

12-13 May 2022 — SYMPOSIUM

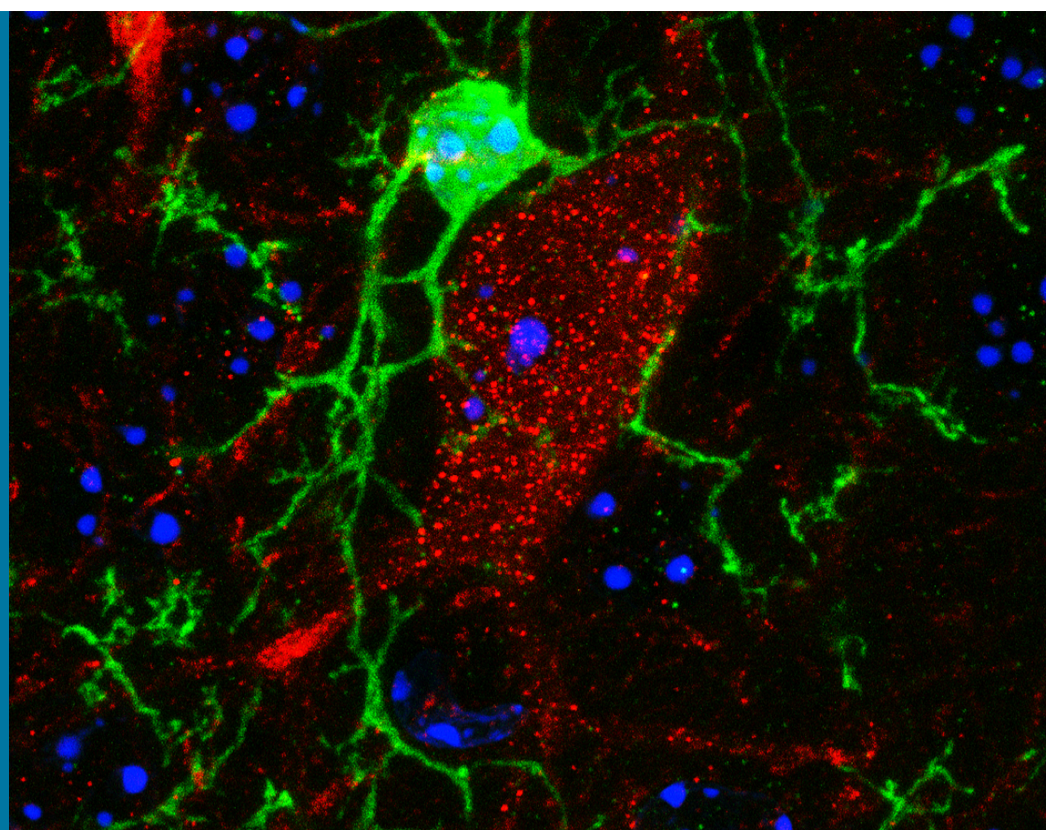
Amphithéâtre Maurice Halbwachs

From Development to Neurodegeneration: Roles of Microglia and Other Immune Brain Cells

COLLÈGE
DE FRANCE
—1530—

CHAIRE NEUROBIOLOGIE
ET IMMUNITÉ

Organisation :
Sonia Garel



Thursday May 12th

09h00 Introduction

09h15 Melanie Greter (Zurich University, Switzerland)

Regulation and Function of Brain Macrophages

09h50 Florent Ginhoux (IGR, Villejuif, France)

Heterogeneity of Myeloid Cells in the CNS

10h25 Réjane Rua (CIML, Marseille, France)

When Brain Borders Take Center Stage: Role of Meningeal Macrophages in Neuroinflammation and Neurocognition

11h00 Break

11h25 Rosa Paolicelli (UNIL, Lausanne, Switzerland)

Microglia-Mediated Synapse Remodeling in Brain Development and Disease

11h55 Amanda Sierra (Achucarro Basque Center for Neuroscience, Bilbao, Spain)

Not Just Corpse Removal: How Microglial Phagocytosis Maintains Brain Tissue Homeostasis

12h30 Lunch

14h00 Susanne Wolf (Charité University, Berlin, Germany)

Sexual Dimorphism in Microglia Derived from a Monogenetic Mouse Model of Autism Spectrum Disorder

14h35 Pierre Gressens (Robert Debré Hospital, Inserm, Paris, France)

Impact of Neuroinflammation on Perinatal Brain Development: Role of Microglia and Other Immune Cells

15h10 Break

15h40 Bart Eggen (University of Groningen, Netherlands)

Microglia in Human CNS Development and Disease

16h15 Michela Matteoli (Humanitas University, Milan, Italy)

Microglial TREM2 in the Shaping of Brain Synapses and Circuit

16h50 Alain Bessis (IBENS, Paris, France)

Microglial TNF α Controls Inhibitory Synapse Plasticity and Sleep

Friday May 13th

09h15 Valérie Wittamer (IRIBHM, ULB, Bruxelles)

Cellular and Molecular Mechanisms Regulating Microglia Cell Fate in Vivo: Insights from the Zebrafish Model

09h50 Anne Roumier (IFM, Paris, France)

Regulation of Microglia by Serotonin: Impact on Brain Circuits Refinement and Behavior

10h25 Diego Gomez-Nicola (University of Southampton, UK)

Understanding Microglia from Development to Age-Related Neurological Disorders

11h00 Break

11h25 Anne Desmazières (ICM, Paris, France)

Neuro-Microglial Interaction at the Node of Ranvier in Health and Disease

11h55 Etienne Audinat (IGF, Montpellier, France)

Microglia-Astrocyte Signaling Responsible for Increased Excitatory Synaptic Transmission during Epileptogenesis

12h40 Lunch

14h00 Steffen Jung (Weizmann Institute, Rehovot, Israel)

Microglia - T Cell Interactions in Autoimmune Cns Pathology

14h35 Elvira Mass (Limes Institute, Bonn, Germany)

Decoding the Immune Response to Ischemic Stroke upon Aging

15h10 Séverine Boillée (ICM, Paris, France)

Microglia and Peripheral Macrophages Contribution to ALS Progression and Neurodegeneration

15h45 Concluding Remarks

Image : Interaction microglie et neurone © Sonia Garel

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