

Dear friends and colleagues,

It is my pleasure to welcome you to our 7th Venusberg meeting on neuroinflammation. As I have accepted a new challenge as Director of the Luxembourg Centre for Systems Biomedicine (LCSB) at the University of Luxembourg in January 2022, the Venusberg Meeting is also moving to Luxembourg.

This year we intend to cover the many roles of immune mechanisms in neurological disease and their potential as diagnostic or therapeutic targets.

We have composed sessions that span a variety of fields, including new genetic hints at the etiology of neurodegenerative diseases, the role of the microbiome for CNS function and aspects of neuron-microglia interactions. Renowned speakers will cover neuroinflammation topics and connect their recent findings and insights to clinical observations and the development of novel treatment strategies.

We hope you will enjoy your participation and your visit to Luxembourg.

Michael Heneka
on behalf of the Organizational Committee

Scientific Committee

Michael Heneka, Alexei Verkhratsky, Dave Morgan, Elisabeth Letellier, Simone Niclou, Guy Berchem, Renzo Mancuso

Registration

from November 2022 on

Abstract Submission Deadline

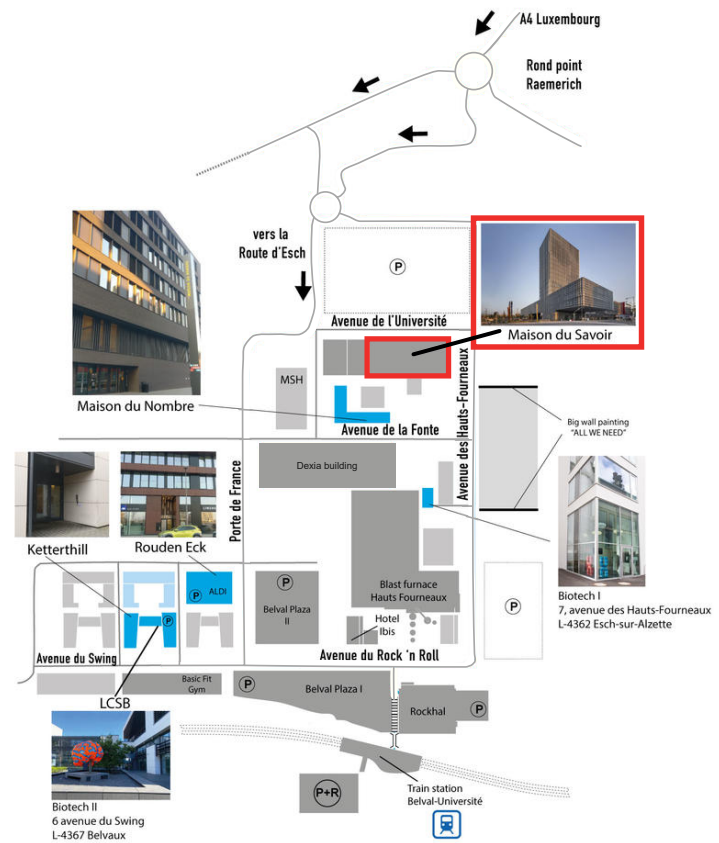
March 15th 2023

Support



Venue

The meeting venue is located on the Belval Campus, Maison du Savoir (MSA, 3.500) on the premises of the University of Luxembourg. For further information on how to access, please visit the website: <https://neuroinflammation.uni.lu>



If you truly love nature-neuroscience, you will find beauty everywhere - by Sean Keating, Queensland Brain Institute, Australia (provided under CC BY 4.0 licence)

The 7th Venusberg Meeting on Neuroinflammation

Neuroimmune interactions in acute and chronic CNS disorders

Campus Belval, Luxembourg
May 11th - 13th, 2023

Organizational Committee

Sabrina Darbeida, Sabine Schmitz, Julia Kessler, Cathia Rausch, Laurie Skrzypczak

Contact

LCSB

Luxembourg Centre for Systems Biomedicine

6, Avenue du Swing
L-4367 Belvaux

@ sabrina.darbeida@uni.lu
cathia.rausch@uni.lu

☎ (+352) 46 66 44 5923

🌐 <https://neuroinflammation.uni.lu>



Thursday, May 11th

8:45 Welcome (Jens Kreisel and Michael Heneka, Luxembourg)

9:00 Plenary Talk 1: Immunogenetics of neurodegenerative diseases (Carlos Cruchaga, St. Louis)

Session 1 - Genetics

10:00 Genetic risk variants and their impact on disease progression in AD (Alfredo Ramirez, Bonn)

10:30 Coffee Break

11:00 RNA editing in AD (Philip de Jager, New York)

11:30 GWAS findings in AD: what's next? (Jean-Charles Lambert, Lille)

12:00 Luxembourg National Research Fund presentation

12:15 Lunch and Poster Session

13:30 Plenary Talk 2: Microbiome control of immunity (Eran Elinav, Rehovot)

Session 2 - Microbiome

14:30 The microbiota-gut-brain axis (Anthony Hannan, Melbourne)

15:00 Natural microbiome shaped immune responses (Barbara Rehermann, Washington)

15:30 Coffee Break

16:00 2 Blitz Talks

Session 3 - Microglia

16:15 The microglia protection of neurons through somatic junctions (Adam Denez, Budapest)

16:45 The role of microglia in remodeling hippocampal neurogenesis (Amanda Sierra, Bilbao)

17:15 The effects of hypoxia on AD (Alberto Pascual, Sevilla)

17:45 Functional implications of the epigenetic mapping of human microglia (Nicole Coufal, San Diego)

18:15 TAM receptors in AD (Hyuk Chan Kim, Daejeon)

Friday, May 12th

8:30 Plenary Talk 3: The microglia diversity (Bertrand Joseph, Stockholm)

Session 4 - Cancer

9:30 The glioblastoma myeloid landscape and single cell phenotypes (Kiavash Movahedi, Brussels)

10:00 The functional heterogeneity of glioma-associated brain immune cells (Bozena Kaminska, Warsaw)

10:30 Coffee Break

11:00 The early neurodegeneration and immune mechanisms in AD (Stefan Teipel, Rostock)

11:30 Plenary Talk 4: The mutual control between neurons and microglia (Anne Schäfer, Cologne)

12:30 Lunch and Poster Session

13:45 2 Blitz Talks

Session 5 - Emerging Targets

14:00 The interplay of T cells and neurodegenerative disease antigens (David Gate, Chicago)

14:30 T-lymphocytes in AD: models and modification (Alon Monsonego, Beer-Sheva)

15:00 The cGAS-STING pathway as a mediator for inflammation (Andrea Ablasser, Lausanne)

15:30 2 Blitz Talks

15:45 Coffee Break

16:15 Plenary Talk 5: TREM2 risk polymorphisms in AD (Marco Colonna, St. Louis)

Session 6 - Inflammation

17:15 Galectin-3 in AD: a future target in AD? (Tomas Deierborg, Lund)

17:45 Astroglia as a treatment target in neurodegenerative diseases (Malú Tansey, Gainesville)

18:15 2 Blitz Talks

19:00 Carousel Dinner and Poster Session

Saturday, May 13th

9:00 Plenary Talk 6: Modeling neurological disease for drug research (Richard Ransohoff, Boston)

Session 7 - Disease Modeling

10:00 CRISPR/Cas modulation of immune cells (Martin Kampmann, San Francisco)

10:30 Coffee Break

11:00 The microglia network in zebrafish (Francesca Peri, Zurich)

11:30 *In vivo* models of α -synuclein transmission (Donato Di Monte, Bonn)

12:00 2 Blitz Talks

12:15 Lunch

13:30 Plenary Talk 7: APOE in tau-mediated neurodegeneration (David Holtzman, St. Louis)

Session 8 - Clinical Aspects of Neuroinflammation

14:30 Inflammatory biomarkers in CSF and blood (Charlotte Teunissen, Amsterdam)

15:00 Using spatial genomics to study the CNS in health and disease (Hemali Phatnani, New York)

15:30 Coffee Break

16:00 2 Blitz Talks

16:15 The role of myeloid cells in PD (Towfique Raj, New York)

16:45 Proinflammatory cytokines and decrease of memory function (Brienne Bettcher, Denver)

17:15 Wrap up and closing (Michael Heneka, Luxembourg)

