

## TUESDAY 12 NOVEMBER

- 08:30-08:55 **Welcome Introduction** *Auditorium 450 (Level 2)*  
**Renato Monteiro**, President of the SFI
- 08:55-09:00 • **Attracting high potential scientific talents to Nantes** *NEXT*  
**Jean-Baptiste Avrillier**, Operational Director of The NExT initiative

## Plenary Session

- 09:00-10:30 **Immunoregulation** *Auditorium 450 (Level 2)*  
**Chairs: Ignacio Anegón** (Nantes, France) and **Aurélie Moreau** (Nantes, France)
- **Simon Fillatreau** (Paris, France): Antibody-independent functions of B cells and plasma cells through cytokine production
  - **Anne Müller** (Zurich, Switzerland): Host and pathogen determinants of chronic bacterial infection
  - **Derk Amsen** (Amsterdam, The Netherlands): Probing regulatory T cell identity by shotgun mass spectrometry

- 10:30-11:15 **Coffee break - Visit of exhibition & Posters** *Mezzanine & Espace R2 (Level 2)*









## Parallel Sessions

- 11:15-12:45 **Innate control of inflammation** *Auditorium 450 (Level 2)*  
**Chairs: Sophie Laffont** (Toulouse, France) and **Julie Tabiasco** (Toulouse, France)
- **Sophie Laffont** (Toulouse, France): Hormonal regulation of ILC2
  - **Sophie Ugolini** (Marseille, France): Neural regulation of immunity
- Selected short oral presentations**
- **Alice Lepelley** (Paris, France): Loss-of-function of COPA highlights the importance of the STING ER-Golgi axis in type I interferon signalling
  - **Edouard Leveque** (Toulouse, France): Eicosanoids: a new step in deciphering mast cells/CD4<sup>+</sup> T cells Crosstalk
  - **Nikaïa Smith** (Paris, France): Control of TLR7-mediated type I IFN signaling in pDCs through CXCR4 engagement - A new target for lupus treatment
- 11:15-12:45 **Session DGFI (Deutsche Gesellschaft für Immunologie)** *Salle 1 (Level 2)*  
**Chairs: Michael Lohoff** (Marburg, Germany) and **Luciana Berod** (Hanovre, Germany)
- **Dirk Brenner** (Luxembourg, Luxembourg): cROSSing the line: Controlling T cell metabolism
  - **Birgit Sawitzki** (Berlin, Germany): Checkpoint receptors in CD4<sup>+</sup> helper T cell differentiation
  - **Dietmar Zehn** (Freising/Munich, Germany): InTOXication causes T-cell exhaustion in chronic infection
- 11:15-12:45 **Single-cell analysis and handling Big Data** *Salle 200 (Level 2)*  
**Chairs: Vassili Soumelis** (Paris, France) and **Mickaël Ploquin** (Pleasanton, CA, USA)
- **Pierre Milpied** (Marseille, France): Single-cell analyses of differentiation and plasticity in normal and malignant B cells
  - **Andrei Zinovyev** (Paris, France): Advances and challenges of the single-cell data analysis
- Selected short oral presentations**
- **Etienne Becht** (Seattle, WA, USA): Infinity Flow: Comprehensive Single-Cell Protein Profiling via Massively Parallel Flow Cytometry and Machine Learning
  - **Thomas Laurent** (Nantes, France): Longitudinal analysis of immune cells in kidney transplantation rejection by single-cell RNA-seq
  - **Céline Sérazin** (Nantes, France): Single cell transcriptomic analysis for a better understanding of human CD8<sup>+</sup> regulatory T cells

11:15-12:45	<b>Transplantation</b>	<b>Salle G-H (Level 2)</b>
<i>Chairs: Gilles Blancho (Nantes, France) and Sophie Brouard (Nantes, France)</i>		
<ul style="list-style-type: none"> <li>• <b>Olivier Thauinat</b> (Lyon, France): Immunopathology of chronic rejection: is it all antibody-mediated?</li> <li>• <b>Menna Clatworthy</b> (Cambridge, UK): Tissue immunity - implications for transplantation</li> </ul>		
<b>Selected short oral presentations</b>		
<ul style="list-style-type: none"> <li>• <b>Séverine Bézie</b> (Nantes, France): Human CD8<sup>+</sup> Treg expressing a MHC-specific chimeric antigen receptor display-enhanced suppression of human skin rejection and GVHD in NSG mice</li> <li>• <b>Florian Dubois</b> (Nantes, France): Identification of a common transcriptional pattern for regulatory B cells through meta-analysis</li> <li>• <b>Gabriel Marsères</b> (Bordeaux, France): <math>\gamma\delta</math> T cell-based immunotherapy against CMV infection after transplantation: a preclinical study</li> </ul>		

12:45-14:15	<b>Lunch</b>	<b>Espace R0 (Level 0)</b>
	<b>Coffee - Visit of exhibition &amp; Posters</b>	<b>Mezzanine &amp; Espace R2 (Level 2)</b>

### Parallel Sessions

14:15-15:15	<b>ASSIM General Assembly</b>	<b>Salle 200 (Level 2)</b>
14:15-15:15	<b>Industry Symposium</b>	<b>Auditorium 450 (Level 2)</b>
<i>Chairs: Véronique Witko-Sarsat (Paris, France) and Abdelhadi Saoudi (Toulouse, France)</i>		
14:15-14:19	<ul style="list-style-type: none"> <li>• <b>Berkeley Lights - Jean-Baptiste Pénigault</b>: Berkeley Lights Inc's Optofluidic Platforms: Linking Genotype to Phenotype at the Single Cell Level And More</li> </ul>	
14:19-14:27	<ul style="list-style-type: none"> <li>• <b>Cell Signaling Technology - Federica Cioffi</b>: Achieving Reproducible Science: Don't Let Antibodies be a Variable in Your Experiment</li> </ul>	
14:27-14:35	<ul style="list-style-type: none"> <li>• <b>Stemcell Technologies - Graeme Milton</b>: Tools &amp; Reagents For Your Immunology Research</li> </ul>	
14:35-14:43	<ul style="list-style-type: none"> <li>• <b>BD Biosciences - Rodriguez Werner</b>: How to resolve heterogeneity: the BD Multi-Omics Solution</li> </ul>	
14:43-14:51	<ul style="list-style-type: none"> <li>• <b>Fluidigm - Emilie Gregori</b>: High-Dimensional Immune Monitoring, Simplified Easily quantify 37 immune subsets from PBMC and whole blood using mass cytometry</li> </ul>	
14:51-14:59	<ul style="list-style-type: none"> <li>• <b>Beckman Coulter - Fabrice Malergue</b>: New Tools for advanced cellular analysis by flow cytometry</li> </ul>	
14:59-15:07	<ul style="list-style-type: none"> <li>• <b>10x Genomics - Christophe Fleury</b>: Immunology at single cell resolution: Antigen Specificity, Immune Repertoire, and Cellular Phenotype Using Single Cell Transcriptomics</li> </ul>	
15:07-15:15	<ul style="list-style-type: none"> <li>• <b>Bio-Techne - Warren Higgs</b>: New Rapid Immunoassay Solutions: Quantikine quality in a fraction of the time</li> </ul>	

### Plenary Session

15:15-16:45	<b>Cancer Immunology</b>	<b>Auditorium 450 (Level 2)</b>
<i>Chairs: Régis Josien (Nantes, France) and Nicolas Poirier (Nantes, France)</i>		
<ul style="list-style-type: none"> <li>• <b>Miriam Merad</b> (New-York, USA): Myeloid Determinants of Tumor Immunity</li> <li>• <b>Caetano Reis e Sousa</b> (London, UK): Dendritic cells in anti-cancer immunity</li> <li>• <b>Alexandre Boissonnas</b> (Paris, France): Treg/monocyte crosstalk following conventional cancer therapies</li> </ul>		
16:45-17:30	<b>Coffee break - Visit of exhibition &amp; Posters</b>	<b>Mezzanine &amp; Espace R2 (Level 2)</b>

## Parallel Sessions

17:30-19:00

## Cancer Immunotherapy

Auditorium 450 (Level 2)

**Chairs:** *Nathalie Labarrière* (Nantes, France) and *Catherine Rabu* (Nantes, France)

- *Éric Tartour* (Paris, France): Resident memory T cells and cancer immunotherapy
- *Jürgen Kuball* (Utrecht, The Netherlands):  $\gamma\delta$  TCR engineered T cells

## Selected short oral presentations

- *Emilie Dupré* (Nantes, France): A novel strategy to identify melanoma-antigen from long non coding RNA
- *Irini Evnouchidou* (Paris, France): IRAP-dependent TCR endosomal signalling is essential for T cell response
- *Ludovic Martinet* (Toulouse, France): Eomes-dependent CD226 loss alters TCR responsiveness and restrains CD8+ T lymphocyte anti-tumor functions

17:30-19:00

## Germinal Center Club

Salle G-H (Level 2)

**Chairs:** *Nicolas Fazilleau* (Toulouse, France), *Marion Espeli* (Clamart, France) and *Patricia Amé-Thomas* (Rennes, France)

- *Céline Delalay* (Rennes, France): IL-2, BACH2 and B cell fate programming near the germinal center
- *Julia Jellusova* (Freiburg, Germany): The role of the multifunctional autophagy adaptor protein p62/SQSTM1 in B cell activation and metabolism

## Selected short oral presentations

- *Amélie Bonaud* (Paris, France): Analysis of SNARE-mediated regulation of plasma cell biology
- *Manuel D. Diaz-Munoz* (Toulouse, France): The RNA-binding protein HuR is required for germinal center responses and high-affinity antibody production
- *Virginie Tardif* (Philadelphia, PA, USA): A Novel Follicular Regulatory Innate Lymphoid Cell (ILCFR) Population present in human tonsils disrupts germinal centers and expands in chronic viral infection

17:30-19:00

## Neuroimmunology Club

Salle 200 (Level 2)

**Chairs:** *Lennart Mars* (Lille, France) and *Sylvia Cohen-Kaminsky* (Le Plessis-Robinson, France)

- *Doron Merkler* (Geneva, Switzerland): Cytotoxic T cells as drivers of immunopathology in the central nervous system
- *Roland Liblau* (Toulouse, France): Learning from animal models to understand the pathophysiology of Narcolepsy and Susac syndrome
- *Alexander Flügel* (Goettingen, Germany):  $\beta$ -synuclein-reactive T cells cause autoimmune CNS grey matter degeneration

17:30-19:00

## Mast Cell/Basophil Club

Salle I (Level 2)

**Chairs:** *Adrian Piliponsky* (Seattle, USA) and *Nicolas Gaudenzio* (Toulouse, France)

- *Adrian Piliponsky* (Seattle, USA): Unraveling the role of mast cells and basophils in innate immunity and sepsis

## Selected short oral presentations

- *Ulrich Blank* (Paris, France): Mast cell chymase limits neutrophil activation and recruitment protecting against ischemic reperfusion injury
- *Mei Li* (Illkirch, France): IL-3 plays a crucial role in basophil extravasation to mouse skin with allergic contact dermatitis
- *Laurent Reber* (Toulouse, France): Characterization of a novel mouse model humanized for IgE and its high-affinity receptor Fc $\epsilon$ RI
- *Marie Tauber* (Toulouse, France): A new mouse model of mast cells-deficiency based on the specific depletion of Mrgrpb2-expressing cells

19:00

## Poster Session 1

Mezzanine &amp; Espace R2 (Level 2)

& Welcome cocktail - Sponsored by




## WEDNESDAY 13 NOVEMBER

## Plenary Session

- 08:30-10:00 **Innate Immunity** Auditorium 450 (Level 2)
- Chairs:** *Loredana Saveanu* (Paris, France) and *Jérôme Martin* (Nantes, France)
- **Éric Vivier** (Marseille, France): Harnessing innate immunity in cancer therapy
  - **Nicolas Manel** (Paris, France): Activation of intracellular innate immune sensors by viruses and self
  - **Mihai G. Netea** (Nijmegen, The Netherlands): Metabolic and Epigenetic Reprogramming in Myeloid Cells

## Parallel Sessions

- 10:00-10:10 **Symposium Qiagen** Salle 200 (Level 2)
- **Hélène Bauby**: QIAGEN Innovations for your NGS applications, focus on TCR sequencing and Tumor Mutational Burden (TMB)
- 10:00-10:30 **Symposium BMS** Auditorium 450 (Level 2)
-  Bristol-Myers Squibb
- 10:10-11:00 **Poster Session 2** Mezzanine & Espace R2 (Level 2)  
Coffee break - Visit of exhibition

## Parallel Sessions

- 11:00-12:30 **Myeloid cells** Auditorium 450 (Level 2)
- Chairs:** *Véronique Witko-Sarsat* (Paris, France) and *Élise Chiffolleau* (Nantes, France)
- **Andrés Hidalgo** (Madrid, Spain): Heterogeneity of neutrophils
  - **Mercedes Tkach** (Paris, France): Function of exosomes and other extracellular vesicles in cancer-immune system cross-talk
- Selected short oral presentations**
- **Camille Bigenwald** (New York, USA): BRAFV600E-induced senescence in hematopoietic progenitors drives Langerhans Cell Histiocytosis pathophysiology
  - **Amélie Bigorgne** (Paris, France): Liver-infiltrating neutrophils and mast cells are selectively decreased upon anti-angiogenic therapy in patients with metastatic colorectal cancer
  - **Nicolas Ruffin** (Paris, France): Human dendritic cell precursors sense HIV-1 by a dual innate mechanism revealed by single cell analysis
- 11:00-12:30 **Vaccination** Salle 200 (Level 2)
- Chairs:** *Claude Leclerc* (Paris, France) and *Nicolas Boisgerault* (Nantes, France)
- **Claude Leclerc** (Paris, France): IL-17 suppresses the therapeutic activity of cancer vaccines by inhibiting the activation of anti-tumoral CD8<sup>+</sup> T cell responses
  - **Béhazine Combadière** (Paris, France): Innate gene signature distinguishes humoral versus cytotoxic responses to influenza vaccination
- Selected short oral presentations**
- **Lise Chauveau** (Oxford, UK): cGAMP-loaded HIV-derived VLP elicit protective T cell and antibody responses in mice
  - **Fanny Lafouresse** (Toulouse, France): Unique cellular sources of CXCR3 ligands direct intranodal T cell positioning and interactions following viral infection
  - **Nabila Seddiki** (Créteil, France): Memory influenza-specific T follicular helper (Tfh) and regulatory (Tfr) cells are depicted in peripheral blood very early following vaccination
- 11:00-12:30 **From Immune Development to Ageing** Salle G-H (Level 2)
- Chairs:** *Delphine Sauce* (Paris, France) and *Nicolas Degauque* (Nantes, France)
- **Isabelle André** (Paris, France): T cell progenitors to treat immune deficiencies
  - **Arne Akbar** (London, UK): Strategies for enhancing immunity during ageing
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**Selected short oral presentations**

- **Carole Le Coz** (Philadelphia, USA): PU.1-mutated agammaglobulinemia (PU.MA) is caused by developmental arrest of pro-B cells
- **Daan Pieren** (Utrecht, Netherlands): Pan-KIR+ virtual memory cells accumulate with age and contribute to the functional decline of CD8<sup>+</sup> T cells in the elderly
- **Milesa Simic** (Marseille, France): Becoming LTi

12:30-14:00	<b>Lunch</b> <b>Coffee - Visit of exhibition &amp; Posters</b>	<b>Espace R0 (Level 0)</b> <b>Mezzanine &amp; Espace R2 (Level 2)</b>
13:45-16:45	<b>Réunion de docimologie (organisée par l'ASSIM)</b>	<b>Salle G-H (Level 2)</b>
13:45-14:15	• La plateforme informatique d'Immunologie Médicale : actualités et perspectives : <b>Giovanna Clavarino</b> (CHU Grenoble Alpes) Retour d'expérience de l'utilisation de la plateforme dans différentes villes :	
14:15-14:25	• <b>Lyon : Marie-Nathalie Sarda</b> (CHU Lyon Sud)	
14:25-14:35	• <b>Toulouse : Bénédicte Puissant</b> (CHU Toulouse)	
14:35-14:45	• <b>Angers : Emeline Vinatier</b> (CHU Angers)	
13:45-15:00	Questions diverses et discussion	
15:00-15:15	• Proposition de groupes de travail pour la relecture de dossiers progressifs pour la formation des internes en DES de Biologie Médicale Immunologie phase socle : <b>Giovanna Clavarino et Chantal Dumestre-Perard</b> (CHU Grenoble Alpes)	
15:15-16:45	• Relecture et correction de dossiers progressifs pour la formation des internes en DES de Biologie Médical Immunologie phase socle	

**Plenary Sessions**

14:00-15:30	<b>Immunometabolism</b> <b>Chairs: Agnès Lehuen</b> (Paris, France) and <b>Cédric Louvet</b> (Nantes, France) • <b>Luciana Berod</b> (Hannover, Germany): Control of T cell differentiation by lipid metabolism • <b>Christoph Hess</b> (Basel, Switzerland): Metabolic sensing of danger • <b>Agnès Lehuen</b> (Paris, France): Role of MAIT cells in metabolic diseases	<b>Auditorium 450 (Level 2)</b>
15:30-16:30	<b>Young Immunologists</b> <b>Chairs: Delphine Sauce</b> (Paris, France), <b>Aude Magerus</b> (Paris, France) and <b>Laetitia Gautreau-Rolland</b> (Nantes, France) • <b>Abdouramane Camara</b> (Strasbourg, France): Lymph Node Mesenchymal and Endothelial Stromal Cells Cooperate via the RANK-RANKL Cytokine Axis to Shape the Sinusoidal Macrophage Niche • <b>Pierre Duplouye</b> (Nantes, France): Evaluation of the role of CD28H on human NK cells • <b>Emeline Joulia</b> (Toulouse, France): Role of the Transcription Factor Eomes in Susceptibility to Central Nervous System Autoimmunity • <b>Jérémy Santamaria</b> (Toulouse, France): Exceptionally high recirculation of peripheral regulatory T cells to the NOD thymus strongly inhibits <i>de novo</i> development of their precursors	<b>Auditorium 450 (Level 2)</b>

16:30-17:15	<b>Coffee break - Visit of exhibition &amp; Posters</b>	<b>Mezzanine &amp; Espace R2 (Level 2)</b>
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**Plenary Sessions**

17:15-17:45	<b>Philosophy of Science - Theoretical Immunology</b> <b>Chairs: Jacques Nunès</b> (Marseille, France) and <b>Renato Monteiro</b> (Paris, France) • <b>Thomas Pradeu</b> (Bordeaux, France): A philosophical approach to the immune system	<b>Auditorium 450 (Level 2)</b>
17:45-19:00	<b>SFI General Assembly</b>	<b>Auditorium 450 (Level 2)</b>

19:30	<b>Bus departure for the Congress Dinner</b>	<b>Cité des Congrès de Nantes (Level 0)</b>
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19:45	<b>Congress Dinner - Cocktail sponsored by</b> 	<b>HAB Galerie</b>
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## THURSDAY 14 NOVEMBER

## Plenary Session

- 08:30-10:00 **Microbiota and Immune system** *Auditorium 450 (Level 2)*
- Chairs:** *Marie Bodinier (Nantes, France) and Emmanuelle Godefroy (Nantes, France)*
- **Laurence Zitvogel (Villejuif, France):** Microbiome in cancer therapy
  - **Francine Jotereau (Nantes, France):** Microbiota-induced Treg: characteristics and potential role in human immune disorders
  - **Julien Diana (Paris, France):** Crosstalk between gut microbiota, innate immune cells and endocrine cells in the pancreas regulates autoimmune diabetes
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- 10:00-10:45 **Coffee break - Visit of exhibition & Posters** *Mezzanine & Espace R2 (Level 2)*

## Parallel Sessions

- 10:45-12:15 **Mucosal Immunity** *Salle 200 (Level 2)*
- Chairs:** *Anne Jarry (Nantes, France) and Christelle Harly (Nantes, France)*
- **Jérôme Martin (New York, USA):** Single-Cell Analysis of Crohn's Disease Lesions Identifies a Pathogenic Cellular Module Associated with Resistance to Anti-TNF Therapy
  - **Barbara Joyce-Shaikh (San Francisco, USA):** Regulatory T cells restrain IL-23-producing CX3CR1<sup>+</sup> gut resident macrophages during ILC3-driven colitis through LAG3
- Selected short oral presentations**
- **Cédric Jacqueline (Nantes, France):** SIRP- $\alpha$  is a major check-point of the reprogramming of resident alveolar macrophages leading to the susceptibility to secondary pneumonia revealed by single cell analysis
  - **François Legoux (Paris, France):** Microbial metabolites control the thymic development of mucosal-associated invariant T cells
  - **Laïla Letaïef (Paris, France):** Sympathetic nerve fibers control tertiary lymphoid structure neogenesis
- 10:45-12:15 **Allergy** *Salle G-H (Level 2)*
- Chairs:** *Karine Adel-Patient (Gif-Sur-Yvette, France) and Amédée Renand (Nantes, France)*
- **Erik Wambre (Seattle, USA):** Biomarkers of T cell responses in allergic diseases
  - **Karine Adel-Patient (Saclay, France):** How breastmilk can modulate the immune response to food allergens in the progeny?
- Selected short oral presentations**
- **Lilian Basso (Toulouse, France):** House dust mites activate nociceptor-mast cell clusters to drive type 2 skin inflammation
  - **Hoa Mai (Nantes, France):** Targeting the IL-7R $\alpha$  as a potential therapeutic approach for allergic asthma
  - **Christopher Mueller (Strasbourg, France):** Vitamin D3 promotes human Th2 responses by TSLP-dependent and -independent regulation of dendritic cells
- 10:45-12:15 **Innate T lymphocytes** *Auditorium 450 (Level 2)*
- Chairs:** *Maria Leite-de-Moraes (Paris, France), Christophe Paget (Tours, France) and Emmanuel Scotet (Nantes, France)*
- **Julie Ribot (Lisbonne, Portugal):** Unconventional functions for non conventional T cells
  - **Stefan Gadola (Southampton, UK):** Recognition of CD1 by human T cells
- Selected short oral presentations**
- **Kamel Benlagha (Paris, France):** Characterization of the developmental landscape of ROR $\gamma$ <sup>+</sup> iNKT cells
  - **Guillaume Lezmi (Paris, France):** Evidence for a MAIT-17-HIGH phenotype in children with severe asthma
  - **Chirine Rafia (Nantes, France):** TGF- $\beta$  impairs the antitumour function and metabolism activity of human V $\gamma$ 9V $\delta$ 2 T lymphocytes
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- 12:15-13:30 **Lunch** *Espace R0 (Level 0)*
- Coffee - Visit of exhibition & Posters** *Mezzanine & Espace R2 (Level 2)*

## Parallel Sessions

- 13:30-15:00 **Tolerance and Autoimmunity** Auditorium 450 (Level 2)
- Chairs:** *Abdelhadi Saoudi* (Toulouse, France) and *Mathieu Giraud* (Paris, France)
- **Roberto Mallone** (Paris, France): Benign islet autoimmunity and type 1 diabetes: a T-cell viewpoint
  - **Magali Irla** (Marseille, France): Establishment of T-cell tolerance: implication of the thymic crosstalk
- Selected short oral presentations**
- **Marine Besnard** (Nantes, France): Anti-CD45RC mAb Immunotherapy Controls the Development of Auto-Immune Symptoms in an APECED Rat Model of AIRE Deficiency
  - **Rémi Marrocco** (Toulouse, France): Role of Themis1-Vav1 signaling hub in Tregs function in the context of CNS autoimmunity
  - **Benoît Salomon** (Paris, France): Regulatory T cell function is dependent on AMPK in a tumor context
- 13:30-15:00 **Host-Pathogen interactions** Salle G-H (Level 2)
- Chairs:** *Céline Bressollette-Bodin* (Nantes, France) and *Antoine Roquilly* (Nantes, France)
- **Morgane Bomsel** (Paris, France): Replication-competent HIV-1 reservoirs form in mucosal tissue macrophages of patients under antiretroviral therapy
  - **Estelle Marion** (Angers, France): Skin-specific antibodies neutralizing mycolactone
- Selected short oral presentations**
- **Céline Maquet** (Liège, Belgium): Ly6C<sup>hi</sup> monocytes are key orchestrators of gammaherpesvirus lifecycle
  - **Cyrille Mionnet** (Marseille, France): Pertussis Toxin is critical to generate tissue memory T cell population in the lungs of *B. pertussis* infected mice
  - **Mustapha Si-Tahar** (Tours, France): Towards an immunometabolic anti-influenza therapy
- 13:30-15:00 **Medical Immunology: new therapeutic targets in immune-mediated inflammatory diseases** Salle 200 (Level 2)
- Chairs:** *Régis Josien* (Nantes, France) and *Hélène Moins* (Paris, France)
- **Carole Guillonnet** (Nantes, France): Anti-CD45RC antibody immunotherapy to induce tolerance in transplantation and autoimmune diseases
  - **Dominique Baeten** (Amsterdam, The Netherlands): Dual neutralization of IL-17A and IL-17F in chronic inflammatory diseases: from immunosuppression to resolution of inflammation
  - **Yves Renaudineau** (Brest, France): STIM1 at the B cell plasma membrane as a new therapeutic target in cancer and autoimmune diseases

## Plenary Sessions

- 15:15-16:45 **Systems Immunology** Auditorium 450 (Level 2)
- Chairs:** *Hans Yssel* (Paris, France) and *Shai Shen-Orr* (Haifa, Israel)
- **Vassili Soumelis** (Paris, France): Systems modeling of human dendritic cell-T cell communication
  - **Véronique Thomas-Vaslin** (Paris, France): Systems Immunology for Modeling T cell Dynamics
  - **Shai Shen-Orr** (Haifa, Israel): Charting the immunological landscape - system dynamics and clinical implications
- 16:45-17:30 **What's new in Immunology?** Auditorium 450 (Level 2)
- Chairs:** *Roland Liblau* (Toulouse, France) and *Anne Hosmalin* (Paris, France)
- **Conclusion**  
*Marc Bonneville* (Lyon, France): New trends in immunology: an industrial outlook
- 17:30 **Prizes and Meeting closing** Auditorium 450 (Level 2)