

ARC Retreat 2013 – Scandic Foresta, Lidingö



Participants

External visitors

- Laura Fratiglioni, professor
Aging Research Center, Karolinska Institute
- Ulman Lindenberger, professor
Center for Lifespan Psychology, Max Planck Institute for Human Development, Berlin
- Lars Nyberg, professor
Umeå Center for Functional Brain Imaging, Umeå University
- Naftali Raz, professor
Institute of Gerontology, Wayne State University
- Brent Small, professor
School of Aging Studies, University of South Florida

Aging Research Center

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| ▪ Lars Bäckman, professor | ▪ Ylva Köhncke, PhD student |
| ▪ Martin Bellander, PhD student | ▪ Erika J Laukka, senior scientist |
| ▪ Alexis Boucharin, research engineer | ▪ Martin Lövdén, senior scientist |
| ▪ Yvonne Brehmer, senior scientist | ▪ Goran Papenberg, post doc |
| ▪ Carl-Henrik Ehrenkrona, student assistant | ▪ Alexandra Pantzar, PhD student |
| ▪ Beata Ferencz, PhD student | ▪ Jonas Persson, senior scientist |
| ▪ Marc Guitart-Masip, senior scientist | ▪ Alireza Salami, post doc |
| ▪ Margareta Hedner, post doc | ▪ Joakim Svärd, PhD student |
| ▪ Grégoria Kalpouzos, senior scientist | ▪ Åke Wahlin, visiting professor |

Sunday, May 5th

11:30 ARRIVAL

12:00 LUNCH

13:00 **Lars Bäckman**
Welcome

13:10 **Alexandra Pantzar**
Cognitive performance in old age depression [SNAC-K]

13:50 **Beata Ferencz**
Physical activity attenuates the influence of a genetic risk score on cognition [SNAC-K]

14:30 **Ylva Köhncke**
Inter-individual difference in lifestyle, white matter changes, and cognitive aging [SNAC-K]

15:10 COFFEE

15:30 **Margareta Hedner**
Structure of the olfactory brain: Relationships to olfactory dysfunction and cognitive decline [SNAC-K]

16:10 **Joakim Svärd**
Age effects on intentional scanning patterns of emotional faces

16:50 **Martin Bellander**
Genes and working-memory plasticity [COGITO]

17:30 CHECK-IN

19:00 DINNER

Monday, May 6th**07:30 BREAKFAST****08:30 Erika Jonsson Laukka and Grégoria Kalpouzou***General SNAC-K Update***09:10 Erika Jonsson Laukka***Associations between APOE, white matter integrity, and perceptual speed [SNAC-K]***09:50 COFFEE****10:00 Alireza Salami***Dark energy in brain aging: Evidence for age-related failure in hippocampal decoupling during rest [BETULA]***10:40 Jonas Persson***Influences of a DRD2 polymorphism on updating of long-term memory representations and caudate BOLD activity: Magnification in aging (EMOCOG)***11:20 Yvonne Brehmer and Erika Jonsson Laukka***Update on the SNACK data collection for younger adults [SNAC-K-Y]***12:00 LUNCH – MILLESGÅRDEN GUIDED TOUR****14:30 Martin Lövdén***Vocabulary acquisition and structural brain changes***15:10 Yvonne Brehmer***Neural underpinnings of episodic memory plasticity across the lifespan [FLARE]***15:50 COFFEE****16:00 Grégoria Kalpouzou***Commonalities and differences in brain activity between emotional encoding and recognition in younger and older adults [FORGETTING]***16:40 Ulman Lindenberger***Experiences from pharmaco-genomic imaging research***17:20 General Discussion**

Tuesday, May 7th

07:30 BREAKFAST & CHECK-OUT

8:30 **Martin Lövdén**

REBOOT: Releasing the brakes on adult plasticity

9:10 **Alireza Salami and Carl-Henrik Ehrenkrona**

Integration of resting-state fMRI and DTI in a structural model of the Default Mode Network: Age differences and relationships to working memory [EMOCOG]

9:50 COFFEE

10:00 **Grégoria Kalpouzos**

Global and local volumetric characteristics of the brain in 418 non-demented old adults: Age and sex effects [SNAC-K]

10:40 **Goran Papenberg**

Exploring the latent structure of grey-matter volumes in a population-based sample of healthy old adults [SNAC-K]

11:20 **Marc Guitart-Masip**

Exploring the relation between dopamine availability and BOLD variability [DA]

12:00 LUNCH

13:00 **Åke Wahlin**

Aging elsewhere, does it make a difference to our understanding of the aging process?

13:40 **Lars Nyberg**

Update on COBRA

14:20 General Discussion