Dear friends and colleagues,

We cordially invite you to the 6th Venusberg Meeting on Neuroinflammation. This year a special emphasis will be put on the interaction between neurodegenerative and neuroinflammatory mechanisms. Speakers from all areas of neuroinflammation will present the most recent findings and developments in order to stimulate vivid and challenging discussions. More information on the program, venue and registration can be found at the website of the DZNE (www.dzne.de/Venusbergmeeting2019)

We look forward to welcome you here in Bonn!
Michael Heneka, Pierluigi Nicotera

Scientific organisation and SAB

Michael Heneka, Eicke Latz, Richard Ransohoff, Dave Morgan, Elvira Mass, Hugh Perry, Anja Schneider, Annett Halle

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Venue

The meeting venue is located in the DZNE building (building 99) on the premises of the University Clinic Bonn. There is a bus (line SB60) from the Cologne/Bonn airport to Bonn main station. From there you either take a taxi or bus line 601 heading to “Uniklinikum Süd”. Get off at the last bus stop “Uniklinikum Süd”. For further information, please check www.dzne.de/Venusbergmeeting2019

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6th Venusberg Meeting on Neuroinflammation

Neurodegeneration meets neuroinflammation: the mutual interactions between immune cells and neurons
Bonn, May 9th - 11th, 2019
Thursday, May 9th

08:45 Welcome (Nicotera, Heneka)
09:00 Plenary talk 1: AD risk polymorphisms and innate immunity (Alison Goate, New York)

Session 1 Microglial transcriptomics
10:00 Microglial mosaicism and somatic mutations (Frederic Geissmann, New York)
10:30 Tabula muris (Tony Wyss Coray, Stanford)
11:00 Coffee break
11:30 Microglia, aging and transcriptome (Elisabeth Bradshaw, New York)
12:00 Aging associated changes in cortical human microglia (Bart Eggen, Groningen)
12:30 Role of Trem2 for neurodevelopment (Michela Matteoli, Milano)
13:00 Blitz talks (selected from the posters)
13:15 Lunch and Poster session

Session 2 Sepsis and systemic inflammation
15:00 What have we learned (and what not) from anti-inflammatory therapies in AD? (John Breitner, Montreal)
15:30 Ykl40, MRI and clinical progress of Alzheimer’s disease (Jose Molineuvo, Barcelona)
16:00 Coffee break
16:30 Cognition after delirium and inflammation (Arjen Slooter, Utrecht)
17:00 Imaging in Delirium and Sepsis (Mayur Patel, Nashville)

Friday, May 10th

09:00 Plenary talk 2: Trem2- the ultimate update (Marco Colonna, St. Louis)

Session 3 DAMP-related immune stimuli in the CNS
10:00 Importance of microbial amyloid for neurodegenerative disease (Robert Friedland, Louisville)
10:30 The pervasive innate immune effects of Aβ in microglia (Michael R. Nichols, St.Louis)
11:00 Coffee break
11:30 Abeta seeding and microglia (Melanie Meyer-Lühmann, Freiburg)
12:00 The immunology of prion diseases (Adriano Aguzzi, Zürich)
12:30 Microglia regulation by TNFalpha in Parkinson’s disease (Malu Tansey, Atlanta)
13:00 Blitz talks (selected from the posters)
13:15 Lunch and Poster session

Session 4 Immune cell diversity and local regulation
15:00 Local specification of phagocytes in multiple sclerosis (Martin Kerschensteiner, Munich)
15:30 Regulation of brain-region specific microglial clearance activity (Anne Schaefer, New York)
16:00 Coffee break
16:30 From microglial diversity in health to complexity in disease (Barry Mccoll, Edinburgh)
17:00 Cholinergic regulation of brain inflammation (Hermona Soreq, Jerusalem)
17:30 Round table discussion Where are we with animal models of neurodegeneration? (Dave Morgan, Grand Rapids, Hugh Perry, Southampton Richard Ransohoff, Boston)

Saturday, May 11th

09:00 Plenary talk 3: Microglia regulation and tracking at single cell resolution (Li-Huei Tsai, Boston)

Session 5 Emerging targets
10:00 Interaction between tau and inflammation in the brain (Morgan Sheng, San Francisco)
10:30 Secreted-Frizzled-Related Protein-1 in neurodegeneration (Paola Bovolenta, Madrid)
11:00 Coffee break
11:30 A role for neutrophils in Alzheimer’s disease (Gabriela Constantin, Verona)
12:00 Fibrin-based immunotherapies for neuroinflammation and neurodegeneration (Katarina Akassoglou, San Francisco)

Session 6 Microglial proliferation and development
12:30 Microglia proliferation-dependent repopulation (Bo Peng, Shenzen)
13:00 Microglia development in cerebral organoids (Lot de Witte, Utrecht)
13:15 Lunch and Poster session

Session 7 Inflamasomes in the brain
15:00 NLRP1 inflamasome in AD (Andrea LeBlanc, Montreal)
15:30 Regulation of microglia inflamasome activation by A20 (Geert van Loo, Gent)
16:00 Inflamasome in neurological disease (David Brough, Manchester)
16:30 Role of the NLRP3 Inflamasome pathway in epilepsy (Kenny Futai, Worcester)
17:00 Closing remarks (Hugh Perry, Southampton, Richard Ransohoff, Boston)