

SCHEDULE

FUNCTIONAL BRAIN IMAGING: PAST, PRESENT, AND THE FUTURE

JUNE 15-16, 2016

LECTURE HALL G "HÖRSAL G", HUMANISTHuset

UMEÅ UNIVERSITY



Wednesday, June 15, 2016

09.30-10.00 REGISTRATION and COFFE/TEA

INTRODUCTION

10.00-10.10 **MARTIN INGVAR**, CHAIRMAN OF UFBI, KAROLINSKA INSTITUTET

10.10-10.30 **LARS NYBERG**, DIRECTOR OF UFBI, UMEÅ UNIVERSITY

A LIFE-SPAN PERSPECTIVE ON BRAIN IMAGING AND FUNCTION

10.30-11.00 **LECTURE 1: *Aging starts in the womb - factors influencing brain and cognition through the lifespan***
KRISTINE WALHOVD, OSLO UNIVERSITY, NORWAY

11.00-11.30 **LECTURE 2: *Memory representations and networks***
ROBERTO CABEZA, DUKE UNIVERSITY, USA

11.30-12.00 **LECTURE 3: *Brain networks across the healthy adult lifespan***
LINDA GEERLIGS, CAMBRIDGE, UK

12.00-13.15 LUNCH, on invitation only

13.15-13.45 **LECTURE 4: *Age-Brain-Cognition findings from the 'N=700' cohort within the CamCAN***
RICHARD HENSON, CAMBRIDGE, UK

13.45-14.15 **LECTURE 5: *Brain correlates of episodic long-term memory in aging***
ANDERS FJELL, OSLO UNIVERSITY, NORWAY

14.15-14.45 **LECTURE 6: *Explorations of connectivity in aging and Alzheimer's disease***
TREY HEDDEN, HARVARD MEDICAL SCHOOL, USA

14.45-15.30 COFFEE/TEA and Postersession

EFFECT OF COGNITIVE AND PHYSICAL INTERVENTIONS ON BRAIN STRUCTURE AND FUNCTION

15.30-16.00 **LECTURE 7: *Fit body, fit brain: effects of exercise training on brain health***
KIRK ERICKSON, UNIVERSITY OF PITTSBURGH, USA

19.00- DINNER, on invitation only



Thursday, June 16, 2016

- 09.00-09.30 **LECTURE 8: *Imaging and manipulating structural brain changes through the lifespan***
HEIDI JOHANSEN-BERG, OXFORD UNIVERSITY, UK
- 09.30-10.00 **LECTURE 9: *Neural representations for action in frontoparietal and occipitotemporal circuits***
JASON GALLIVAN, QUEEN'S UNIVERSITY, CANADA
- 10.00-10.30 COFFEE/TEA and Postersession

COMPLEX COGNITION AND THE BRAIN

- 10.30-11.00 **LECTURE 10: *The neurodynamics of automatic behavior***
GREGORY ASHBY, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, USA
- 11.00-11.30 **LECTURE 11: *How incidental affect modulates decision making under risk***
HAUKE HEEKEREN, FREIE UNIVERSITÄT BERLIN, GERMANY
- 11.30-12.00 **LECTURE 12: *A dual mode perspective of the human cortex***
RAFI MALACH, WEIZMANN INSTITUTE OF SCIENCE, REHOVOT, ISRAEL
- 12.00-13.00 LUNCH, on invitation only

FUTURE IMAGES

- 13.00-13.30 **LECTURE 13: *Functional organization and plasticity of the hippocampal-entorhinal circuitry: data from young adults and older adults with subjective memory problems and MCI***
EMRAH DUZEL, MAGDEBURG, GERMANY & UCL, UK
- 13.30-14.00 **LECTURE 14: *Future of neurovascular assessment with 4D Flow MRI***
OLIVER WIEBEN, UNIVERSITY OF WISCONSIN, USA
- 14.00-14.30 COFFEE/TEA and Postersession
- 14.30-15.00 **LECTURE 15: *Future of Arterial Spin Labelling MR***
MATTHIAS VAN OSCH, LEIDEN UNIVERSITY MEDICAL CENTER, NETHERLANDS
- 15.00-15.15 ***Closing remarks***
LARS NYBERG, UFBI

