

8:30 - 8:55 OPENING OF THE REGISTRATION DESK - WELCOME COFFEE

8:55 - 9:00 SYMPOSIUM INTRODUCTION

9:00 - 10:30 am SESSION 1
Chair : Céline COUGOULE Mary POUPOT

9:00 - 9:45 KEYNOTE LECTURE 1 - **Charlotte SCOTT** (Ghent, Belgium)
Zeb2 and maintenance of macrophage tissue-specific identities

9:45 - 10:15 LECTURE 1 - **Arnaud JACQUEL** (C3M, Nice, France)
Molecular characterization of the mechanisms involved in macrophage differentiation of monocytes

10:15 - 10:30 SELECTED ABSTRACT 1- **Nguyen Chi Mai** (DIMNP, Montpellier, France)
Pro-regenerative Protectin D1 controls immune cell function during epimorphic regeneration

10:30 - 10:45 *Coffee break (15')*

10:45 - 12:30 pm SESSION 2
Chairs: Florence APPARAILLY & Yoann ROMBOUTS

10:45 - 11:30 KEYNOTE LECTURE 2 - **Dominique BAETEN** (UCB pharma , Amsterdam, Netherlands)
Macrophage-derived pro-inflammatory cytokines in chronic arthritis: how one single mediator can lead to completely different phenotypes

11:30 - 12:00 LECTURE 2 - **Audrey VARIN** (Stromalab, Toulouse, France)
Interaction with pro-inflammatory macrophages modulated immunosuppressive function of human mesenchymal stromal cells

12:00 - 12:15 SELECTED ABSTRACT 2- **Rémi Planès** (IPBS, Toulouse, France)
Localization of Pseudomonas dictates differential NLR4 inflammasome-conferred host immunity

12:15 - 12:30 SELECTED ABSTRACT 3- **Sindhu Kotagudda** (Biotis, Bordeaux, France)
Low molecular weight hydrogels as injectable scaffolds for tuning the foreign body reaction

12:30 - 1:45 pm *Lunch / Networking (1h15)*

1:45 - 3:30 pm		SESSION 3 Chairs: Yannick DEGBOÉ & Christel VEROLLET
1:45 pm - 2:30 pm	KEYNOTE LECTURE 3 - Elisa GOMEZ-PERDIGUERO (Institut Pasteur, Paris, France) Development of resident macrophages and their maintenance during ageing	
2:30 pm - 3:00 pm	LECTURE 3- Florence PERRIN (IBN, Montpellier, France) RNA-Seq analysis of microglia reveals time-dependent activation of specific genetic programs following spinal cord injury.	
3:00 pm - 3:15 pm	SELECTED ABSTRACT 4- Solène Accarias (IPBS, Toulouse, France) Generation of an immortalized murine macrophage cell line: characterization and functional study	
3:15 pm - 3:30 pm	SELECTED ABSTRACT 5- Virginie Gavioli (Stromalab, Toulouse, France) Macrophages derived from endogenous adipose tissue hematopoiesis drive regeneration in adult mice	
3:30 pm - 3:45 pm	<i>Coffee break (15')</i>	
3:45 pm - 5:15 pm		SESSION 4 Chairs: François CANONNE-HERGAUX & Céline DERAISON
3:45 pm - 4:30 pm	KEYNOTE LECTURE 4 – Hal DRAKESMITH (Weatherall Institute of Molecular of Medicine, Oxford, UK) Iron, hepcidin and macrophages: implications for innate and adaptive immunity	
4:30 pm - 5:00 pm	LECTURE 4 - Hélène AUTHIER (IRD, Toulouse, France) Dectin-1 on macrophages promotes inflammatory responses contributing to the severity of inflammatory bowel diseases	
5:00 pm - 5:15 pm	SELECTED ABSTRACT 6- Vanesa Ayala Nunez Nilda (IRIM, Montpellier, France) Transendothelial migration of HIV-infected monocytes: a role for monocytic tight junction-associated proteins?	
5:15pm - 5:30 pm		SESSION 5 Chair : Florence APPARAILLY & François CANONNE-HERGAUX
5:15pm - 6:00 pm	KEYNOTE LECTURE 5 - Sandrine HENRI (CIML, Marseille, France) Dermal Macrophages : Failure of the phagocytosis process	
6:00pm - 6:15 pm		PRICES AND CONCLUSIONS