

# TUESDAY 4 NOVEMBER - MORNING

SFI

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09:00-09:15 **Welcome Introduction**

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09:15-10:45

## **PLENARY SESSION: Stem cells**

[Pasteur - Level 8](#)

Sponsored by



**Chairs:** *Pierre Ferrier - Marseille (FR) and Jean-François Mayol - Archamps (FR)*

Lineage relationships and asymmetric cell division during early human hematopoiesis  
*Bernd Giebel - Essen (GE)*

Lymphoid potential of pluripotent stem cells and potential clinical applications  
*Rima Haddad - Fontenay-aux-Roses (FR)*

Reprogramming the cellular aging physiology: opportunities and limits  
*Jean-Marc Lemaitre - Montpellier (FR)*

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10:45-11:15

**Coffee break - Visit of exhibition - Poster session**

[Espace Flandre - Level 8](#)

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## **PARALLEL WORKSHOPS**

11:15-12:45

### **Host-Pathogen Interactions**

[Pasteur - Level 8](#)

Immunity and tolerance to fungi - *Luigina Romani - Perugia (IT)*

Regulation of innate and adaptive immunity by helminth parasites  
*Rick Maizels - Edinburgh (UK)*

#### **Selected short oral presentations**

NLRP12 negatively regulates NOD2-driven adjuvanticity, endotoxemia and host defence  
*Lionel Poulin - Lille (FR)*

CD3<sup>bright</sup> signals on gamma/delta T cells identify IL-17A-producing Vgamma 6Vdelta1<sup>+</sup> T cells: A new strategy to investigate their role during bacterial pneumonia  
*Christophe Paget - Lille (FR)*

High levels of heme correlated to IL-10, TNF- $\alpha$ , MCP-1 and IP-10 differentiate cerebral malaria and malarial acute renal failure during *Plasmodium falciparum* infection in India  
*Esther Dalko - Lille (FR)*

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11:15-12:45

### **Neutrophil Club**

[Goya - Level 9](#)

Novel concepts in neutrophil transmigration in vivo - *Sussan Nourshargh - Londres (UK)*

Functional compartmentation of neutrophils - *Leo Koenderman - Utrecht (NL)*

#### **Selected short oral presentations**

Mast cells form antibody-dependent degranulatory synapses for dedicated secretion and defense - *Régis Joulia - Toulouse (FR)*

Promoting neutrophil apoptosis through the cyclin dependent kinase inhibitor p21/waf enhances the resolution of inflammation after *Pseudomonas aeruginosa* infection  
*Delphine Ohayon - Paris (FR)*

Deficient IL-22 production triggers a susceptibility to nontypeable *Haemophilus influenzae* infection - *Magdiel Perez-Cruz - Lille (FR)*

## PARALLEL WORKSHOPS

11:15-12:45

Sponsored by



### Lymphocyte Homeostasis

Eurotop - Level 5

**Chairs:** *Christine Bourgeois - Le Kremlin-Bicêtre (FR) and  
Ludivine Chapat - Lyon (FR)*

Lymphocyte homeostasis: the dynamic of resting  
*Christine Bourgeois - Le Kremlin-Bicêtre (FR)*

Autophagy and lymphocyte homeostasis during the humoral response  
*Frédéric Gros - Strasbourg (FR)*

Milieu Intérieur: understanding the genetic and environmental determinants  
of immune variation  
*Matthew Albert - Paris (FR)*

### Selected short oral presentations

AMPK controls memory helper T cell homeostasis  
*Fabienne Andris - Gosselies (BE)*

CTP synthase 1 deficiency in humans reveals its central role in lymphocyte proliferation  
*Emmanuel Martin - Paris (FR)*

11:15-12:45

### Plateforme Cytométrie

Rubens - Level 9

**Modérateurs :** *Julie Cazareth - Valbonne (FR) et Nathalie Jouy - Lille (FR)*

L'immunophénotype chez la souris : une approche intégrative pour identifier de  
nouveaux gènes clés du système immunitaire  
*Hervé Luche - Marseille (FR)*

La nouvelle norme NF X 50-900 : une norme adaptée aux Infrastructures  
Technologiques de Recherche  
*Marie-Pierre Dubrulle - Paris (FR)*

### Communications orales courtes sélectionnées

Biosécurité : méthode simple de mesure du confinement des trieurs  
*Jan Baijer - Fontenay-aux-Roses (FR)*

Comparaison de la mesure de la réponse proliférative de LT humains primaires par cytomé-  
trie de flux avec la technique de référence en thymidine tritiée  
*Murielle Andrieu - Paris (FR)*

12:45-14:45

**Lunch**

Espace Jeanne de Flandre - Level 11

**Coffee - Visit of exhibition - Poster session**


Espace Flandre - Level 8

# TUESDAY 4 NOVEMBER - AFTERNOON

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- 13:45-14:45**     **ASSIM General Assembly**     [Rubens - Level 9](#)
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- 14:45-16:45**     **PLENARY SESSION: Infection and Immunity**     [Pasteur - Level 8](#)  
*Chairs: Matthew Albert - Paris (FR) and Anne Tsicopoulos - Lille (FR)*  
Trained Immunity: the adaptive memory characteristics of innate immunity  
*Mihai Netea - Nijmegen (NL)*  
Marginal zone B cells in humans: a distinct cell lineage differing from IgM memory B cells  
*Claude-Agnès Reynaud - Paris (FR)*  
An integrated view of immunity to respiratory viral infection - *Peter Openshaw - Londres (UK)*  
Specific and non-specific effects of live attenuated pertussis vaccine - *Camille Locht - Lille (FR)*
- 14:45-16:45**     **SESSION PLÉNIÈRE : Prix Jeunes Cytométristes**     [Eurotop - Level 5](#)  
*Modérateurs : Francine Garnache-Ottou - Besançon (FR) et Christelle Faveeuw - Lille (FR)*  
**Communications orales courtes sélectionnées**  
La cytométrie en flux : un outil performant pour le suivi de l'évolution de l'état physiologique de *L. lactis* TOMSC161 au cours de la fermentation et la prévision de sa résistance à la lyophilisation - *Hélène Velly - Thiverval-Grignon (FR)*  
Modulation spatiale et énergétique de lasers pour l'amélioration de la détection des cellules circulantes par cytométrie en flux in vivo chez le petit animal - *Jérémy Cosette - Evry (FR)*  
Flow cytometric approach to differentiate somatic cells and simultaneously measure their viability following milk treatments - *Na Li - Rennes (FR)*  
Peptides d'élastine et modulation de la réponse T helper lors de l'emphysème pulmonaire chez la souris - *Aida Meghraoui-Kheddar - Reims (FR)*
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- 14:45-17:45**     **SESSION DPC - Lupus**     [Goya - Level 9](#)  
*Organized by*  
  
Nouveaux critères de classification du lupus systémique et nouvelles approches thérapeutiques  
*Anne-Sophie Korganow - Strasbourg (FR)*  
Génétique et lupus : où en sommes-nous en 2014 ? - *Thierry Martin - Strasbourg (FR)*  
L'Immunofluorescence Indirecte sur cellules Hep-2 : pertinence, limites, place de l'automatisation - *Sophie Hüe - Paris (FR)*  
Les Ac anti-ADN double brin et anti-Ag nucléaires solubles : éléments critiques pour le choix des Ag, des techniques et des trousseaux ; les difficultés d'interprétation  
*Sylvain Dubucquoi - Lille (FR)*  
Les examens immunologiques dans le suivi d'un patient lupique : quels paramètres ? A quelle fréquence ? - *Thierry Vincent - Montpellier (FR)*
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- 16:45-17:30**     **Coffee break - Visit of exhibition - Poster session**     [Espace Flandre - Level 8](#)
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## PARALLEL WORKSHOPS

17:30-19:00

### Antiviral immunity and therapy

Pasteur - Level 8

Sponsored by



RNA- and protein-based immunity in Drosophila - *Jean-Luc Imler* - Strasbourg (FR)

HIV cell-cell transmission and immune antiviral responses - *Olivier Schartz* - Paris (FR)

#### Selected short oral presentations

A new gene-expression signature associated with protective memory CD8 responses  
*Mélanie Wencker* - Lyon (FR)

Low SAMHD1 expression following T-cell activation and proliferation renders CD4+ T cells susceptible to HIV-1 - *Nabila Seddiki* - Créteil (FR)

Impact of innate-intrinsic immunity on HIV replication and antigen presentation  
*Sylvain Cardinaud* - Paris (FR)

Over-production of BAFF by dendritic cells and inflammatory monocytes during primary HIV-1 infection - *Gwenoline Borhis* - Paris (FR)

17:30-19:00

### Microbiota with the support of Biocodex

Eurotop - Level 5

Sponsored by



**Chairs:** *Marielle Bouix* - Thiverval-Grignon (FR) et *Mathias Chamaillard* - Lille (FR)

Remote control of intestinal inflammation and tumorigenesis by the gut microbiota - *Mathias Chamaillard* - Lille (FR)

Gut Microbiome and Human Health: focus on Metabolic Diseases - *Karine Clément* - Paris (FR)

#### Selected short oral presentations

A deficiency in CX3CR1 alters the gut microbiota and induces a type 2 diabetes  
*Céline Pomié* - Toulouse (FR)

Bacterial activation of iNKT cells - *Thierry Mallevaey* - Ontario (CA)

IL-17 and IL-22 production by intestinal T cells in human obesity: potential role in the loss of enterocyte insulin sensitivity - *Sothea Touch* - Paris (FR)

Probiotics coneract diet-induced obesity and insulin resistance in mice through remodeling adipose tissue and microbiota composition - *Corinne Grangette* - Lille (FR)

Saccharomyces boulardii CNCM I-745, an extensively studied probiotic - *Emilie Fargier* - Compiègne (FR)

17:30-19:00

### Hématologie 1

Rubens - Level 9

**Modérateurs :** *Lydia Campos* - Saint-Étienne (FR) et *Christophe Roumier* - Lille (FR)

The interest of flow cytometry on the Myelodysplasia diagno - *Wolfgang Kern* - Munich (GE)

Détection par cytométrie en flux de phosphoprotéines et leur voie de signalisation dans les leucémies - *Mathieu Hauwel* - Genève (CH)

Microparticules et Leucémies - *Damien Geldhof* - Yvoir (BE)

#### Communications orales courtes sélectionnées

Profil de cellules souches CD34+CD38- dans le diagnostic et suivi des Leucémies Aigues Myeloides - *Adriana Plesa* - Lyon (FR)

Expression de certains antigènes embryonnaires dans les cellules de Leucémie Aiguë Myéloïde  
*Tiphane Picot* - Saint-Étienne (FR)

Le syndrome hyperéosinophilique dit "lymphoïde" avec lymphocytes CD3-CD4+ circulants : caractéristiques immunophénotypiques et histopathologiques d'un syndrome lymphoprolifératif T clonal périphérique indolent - *Guillaume Lefèvre* - Lille (FR)

19:00-21:00

### Welcome Reception and Poster session

Espace Flandre - Level 8

# WEDNESDAY 5 NOVEMBER - MORNING

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**08:15-09:45** **PLENARY SESSION: Cancer** [Pasteur - Level 8](#)

**Chairs:** *Fathia Mami-Chouaib - Paris (FR) and Sylvia Cohen-Kaminsky - Le Plessis-Robinson (FR)*

Shaping the immune landscape in human cancer - *W. Hervé Fridman - Paris (FR)*

Role of cyclophosphamide in tumor rejection and tumor-specific immunity  
*Muriel Moser - Bruxelles (BE)*

Gut microbiota-cancer axis in melanoma - *Laurence Zitvogel - Villejuif (FR)*

**08:15-09:45** **SESSION PLÉNIÈRE : Avancées Technologiques** [Eurotop - Level 5](#)

**Modérateurs :** *Vincent Genty - St-Malo (FR) et Christian Muller - Strasbourg (FR)*

CRISPR based gene 'surgery' in basic and translational research - *Ali Talebi - Leuven (BE)*

L'analyse spectrale en flux : principe et applications

*Julie Cazareth - Valbonne (FR) et Cédric Aït-Mansour - Puteaux (FR)*

**Communications orales courtes sélectionnées**

DuraClone™ improves standardization of compensation workflow for multicolor applications by flow cytometry - *Nathalie Dupas - Marseille (FR)*

InfoCyt, une nouvelle méthode d'analyse des données de cytométrie multi-paramétrique basée sur le calcul des populations suivie de leur identification visuelle

*Françoise Gondois-Rey - Marseille (FR)*

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**09:45-10:30** **Coffee break - Visit of exhibition - Poster session** [Espace Flandre - Level 8](#)

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## PARALLEL WORKSHOPS

**10:30-12:00** **Vaccination** [Pasteur - Level 8](#)

Mechanisms of epidermal and intradermal routes of immunization

*Behazine Combadière - Paris (FR)*

Activation of Type 3 Innate Lymphoid Cells in the Lungs During Bacterial Infection

*Jean-Claude Sirard - Lille (FR)*

**Selected short oral presentations**

Receptor Activator of NF- $\kappa$ B (RANK) signaling in dendritic cells integrates CD4 T cell help for memory CD8 T cell activation - *Mohamed Habbedine - Marseille (FR)*

Pathogen-specific CD4<sup>+</sup> and CD8<sup>+</sup> T cell polyfunctionality is a correlate of immune protection  
*Martin Larsen - Paris (FR)*

Intravenous injection of MVA virus targets CD8<sup>+</sup> T lymphocytes to tumors to control tumor growth upon combinatorial treatment with a TLR9 agonist

*Laetitia Fend - Illkirch-Graffenstaden (FR)*

Vaccine-induced tumor regression requires the cooperation of macrophages and T cells

*Nadege Bercovici - Paris (FR)*



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## PARALLEL WORKSHOPS

- 10:30-12:00** **Auto-immunity** **Rubens - Level 9**
- Thymus specific serine protease controls the development of autoreactive CD4 T cells and autoimmunity - **Sylvie Guerder** - Toulouse (FR)
- TCR signaling events are required for maintaining regulatory CD4 T-cell numbers and suppressive capacities in the periphery - **Bruno Lucas** - Paris (FR)
- Selected short oral presentations**
- Regulatory T cell homeostasis and function are dependent of TNF $\alpha$  receptor 2  
*Charlotte Pouchy* - Paris (FR)
- Cell-intrinsic estrogen receptor  $\alpha$  activation in CD4<sup>+</sup> T cells controls Th1/Th17 differentiation in trans and protects from CNS autoimmunity - *Laure Garnier* - Toulouse (FR)
- Tristetraprolin expression by keratinocytes plays a key role in the control of skin inflammation  
*Mathieu Andrienne* - Gosselies (BE)
- Amelioration of arthritis through the shifting of Fc $\gamma$ RIIA-ITAM from activation to inhibitory configuration - *Sanae Ben Mkaddem* - Paris (FR)
- 10:30-12:00** **B Lymphocytes** **Goya - Level 9**
- The composition of microbiota is pivotal in driving the differentiation of regulatory B cells  
**Claudia Mauri** - Londres (UK)
- Impact of a gain-of-function mutation of CXCR4 on the germinal centre reaction and humoral immunity - **Marion Espeli** - Clamart (FR)
- Selected short oral presentations**
- Remodeling class-switched memory B cells in secondary germinal centers  
*Pierre Milpied* - Marseille (FR)
- Characterization and organization of infiltrating B-cells in human breast cancer  
*Soizic Garaud* - Brussels (BE)
- Anti-TNF Therapy Restores Peripheral Blood B Cell Subsets and CD40 Expression in Inflammatory Bowel Diseases - *Zhe Li* - Leuven (BE)
- Stromal RANKL regulates B cell follicle formation - *Christopher Mueller* - Strasbourg (FR)
- 10:30-12:00** **Détection d'évènements rares** **Eurotop - Level 5**
- Modérateurs** : *Thierry Idziorek* - Lille (FR) et *Jean-François Mayol* - Grenoble (FR)
- Cytometry Contribution in circulating endothelial cells detection - *David Smadja* - Paris (FR)
- Comment "sortir" une aiguille d'une botte de foin ? - *Thierry Idziorek* - Lille (FR)
- Communications orales courtes sélectionnées**
- Une nouvelle approche de production d'anticorps monoclonaux humains spécifiques de complexes peptide/CMH - *Laetitia Gautreau* - Nantes (FR)
- Monitoring of three drinking water treatment plants using flow cytometry  
*Karim Helmi* - Saint-Maurice (FR)

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- 12:00-14:30** **Lunch** **Espace Jeanne de Flandre - Level 11**
- Coffee - Visit of exhibition - Poster session** **Espace Flandre - Level 8**

# WEDNESDAY 5 NOVEMBER - AFTERNOON

SFI

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13:45-14:30

**SFI General Assembly**  
**AFC General Assembly**

[Pasteur - Level 8](#)

[Eurotop - Level 5](#)

## PARALLEL WORKSHOPS

14:30-15:15

Sponsored by



**Lectures by Jacques Oudin Awards Laureates and Jacques Oudin Awards Ceremony**

[Pasteur - Level 8](#)

**Chairs:** Jean-Luc Teillaud - Paris (FR) and Rémi Urbain - Les Ulis (FR)

Mechanistic characterization and clinical applications related to cell death and cross-priming  
Matthew L. Albert - Paris (FR)

Immunoscore in the era of cancer immunotherapies - Jérôme Galon - Paris (FR)

15:15-16:00

**François Kourilsky Lecture**

[Pasteur - Level 8](#)

**Chair:** Sebastian Amigorena - Paris (FR)

Natural Killers, Innate Lymphoid cells and Innate Immunity - Éric Vivier - Marseille (FR)

16:00-16:50

**Grabar Conference**

[Pasteur - Level 8](#)

**Chair:** Catherine Sautes-Fridman - Paris (FR)

Transcriptional network controlling development of Tregs and Th17 cells  
Veejay K. Kuchroo - Boston (US)

14:30-16:00

**Microbiologie industrielle**

[Rubens - Level 9](#)

**Modérateurs :** Steve Crussard - Lyon (FR) et Marielle Bouix - Thiverval-Grignon (FR)

La cytométrie en flux un nouvel outil de caractérisation des gels d'aluminium utilisés comme adjuvant dans les vaccins - Marc Lanson - Marcy L'Étoile (FR)

Development of antibodies used with flow cytometry for specific enumeration of probiotics in multi-strain products - Camille Chiron - Montréal (CA)

**Communications orales courtes sélectionnées**

Mise au point d'une méthode de détection des Brettanomyces par immunocytométrie  
Vincent Genty - Saint Malo (FR)

Influence de la phagocytose sur l'expression de surface des glycanes de Candida albicans  
Aurore Sarazin - Lille (FR)

14:30-15:15

**Symposium Alexion**

[Eurotop - Level 5](#)

Sponsored by



**Modérateur :** Bernard Drénou - Mulhouse (FR)

Présentation des 4 cas de l'échange interlaboratoire - Bernard Drénou, Mulhouse (FR)

Rappels de la terminologie (limite de détection, sensibilités) - Rémi Letestu, Bobigny (FR)

Explication des statistiques robustes - Agathe Debliquis, Mulhouse (FR)

Observatoire du petit clone - Oriane Wagner-Ballon, Créteil (FR)

15:15-16:00

**Symposium eBioscience**

[Eurotop - Level 5](#)

Sponsored by



**Genomics meets proteomics using FlowRNA Assay**

An example of use in: Sex differences in the pDC TLR7/IFN $\alpha$  pathway

Morgane Griesbeck - Paris (FR)

16:00-16:45

**Symposium Beckman Coulter**

[Eurotop - Level 5](#)

Sponsored by



DuraClone : la solution pour les Etudes Multicentriques en cytométrie multicolore

Jacques Vigne - Beckman Coulter France

Stratégie d'implantation et retour d'expérience : Etude Precisads

Christophe Jamin - Brest (FR)

Le support d'un spécialiste dans l'élaboration des cocktails

Olivier Jaen - Beckman Coulter France



17:00-17:30 Coffee break - Visit of exhibition - Poster session

[Espace Flandre - Level 8](#)

## PARALLEL WORKSHOPS

17:30-19:00

### Tolerance

[Rubens - Level 9](#)

CD3 antibody-induced tolerance: from autoimmunity to transplantation  
*Sylvaine You - Paris (FR)*

Tolerogenic Dendritic Cells therapy, from animal models to clinical protocol  
*Maria-Cristina Cuturi - Nantes (FR)*

#### Selected short oral presentations

Mouse and human CD8<sup>+</sup> CD28<sup>low</sup> regulatory T cells differentiate as a separate lineage in the thymus  
*Yirajen Vuddamalay - Toulouse (FR)*

Liver gene transfer induces tolerance toward allogeneic MHC I molecule  
*Valentin Le Guen - Nantes (FR)*

CD226 identifies an alternative program of differentiation generating two distinct NK cell functional subsets  
*Ludovic Martinet - Toulouse (FR)*

Impact of exogenous galectin-9 on human T cells : contribution of the TCR complex to antigen-independent activation but not apoptosis induction  
*Claire Lhuillier - Villejuif (FR)*

17:30-19:00

### Myeloids Cells

[Pasteur - Level 8](#)

The Role of I $\kappa$ B Kinase (IKK) in Inflammation and Immunity  
*Toby Lawrence - Marseille (FR)*

Role of ILC2s in the induction of alternatively activated macrophages during peripheral nerve injury  
*Martin Guilliams - Ghent (BE)*

#### Selected short oral presentations

Mast cells aggravate sepsis in mice by inhibiting peritoneal macrophage phagocytosis  
*Gregory Gautier - Paris (FR)*

CD169<sup>high</sup> spleen macrophages are efficient antigen presenting cells with unique molecular equipment  
*François-Xavier Mauvais - Paris (FR)*

Ly6C- monocytes regulate parasite-induced liver inflammation by inducing the differentiation of pathogenic Ly6C<sup>+</sup> monocytes into macrophages  
*Chloé Abels - Elsene (BE)*

Monocytes in human obesity: subsets and functions  
*Estelle Devèvre - Paris (FR)*



## PARALLEL WORKSHOPS

17:30-19:00

### Anti-tumor immunity

Eurotop - Level 5

Tumor dormancy: long-term survival in a hostile environment - **Bruno Quesnel** - Lille (FR)

Cytokine-induced senescence in cancers and recent success in cancer immunotherapy

**Martin Röcken** - Tübingen (DE)

### Selected short oral presentations

Effect of Nasopharyngeal Carcinoma-Derived Exosomes on Human Regulatory T Cells

**Dhafer Mrizak** - Lille (FR)

Epithelial-Mesenchymal Transition in Breast Cancer Carcinoma: an immune evasion mechanism?

**Amelien Sanlaville** - Lyon (FR)

Impact of adaptive T cell immunity on the antitumor efficacy of mTOR inhibitors

**Laurent Beziaud** - Besançon (FR)

Regulation and fonction of PD-1 on melanoma specific T lymphocytes for use in adoptive cell transfer trials

**Sylvain Simon** - Nantes (FR)

Role of tumor-infiltrating regulatory T cells according to the presence of tertiary lymphoid structures

**Priyanka Devi** - Paris (FR)

17:30-19:00

### Imagerie

Goya - Level 9

**Modérateurs** : **Julien Picot** - Évry (FR) et **Christian Slomianny** - Lille (FR)

Autoantibodies in brain circuits: uncovering cellular alteration using single nanoparticle imaging

**Laurent Groc** - Bordeaux (FR)

Apport des microtechnologies pour l'étude des propriétés diélectriques cellulaires : application au tri et à la capture de cellules biologiques en environnement microfluidique

**Olivier Français** - Cachan (FR)

### Communications orales courtes sélectionnées

Nouvel outil d'analyse topographique à haut débit de l'intensité de fluorescence sur cellule unique : application en immunologie fondamentale

**Sébastien Dussurgey** - Lyon (FR)

Développement d'une imagerie multi-échelles et multi-modalités pour caractériser *in vivo* les tumeurs et le microenvironnement associé

**Corinne Laplace-Builhé** - Villejuif (FR)

20:00

**Buffet dinner and Poster Prize Ceremony** with the support of "Mairie de Lille"

# THURSDAY 6 NOVEMBER - MORNING

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- 08:15-10:00** **PLENARY SESSION: Inflammation** **Pasteur - Level 8**  
*Chairs: Maria Leite de Moraes - Paris (FR) and François Trottein - Lille (FR)*  
Mechanisms of macrophage tissue infiltration - *Isabelle Maridonneau-Parini - Toulouse (FR)*  
From physiopathology to new therapeutic strategies in IBD - *Pierre Desreumaux - Lille (FR)*  
Is inflammation a key element of Alzheimer's disease? - *Delphine Boche - Southampton (UK)*  
Roles of Neutrophils in Antibody-induced Inflammation - *Pierre Bruhns - Paris (FR)*
- 08:15-10:00** **SESSION PLÉNIÈRE : Forum Technicien** **Eurotop - Level 5**  
*Modérateurs : Nicolas Bailly - Yvoir (BE) et Jacques Trauet - Lille (FR)*  
La quantification cellulaire absolue en cytométrie en flux : pièges et limites - *Nicolas Bailly*  
Comment optimiser le tri par cytométrie en flux ? - *Jacques Trauet*  
**Communications orales courtes sélectionnées**  
Comparative dose-responses of STAT5 phosphorylation to recombinant human IL-2 and IL-7 in CD4+FOXP3- cells versus regulatory T cells: A whole-blood perspective  
*Julie Demaret - Lyon (FR)*  
Comprehensive study of 3 nomenclatures to discriminate CD8 subsets in healthy volunteers and in kidney transplant recipients - *Michelle Yap - Nantes (FR)*  
Multiple defective follicular helper T cells subsets support inappropriate germinal center reaction in chronic HIV infection - *Angeline Rouers - Paris (FR)*

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**10:00-10:30** **Coffee break - Visit of exhibition - Poster session** **Espace Flandre - Level 8**

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## PARALLEL WORKSHOPS

- 10:30-12:00** **Allergic diseases** **Rubens - Level 9**  
NOD2-mediated exacerbation of allergen-induced asthma modifies IL-17 and IL-22 profiles  
*Anne Tsicopoulos - Lille (FR)*  
Mechanisms of induction of allergen-specific auxiliary T cell responses by lung dendritic cells  
*Christophe Desmet - Liège (BE)*  
**Selected short oral presentations**  
Antigen Presenting Cell-derived Interleukin-6 Restricts Th2 Responses  
*Fabienne Andris - Gosselies (BE)*  
Identification of factors of hypereosinophilia during nasal polyposis. Combined role of interleukin-5 and interleukin-9 in asthmatic patients  
*Isabelle Gengler - Lille (FR)*  
A regulatory CD9+ B cell subset controls HDM-induced allergic airway inflammation  
*Maxime Durand - Nantes (FR)*



# THURSDAY 6 NOVEMBER - MORNING

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## PARALLEL WORKSHOPS

10:30-12:00

### Immune Therapies

Pasteur - Level 8

Organized by



New biological and therapeutic strategies in the treatment of ANCA-associated vasculitides  
*Benjamin Terrier - Paris (FR)*

Biological strategies to overcome autoinflammatory diseases  
*Isabelle Koné-Paut - Le Kremlin-Bicêtre (FR)*

#### Selected short oral presentations

A novel anti-human ICOS antibody to cure graft versus host disease without weakening graft versus leukemia potential - *Aude Burlion - Paris (FR)*

Mannodendrimers attenuate LPS-induced dendritic cell maturation and prevent acute lung inflammation via C-type lectin SIGNR1 - *Sandro Silva Gomes - Toulouse (FR)*

Therapeutic drug monitoring of eculizumab: basis for an individualized schedule  
*Guillaume Brachet - Tours (FR)*

Anterior Chamber Associated Immune Deviation (ACAID): A new mechanism to inhibit specifically anti-transgene cellular immune responses in the context of systemic gene transfer?  
*Quentin Khebizi - Evry (FR)*

10:30-12:00

### Small RNAs and Transcriptomics

Eurotop - Level 5

Small RNA-directed control of the host innate immune response and its targeting by bacterial effectors - *Lionel Navarro - Paris (FR)*

MicroRNAs link the germinal center reaction with mature B cell lymphomagenesis  
*Almudena Ramiro - Madrid (SP)*

#### Selected short oral presentations

Human cytotoxic CD4 T cells express a CD8 T cell lineage transcriptional program  
*Yasmina Serroukh - Gosselies (BE)*

Interleukin 21-induced MHC class II<sup>+</sup> CD86<sup>+</sup> NK cells promote the expansion of human uncommitted CD4<sup>+</sup> central memory T lymphocytes - *Romain Loyon - Besançon (FR)*

Proteomic and genomic analysis of vascular smooth muscle cells from patients with giant cell arteritis - *Alexis Régent - Paris (FR)*

A role for the LUBAC in antigen receptor-mediated NF- $\kappa$ B activation and in lymphoma survival  
*Nicolas Bidère - Paris (FR)*

10:30-12:00

### Biologie Végétale et Océanographie

Goya - Level 9

**Modérateur :** *Mickael Bourge - Gif-sur-Yvette (FR)*

Measurement of pollen size variation and ploidy determination - *Danny Geelen - Gand (BE)*

Contribution de la cytométrie en flux à la taxonomie, la biologie du développement et la physiologie du stress chez les plantes - *Sergio Ochatt - Dijon (FR)*

#### Communications orales courtes sélectionnées

La cytométrie en flux appliquée à la recherche en écologie aquatique : une vue d'ensemble  
*Sarah Fiorini - St Pierre-lès-Nemours (FR)*

Caractérisation de la qualité cytogénétique des huîtres creuses (*Crassostrea gigas*) par cytométrie en flux : relation avec les crises de surmortalité - *Abdellah Benabdelmouna - Ronce-les-bains (FR)*

12:00-14:00

### Lunch

Espace Jeanne de Flandre - Level 11

Coffee - Visit of exhibition - Poster session

Espace Flandre - Level 8

# THURSDAY 6 NOVEMBER - AFTERNOON

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12:15-13:45

## Women in Immunology

Rubens - Level 8

Sponsored by



**Chairs:** *Sylvia Cohen-Kaminsky - Le Plessis-Robinson (FR) and Anne Hosmalin - Paris (FR)*

Current status of women at Inserm - *Christiane Durieux - Paris (FR)*

Breaking the Glass Ceiling - *Ingrid Bianchi - Boulogne Billancourt (FR)*

## PARALLEL WORKSHOPS

14:00-15:30

## Immune system ontogeny and Aging

Pasteur - Level 8

Innate immunity at the extremes of age, a focus on IL-12 and related cytokines

**Stanislas Goriely - Brussels (BE)**

Impact of herpes virus infections on immune aging - **Delphine Sauce - Paris (FR)**

### Selected short oral presentations

Impact of the MHC-restricting allele expression on the human Ag-specific thymic T cell repertoire - *Leslie Hesnard - Nantes (FR)*

TLR-induced cytokines promote effective pro-inflammatory Natural T-helper 17 cell responses  
*Maria Leite-de-Moraes - Paris (FR)*

Functionality of pre-DNGR1+CD8 $\alpha$ + dendritic cells in early life - *Arnaud Köhler - Gosselies (BE)*

A novel aging-associated B-cell subset controls antitumor CD8+ T-cell response  
*Catalina Lee-Chang - Baltimore (US)*

14:00-15:30

## Chronic Infections

Rubens - Level 9

B cells modulate inflammation during Mycobacterium tuberculosis infection in a MyD88- and type I interferon-dependent manner - **Olivier Neyrolles - Toulouse (FR)**

Hepatitis B chronic infections: A still overlook entity - **Isabelle Chemin - Lyon (FR)**

### Selected short oral presentations

CD44 controls T cell exhaustion and viral persistence during chronic viral infection  
*Florent Carrette - San Diego (US)*

Alteration of gamma delta subsets in solid organ transplanted patients at the acute phase of hepatitis E virus infection - *Eric Champagne - Toulouse (FR)*

Purinergic pathway affects the response of human macrophages infected with Mycobacterium tuberculosis - *Laetitia Petit-Jentreau - Paris (FR)*

An anti-apoptotic drug prevents disease progression in SIV-infected rhesus macaques  
*Mireille Laforge - Paris (FR)*

14:00-15:30

## Inflammatory Bowel Diseases

Eurotop - Level 5

Innate immune sensors in protection and pathology in the intestine - **Kevin Maloy - Oxford (UK)**

Adhesion molecules: the best target in inflammatory bowel disease?

**Laurent Peyrin-Biroulet - Nancy (FR)**

### Selected short oral presentations

Evidence for the differential subordination of the IL-18 / IFN-gamma axis to caspase-1 among patients with Crohn's disease - *Anne Jarry - Nantes (FR)*

Role of Mannose Binding Lectin in intestinal homeostasis and pathogen  
*Laura Choteau - Lille (FR)*

Murine osteoclasts derived from dendritic cells induce TNF $\alpha$ -producing CD4+ T cells in inflammatory bowel disease - *Lidia Ibañez - Nice (FR)*

Prediction of Clinical Response to Anti-TNF Therapy for Inflammatory Bowel Diseases by Circulating Foxp3(+) and Foxp3(-) regulatory T cell Subsets but not by B Cells

*Zhe Li - Leuven (BE)*



# THURSDAY 6 NOVEMBER - AFTERNOON

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## PARALLEL WORKSHOPS

- 14:00-15:30** **Hématologie 2** [Artois - Level 5](#)  
**Modérateurs :** *Bernard Chatelain - Yvoir (BE) et Francine Garnache-Ottou - Besançon (FR)*  
Microparticle enumeration and standardization by flow cytometry  
*Romarick Lacroix - Marseille (FR)*  
Phénotype des PNN dans le sepsis - *Jean Feuillard - Limoges (FR)*  
Détection des cellules cancéreuses par cytométrie en flux - *Christophe Ginestier - Marseille (FR)*  
**Communications orales courtes sélectionnées**  
Intérêt de la maladie résiduelle, à J15 dans le sang, par cytométrie en flux, au cours des leucémies lymphoblastiques B : Mesure de la réponse précoce au traitement  
*Isabelle Arnoux - Marseille (FR)*  
Optimisation de la détection des cellules métastatiques médullaires de neuroblastome par cytométrie en flux multiparamétrique - *Véronique Latger-Cannard - Vandoeuvre-les-Nancy (FR)*  
Etude de l'expression du CD180 et du CD200 dans la classification des néoplasies des lymphocytes B en cytométrie en flux - *Stephan Frédéric - La Louvière (BE)*
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- 15:30-16:00** **Coffee break - Visit of exhibition - Poster session** [Espace Flandre - Level 8](#)
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- 16:00-16:30** **Keynote Lecture** [Pasteur - Level 8](#)  
**Chair:** *Anne Hosmalin - Paris (FR)*  
The histone-H3 methyltransferase Suv39h1 is required for CD8+ T cell heterochromatin organization and clonal expansion - *Sebastian Amigorena - Paris (FR)*
- 16:30-18:15** **PLENARY SESSION: Metabolism and Immunity** [Pasteur - Level 8](#)  
**Chairs:** *Isabelle Wolowczuk - Lille (FR) and Oberdan Leo - Brussels (BE)*  
Immune regulation of adipose tissue function and mass - *Anthony W. Ferrante - New-York (US)*  
Host/Microbiota mutualism: learning on the fly - *François Leulier - Lyon (FR)*  
Targeting intestinal innate immunity controls gut microbes and host metabolism during obesity and type 2 diabetes - *Patrice Cani - Brussels (BE)*
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- 18:15-18:30** **SFI Best Oral Presentation Awards** [Pasteur - Level 8](#)
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- 18:30** **Meeting closing**

