Part I: Human Aging and Cognition

Karolinska Institutet

Organizer: Rochellys Diaz Heijtz

Thursday, October 28: Morning

09.00-09.50

Prof. Jon Laman, University Medical Center Groningen (UMCG), Groningen, Sweden

Bacterial peptidoglycan as a cofactor in chronic brain inflammation: multiple sclerosis as a prime case

10.00-10.50

Asst. Prof. Rui Wang, Karolinska Institutet, Stockholm, Sweden

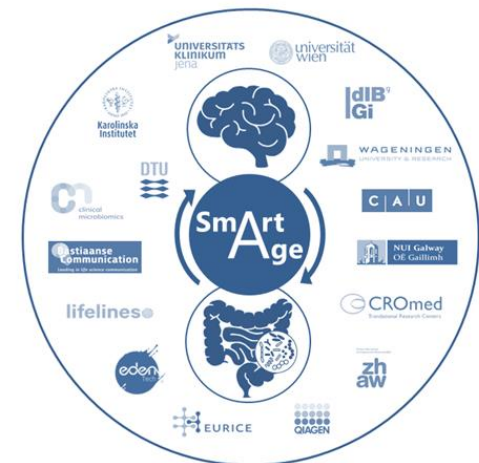Age-related brain changes: modifiers and determinants

11.00-12.00

Prof. Dr. phil. Kathrin Finke, Hans-Berger Klinik für Neurologie, Jena, Germany

Visual attention in normal and pathologically aging humans

12.00-13.00

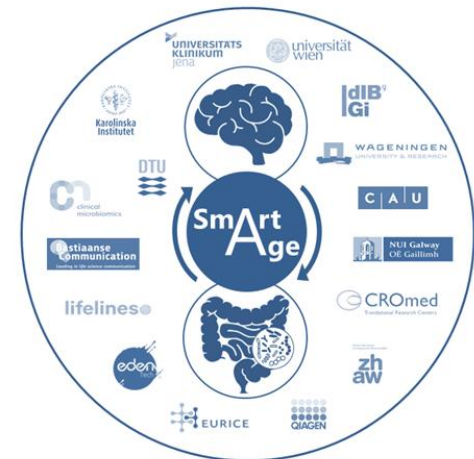Lunch

Thursday, October 28: Afternoon

13.00-13.50
Assoc. Prof. Daniel Ferreira Padilla, Karolinska Institutet, Stockholm, Sweden
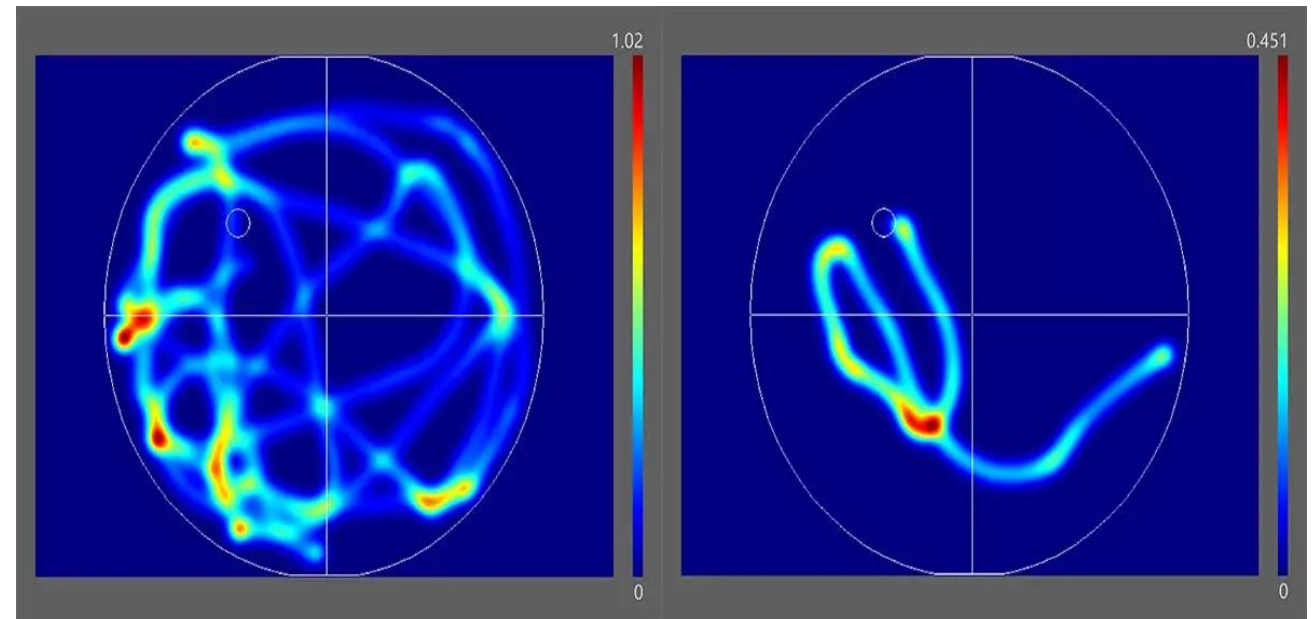Advanced imaging for the study of human aging and cognition

14.00-14.30
General discussion

Part II: The Microbiome and Cognitive Aging

Behavioral Phenotyping Assays in mice

Karolinska Institutet

Organizer: Rochellys Diaz Heijtz

Friday, October 29: Morning

09.00-09.50

Prof. Thorsten Buch, University of Zurich, Switzerland

The 3Rs principle in animal experimentation

10.00-10.50

Assoc. Prof. Rochellys Diaz Heijtz, Karolinska Institutet, Stockholm, Sweden

Behavior testing in rodents: Highlighting potential confounds affecting variability and reproducibility
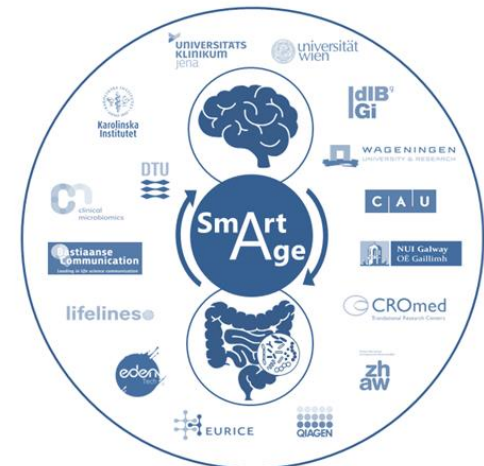
11.00-12.00

Dr. Yu Qian, Karolinska Institutet, Stockholm, Sweden

Rodent behavioral tests for cognition

12.00-13.00

Lunch

Friday, October 29: Afternoon

13.00-13.50

Dr. Marcus Böhme, Nestlé Research Centre in Lausanne, Switzerland

Microbiota from young mice counteracts selective age-associated behavioral deficits, Part I

14.00-14.50

Dr. Katherine E. Guzzetta, University College Cork, Cork, Ireland

Microbiota from young mice counteracts selective age-associated behavioral deficits, Part II

15.00-15.30

General discussion