45 | <b>Short talk</b>                                                                                                                                                                                           |
| 09:45-10:00 | <b>Short talk</b>                                                                                                                                                                                           |
| 10:00-10:30 | <b>Refreshment Break</b>                                                                                                                                                                                    |
| 10:30-11:00 | <b>Agnes Lehuen</b> , <i>Institut Cochin, France</i><br><b>Mait cells at the crossroad of microbiota, inflammation and diabetes [Inv.08]</b>                                                                |
| 11:00-11:30 | <b>Erika Pearce</b> , <i>Max Planck Institute, Germany</i><br><b>Polyamines regulate mitochondrial respiration through eIF5A hypusination [Inv.09]</b>                                                      |
| 11:30-11:45 | <b>Short talk</b>                                                                                                                                                                                           |
| 11:45-12:30 | <b>Meet the Cell Press Editors</b>                                                                                                                                                                          |
| 12:30-13:30 | <b>Lunch</b>                                                                                                                                                                                                |
| 13:30-15:00 | <b>Poster Session 1</b>                                                                                                                                                                                     |
| 15:00-18:15 | <b>Session 3: Chronic Inflammation and Metabolic Disease</b>                                                                                                                                                |
| 15:00-15:15 | <b>Short talk</b>                                                                                                                                                                                           |
| 15:15-15:30 | <b>Short talk</b>                                                                                                                                                                                           |
| 15:30-16:00 | <b>Marc Donath</b> , <i>University Hospital Basel, Switzerland</i><br><b>Inflammation in type 2 diabetes: From physiology to treatment with IL-1 Antagonists [Inv.11]</b>                                   |
| 16:00-16:30 | <b>Claudia Kemper</b> , <i>NIH NHLBI, USA</i><br><b>A force from within: Unexpected roles for complement in basic metabolic/cellular processes [Inv.12]</b>                                                 |
| 16:30-17:00 | <b>Refreshment break</b>                                                                                                                                                                                    |
| 17:00-17:30 | <b>[Inv.13] Lydia Lynch</b> , <i>Trinity College, Ireland</i>                                                                                                                                               |
| 17:30-18:00 | <b>Gokhan Hotamisligil</b> , <i>Harvard T.H. Chan School of Public Health, USA</i><br><b>The emerging immunometabolic Biology of the endoplasmic reticulum [Inv.14]</b>                                     |
| 18:00-18:15 | <b>Short talk</b>                                                                                                                                                                                           |
| 19:00-22:00 | <b>Meet the Speakers Dinner</b> (ticket holders only)                                                                                                                                                       |

| Tuesday, June 26, 2018 |                                                                                                                                                                                                          |
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| 08:30-12:00            | <b>Session 4: Nutrient sensing and microbiome-host interactions</b>                                                                                                                                      |
| 08:30-09:00            | <b>Mike Hall, Biozentrum University of Basel, Switzerland</b><br><b>mTOR signaling in growth and metabolism [Inv.15]</b>                                                                                 |
| 09:00-09:30            | <b>[Inv.16] Janelle Ayres, Salk Institute, USA</b>                                                                                                                                                       |
| 09:30-09:45            | <b>Short talk</b>                                                                                                                                                                                        |
| 09:45-10:00            | <b>Short talk</b>                                                                                                                                                                                        |
| 10:00-10:30            | <b>Refreshment Break</b>                                                                                                                                                                                 |
| 10:30-11:00            | <b>[Inv.17] Eran Elinav, Weizmann Institute of Science, Israel</b>                                                                                                                                       |
| 11:00-11:30            | <b>Yasmine Belkaid, NIH NIAID, USA</b><br><b>Control of T cell function during nutritional challenge [Inv.18]</b>                                                                                        |
| 11:30-11:45            | <b>Short talk</b>                                                                                                                                                                                        |
| 11:45-12:00            | <b>Short talk</b>                                                                                                                                                                                        |
| 12:00-13:00            | <b>Lunch</b>                                                                                                                                                                                             |
| 13:00-14:30            | <b>Poster Session 2</b>                                                                                                                                                                                  |
| 14:30-17:45            | <b>Session 5: Cancer Immunity</b>                                                                                                                                                                        |
| 14:30-15:00            | <b>Russell Jones, McGill University, Canada</b><br><b>Rethinking metabolic reprogramming in T cells [Inv.19]</b>                                                                                         |
| 15:00-15:30            | <b>Laurence Zitvogel, Institut Gustave Roussy, France</b><br><b>The composition of the gut microbiota contrast responders from non responders across cancer types amenable to PD-1 blockade [Inv.20]</b> |
| 15:30-15:45            | <b>Short talk</b>                                                                                                                                                                                        |
| 15:45-16:15            | <b>Refreshment Break</b>                                                                                                                                                                                 |
| 16:15-16:45            | <b>Guido Kroemer, University of Paris Descartes, France</b><br><b>Metabolic modulation of anticancer immunosurveillance [Inv.21]</b>                                                                     |
| 16:45-17:00            | <b>Short talk</b>                                                                                                                                                                                        |
| 17:00-17:45            | <b>Douglas Green, St. Jude Children's Research Hospital, USA</b><br><b>Targeting LAP: LC3-associated phagocytosis and anti-cancer immunity [Inv.22]</b>                                                  |
| 17:45-17:55            | <b>Closing Remarks</b>                                                                                                                                                                                   |