



From Neuroscience to the Classroom

5-6 April, 2017

In the Thunberg Hall, Linneanum, SCAS, Uppsala
www.swedishcollegium.se

Programme

Wednesday, 5 April

08:45

REGISTRATION and COFFEE/TEA

09:20

WELCOME & INTRODUCTION

BJÖRN WITTROCK, Swedish Collegium for Advanced Study (SCAS), Uppsala

DAN LARHAMMAR, Uppsala University

Theme 1: Environmental Conditions and Learning

09:30

SEBASTIÁN J. LIPINA, Unit of Applied Neurobiology (UNA, CEMIC-CONICET), Buenos Aires; National University of San Martín (UNSAM); and National Council of Scientific and Technological Research (CONICET)

Where We Are and Where We Should Go in the Study of Childhood Poverty and Cognitive Development

+ Q & A (5 min)

10:20

PETER HAGOORT, Max Planck Institute for Psycholinguistics, Nijmegen, and Radboud University Nijmegen

Language and Reading: The Consequences of the Kantian Brain for the Classroom

+ Q & A (5 min)

11:10

PANEL DISCUSSION

Moderator: **KATHINKA EVERS**, Uppsala University

12:15

LUNCH BREAK

Theme 2: Neurobiology of Learning

13:15

MINNA HUOTILAINEN, SCAS, Uppsala and University of Helsinki

Neuroscientific Evidence of the Cognitive Benefits of Musical Hobbies for Learning

+ Q & A (5 min)

14:05

TORKEL KLINGBERG, Karolinska Institutet, Stockholm

The Neuroscience of Development and Training of Mathematical Abilities during Childhood

+ Q & A (5 min)

14:55

COFFEE/TEA BREAK, the Thunberg Dining Room, SCAS

15:25

MARTIN LÖVDÉN, Karolinska Institutet, Stockholm

Structural Brain Correlates of Human Learning

+ Q & A (5 min)

16:15

LARS NYBERG, Umeå University

Encoding-retrieval Interactions in Long-term Memory: Importance for Durable Learning

+ Q & A (5 min)

17:05 (-17:50)

PANEL DISCUSSION

Moderator: **PETER GÄRDENFORS**, SCAS, Uppsala, and Lund University

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18:00

DINNER, the Thunberg Dining Room, SCAS

Thursday, 6 April

Theme 3: Brain, Genetics and Learning

09:00

CHRISTOPHER F. CHABRIS, Geisinger Health System, Danville, PA, and Union College, New York

On the Prevalence and Persistence of “Neuromyths”

+ Q & A (5 min)

09:50

PAUL HOWARD-JONES, University of Bristol

Neuroscience in the Classroom – What’s on the Menu?

+ Q & A (5 min)

10:40

COFFEE/TEA BREAK, the Thunberg Dining Room, SCAS

11:10

MARIA GRAZIA TOSTO, SOAS University of London and Tomsk State University

Insights from Genetic Research Into the Association Between Reading and Mathematics

+ Q & A (5 min)

12:00

PANEL DISCUSSION

Moderator: **DAN LARHAMMAR**, Uppsala University

12:30

LUNCH BREAK

Theme 4: Neuroscience and Teaching Strategies

13:30

MEGAN A. SMITH, Rhode Island College, Providence

Retrieval-Based Learning Strategies from the Laboratory to the Classroom

+ Q & A (5 min)

14:20

ANDREAS OLSSON, Karolinska Institutet, Stockholm

Emotion and Social Learning

+ Q & A (5 min)

15:10

COFFEE/TEA BREAK, the Thunberg Dining Room, SCAS

15:40

ROI COHEN KADOSH, University of Oxford

Using the Brain when Learning: How Neuroscience Can Improve Cognitive Learning

+ Q & A (5 min)

16:30 (-17:15)

PANEL DISCUSSION

Moderator: **GERMUND HESSLOW**, Lund University