19th International Conference on Lymphatic Tissues and Germinal Centres in Immune Reactions

September 14-17, 2017
San Servolo Island, Venice - Italy

Program
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>15:30</td>
<td>Registration</td>
</tr>
<tr>
<td>17:30</td>
<td>Welcome refreshment</td>
</tr>
<tr>
<td>18:30</td>
<td><strong>Celebrating 50 years of germinal center discoveries</strong></td>
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<tr>
<td>18:30</td>
<td>18:50</td>
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</tbody>
</table>
| 18:50  | **Keynote:**  
|        | **Tasuku Honjo**, Kyoto University Graduate School of Medicine, JP  
|        | Immune regulation for cancer therapy by PD-1 blockade  |
| 18:50  | 19:30                                        |
| 19:30  | **Dinner Buffet**                           |
| 20:00  | 21:00                                        |
| 21:00  | **Poster Session 1 - drinks & snacks**  |

**Thursday, 14 September 2017**
### Friday, 15 September 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Title/Abstract</th>
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<tbody>
<tr>
<td>07:30</td>
<td>Breakfast</td>
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<tr>
<td>08:45</td>
<td><strong>SESSION 1: Germinal centre B cell selection</strong></td>
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<tr>
<td>08:45</td>
<td></td>
<td><strong>Michel C. Nussenzweig</strong>, The Rockefeller University, New York, US</td>
<td>Regulation of Cell Death in the Germinal Center</td>
</tr>
<tr>
<td>09:10</td>
<td></td>
<td><strong>Yongrui Zou</strong>, The Feinstein Institute for Medical Research, Manhasset, US</td>
<td>The magnitude of germinal center reactions is restricted by a fixed number of pre-existing niches</td>
</tr>
<tr>
<td>09:30</td>
<td></td>
<td><strong>Inken Kelch</strong>, The University of Auckland, NZ</td>
<td>3D mapping of the conduit network in whole murine LNs</td>
</tr>
<tr>
<td>09:50</td>
<td></td>
<td><strong>Garnett Kelsoe</strong>, Duke University, Durham, US</td>
<td>How does affinity-driven selection operate in Germinal Centers? Testing the standard models</td>
</tr>
<tr>
<td>10:15</td>
<td></td>
<td><strong>Ziv Shulman</strong>, The Weizmann Institute, Rehovot, IL</td>
<td>B cell-ICAMs promote clonal selection for proliferative expansion by supporting B cell interactions with T follicular helper cells</td>
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<tr>
<td>10:35</td>
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<td></td>
<td><strong>Coffee break</strong></td>
</tr>
<tr>
<td>11:00</td>
<td><strong>SESSION 2: Signals controlling germinal centre B cell dynamics</strong></td>
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<tr>
<td>11:00</td>
<td></td>
<td><strong>Mark Jay Shlomchik</strong>, University of Pittsburgh, US</td>
<td>Signals and Energetics of Germinal Center B Cells</td>
</tr>
<tr>
<td>11:25</td>
<td></td>
<td><strong>Hua Gu</strong>, The Montreal Clinic Research Institute, CA</td>
<td>CBL-mediated ubiquitination controls both the entry and exit of the germinal center reaction</td>
</tr>
<tr>
<td>11:45</td>
<td></td>
<td><strong>Carola Vinuesa</strong>, Australian National University, Canberra, AU</td>
<td>Control of human germinal center responses by follicular T cells</td>
</tr>
<tr>
<td>12:10</td>
<td></td>
<td><strong>Michael Meyer-Hermann</strong>, Helmholtz Centre for Infection Research, Braunschweig, DE</td>
<td>B cell information processing in germinal centre</td>
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<tr>
<td>12:30</td>
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<td></td>
<td><strong>EMBO Young Investigator Lecture:</strong></td>
</tr>
<tr>
<td>12:30</td>
<td></td>
<td><strong>Michelle Linterman</strong>, Babraham Institute, Cambridge, UK</td>
<td>CXCL13 modulates B cell trafficking into the lung during influenza infection and initiates tertiary germinal centre formation</td>
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<tr>
<td>12:50</td>
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<td><strong>Lunch buffet</strong></td>
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<tr>
<td>13:00</td>
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<td></td>
<td><strong>“CRISPR buffet” sponsored by Merck (upon confirmation to Secretariat onsite)</strong></td>
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<tr>
<td>13:30</td>
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<td>- Room 2</td>
</tr>
</tbody>
</table>
### SESSION 3: T/B crosstalk in germinal centres

| 14:00 | 14:25 | **Hai Qi**, Tsinghua University, Beijing, CN  
Development of memory B cells in germinal centers |
|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14:25 | 14:45 | **Di Yu**, Australian National University, Acton, AU  
Hypoleptinemia impairs TFH cell function and confers the risk of poor vaccine responses |
| 14:45 | 15:10 | **Shane Crotty**, La Jolla Institute for Allergy and Immunology, US  
GC Tf and GC B cell responses in the context of vaccines and infections |
| 15:10 | 15:30 | **Ilenia Papa**, Australian National University, Canberra, AU  
TFH-derived dopamine accelerates productive T:B synapses in human germinal centres |
| 15:30 | 15:55 | **Chen Dong**, Tsinghua University, Beijing, CN  
Regulation and function of T follicular helper and regulatory cells |
| 15:55 | 16:15 | **Stéphane Rodriguez**, INSERM - UMR1236, Rennes, FR  
Follicular Lymphoma regulatory T cell function and origin |
| 16:15 | 16:45 | **Coffee break** |

### SESSION 4: Germinal centre B cells and amino acid metabolism

| 16:45 | 17:10 | **Gabriel D. Victora**, The Rockefeller University, New York, US  
Germinal center selection and affinity maturation require dynamic regulation of mTORC1 kinase |
|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17:10 | 17:35 | **Facundo Batista**, Ragon Institute of MGH, MIT and Harvard, Cambridge, US  
B Cell Activation Induces a Switch from Canonical to non-Canonical Autophagy that Shapes B Cell Fate |

### SESSION 5: Immune checkpoints in health and disease

| 17:35 | 18:00 | **Nils Lonberg**, Bristol-Myers Squibb, New York, US  
Reactivating dormant immune responses to cancer cells |
|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18:00 | 18:20 | **Marie Kosco-Vilbois**, Novimmune SA, Geneva, CH  
Targeting malignant B cells by multiple mechanisms |
| 18:20 | 18:45 | **Sidonia Fagarasan**, IMS Riken, Yokohama, JP  
Involvement of PD-1 in antibody diversification and body homeostasis |
| 18:45 | 19:30 | Poster session setup |
| 19:30 | 21:00 | **Dinner buffet** |
| 21:00 | 23:00 | **Poster session 2 - drinks & snacks** |
### Saturday, 16 September 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Institution</th>
<th>Title</th>
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<tbody>
<tr>
<td>07:30</td>
<td></td>
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<td></td>
<td>Breakfast</td>
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<tr>
<td>08:30</td>
<td><strong>SESSION 6: Antibody diversification</strong></td>
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<tr>
<td>08:30</td>
<td></td>
<td>Jean-Claude Weill, INSERM, Paris, FR</td>
<td>Pms2 and uracil-DNA glycosylases generate A/T mutations during SHM</td>
<td></td>
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<tr>
<td>08:55</td>
<td></td>
<td>Joshy Jacob, Emory University, Atlanta, US</td>
<td>Gene conversion is the dominant mechanism of somatic hypermutation in mice and humans</td>
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</tr>
<tr>
<td>09:15</td>
<td></td>
<td>Almudena R. Ramiro, CNIC - Spanish National Center for Cardiovascular Research, Madrid, ES</td>
<td>A broad mutational map of Germinal Center B cells unveils mechanisms of AID targeting, repair and lymphomagenesis</td>
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<tr>
<td>09:35</td>
<td></td>
<td>Antonio Lanzavecchia, Institute for Research in Biomedicine, Bellinzona, CH</td>
<td>Antibody diversification by somatic mutations and DNA transposition</td>
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<tr>
<td>10:00</td>
<td></td>
<td>Michel Cogné, Limoges University, FR</td>
<td>AID-dependent cell death shaping the B-cell repertoire</td>
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<td>10:20</td>
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<td><strong>Coffee break</strong></td>
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<tr>
<td>10:45</td>
<td><strong>SESSION 7: Germinal centre exit</strong></td>
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<tr>
<td>10:45</td>
<td></td>
<td>David Tarlinton, Monash University, Melbourne, AU</td>
<td>Guiding B Cells In and Out of Germinal Centers: Many are Called but Few are Chosen</td>
<td></td>
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<tr>
<td>11:10</td>
<td></td>
<td>Tomohiro Kurosaki, WPI Immunology Frontier Research Center, Osaka, JP</td>
<td>Selection mechanism of germinal center cells into plasma fate</td>
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<tr>
<td>11:30</td>
<td></td>
<td>Ulf Klein, University of Leeds, UK</td>
<td>NF-KappaB transcription Factors in Germinal Center B cell development</td>
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</tr>
<tr>
<td>11:50</td>
<td></td>
<td>Kai-Michael Toellner, University of Birmingham, UK</td>
<td>Signals for the generation of germinal centre derived output cells</td>
<td></td>
</tr>
<tr>
<td>12:15</td>
<td></td>
<td>Dinis Calado, The Francis Crick Institute, London, UK</td>
<td>BCL6, MYC and the germinal centre reaction: what are we miz-sing</td>
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<tr>
<td>12:35</td>
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<td></td>
<td><strong>Lunch buffet</strong></td>
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<tr>
<td>14:00</td>
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<td><strong>Excursion (tour by boat)</strong></td>
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<td>20:00</td>
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<td><strong>Social Dinner &amp; Live Music</strong></td>
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# Sunday, 17 September 2017

## Session 8: Memory B cells in health and disease

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:45</td>
<td>Claude-Agnès Reynaud</td>
<td>INEM, Paris, FR</td>
<td>A splenic IgM memory subset harboring anti-bacterial specificities is sustained from persistent Peyer’s patch germinal center reactions</td>
</tr>
<tr>
<td>09:10</td>
<td>Victor Tybulewicz</td>
<td>The Francis Crick Institute, London, UK</td>
<td>Signaling pathways controlling survival of naïve and memory B cells</td>
</tr>
<tr>
<td>09:30</td>
<td>Imogen Moran</td>
<td>Garvan Institute of Medical Research, Sydney, AU</td>
<td>Where and how memory cells are reactivated in the secondary antibody response in the lymph node</td>
</tr>
<tr>
<td>09:50</td>
<td>Matteo Iannacone</td>
<td>San Raffaele Scientific Institute, Milan, IT</td>
<td>Viral subversion of B cell responses</td>
</tr>
</tbody>
</table>

Coffee break

## Session 9: Germinal centre epigenetics

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:40</td>
<td>Wendy Beguelin</td>
<td>Weill Cornell Medicine, New York, US</td>
<td>EZH2 enables germinal center formation through epigenetic silencing of Cdkn1a and Rb-E2F1 positive feedback loop</td>
</tr>
<tr>
<td>11:00</td>
<td>Kim Good-Jacobson</td>
<td>Monash University, Melbourne, AU</td>
<td>The role of histone-modifying complexes in regulating B cell programs to infection</td>
</tr>
<tr>
<td>11:20</td>
<td>Dirk Baumjohann</td>
<td>LMU Munich, DE</td>
<td>MicroRNAs are critical regulators of TFh cell identity and germinal center maintenance</td>
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### SESSION 10: Germinal centres and lymphomas

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution/Location</th>
<th>Topic</th>
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<tbody>
<tr>
<td>11:40</td>
<td><strong>EMBO Special Lecture:</strong></td>
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<td><strong>Klaus Rajewsky</strong>, The Max Delbrück Center for Molecular Medicine, Berlin, DE (Title:TBD)</td>
</tr>
<tr>
<td>12:05</td>
<td><strong>Stefano Casola</strong>, IFOM - The FIRC Institute of Molecular Oncology, Milan, IT</td>
<td>The B cell antigen receptor is a tumor fitness determinant in MYC-driven lymphomas</td>
<td></td>
</tr>
<tr>
<td>12:25</td>
<td><strong>Bruno Amati</strong>, European Institute of Oncology (IEO) - Italian Institute of Technology (IIT), Milan, IT</td>
<td>Pre-clinical and genetic modeling of MYC/BCL2 double-hit lymphoma</td>
<td></td>
</tr>
<tr>
<td>12:45</td>
<td><strong>Riccardo Dalla-Favera</strong>, Institute for Cancer Genetics, Columbia University, New York, US</td>
<td>Genetic Lesions Leading to Germinal-Center Derived Diffuse Large B Cell Lymphoma</td>
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<tr>
<td>13:10</td>
<td><strong>Box Lunch</strong></td>
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<tr>
<td>13:40</td>
<td><strong>Depart</strong></td>
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