





BRAIN HEALTH

FROM GENES TO BEHAVIOR, IMPROVING OUR LIFES

| Tuesday, | Octo | ber, | 6 th , | 2015 |
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PROGRAM

- 9:15 Welcome
- 9:30 SESSION 1: WHAT ARE EXISTING OR NEEDED TOOLS TO BETTER UNDERSTAND HUMAN BRAIN FUNCTION?

Chair: To be confirmed, Institution, Barcelona, Spain

- 9:40 Genomic Analysis of Neurodegenerative Disease
 John Hardy, University College of London, London, UK
- 10:10 Promoting Brain Health: Characterizing and Guiding the Changing Brain Across the Lifespan

Alvaro Pascual-Leone, Harvard University, Boston, USA

10:40 Robot Assisted Rehabilitation: the MIT Perspective

Hermano Igo Krebs, MIT, Boston, USA

- 11:10 Coffee Break
- 11:40 SESSION 2: WHAT DO WE NEED AND WHAT CAN WE EXPECT FROM STRUCTURAL AND FUNCTIONAL BRAIN MAPPING?

Chair: To be confirmed, Institution, Barcelona, Spain

11:50 The Human Connectome: Towards Whole-Brain Modeling

Gustavo Deco, Universitat Pompeu Fabra, Barcelona, Spain

- 12:20 The Human Brain Project The Impact of Informatics on Treatment of Brain Diseases Richard Frackowiak, CHUV University Hospital, Switzerland
- 12:50 Using the Human Connectome to Understand Neurological Symptoms and Guide Treatment

Michael Fox, Harvard University, Boston, USA

13:30 Lunch

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PROGRAM

- 15:00 SESSION 3: WHAT BIOLOGICAL, PSYCHOLOGICAL AND ENVIRONMENTAL FACTORS INFLUENCE BRAIN DEVELOPMENT SINCE CHILDHOOD AND ACROSS THE LIFESPAN? Chair: To be confirmed, Institution, Barcelona, Spain
- 15:10 Perceptual Foundations of Language Acquisition Janet Werker, University of British Columbia, Vancouver, Canada
- 15:40 Prenatal Origins of Abnormal Brain Development Elisenda Eixarch, Universitat de Barcelona, Geneva, Switzerland
- 16:10 Coffee break

How Environment Takes Advantage of Biological Constraints to Shape Early Brain

- 16:40 Ghislaine Dehaene-Lambertz, INSERM-CEA, Paris, France
- 17:10 Open Debate
- 18:00 Summary and Remarks of Day 1

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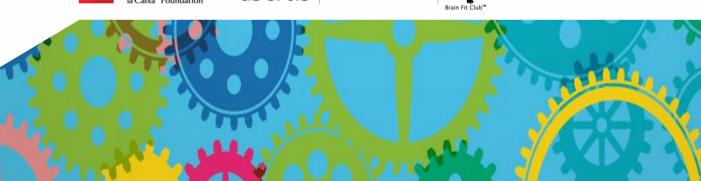


















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| Wednesday, October, 7 th , 201 | Wednesday. | October. | 7 th . | 2015 |
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PROGRAM

- 9:00 SESSION 4: WHAT ARE THE RIGHT INTEGRATIVE APPROACHES TO CHARACTERIZE AND MODULATE BRAIN FUNCTION?
 - Chair: To be confirmed, Institution, Barcelona, Spain
- 9:10 Exercising Your Mind & Brain
 - Arthur Kramer, University of Illinois, Illinois, USA
- **Action Videogames as Exemplary Learning Tools** Daphne Bavelier, University of Rochester, Minnesota, USA
- 10:10 Coffee break
- 10:40 The Mediterranean Diet and Improved Cognitive Outcomes: Evidence from the **PREDIMED Trial**
 - Emilio Ros, University of Barcelona, Barcelona, Spain
- **Evidence-Based Brain Health Approaches in Practice: The Brain Fit Club** Bonnie Wong, Harvard University, Massachusetts, USA
- 11:50 SESSION 5: WHAT ARE THE CLINICAL, PUBLIC HEALTH AND EDUCATIONAL IMPLICATIONS OF BRAIN HEALTH, PREVENTION AND LONG TERM CARE? Chair: To be confirmed, Institution, Barcelona, Spain
- 12:00 Title TBC
 - Jaime Kulisevski, Universitat Oberta de Catalunya, Barcelona, Spain
- 12:30 Coaching the Brain for Good
 - Margaret Moore, MBA, Harvard University, Massachusetts, USA
- 13:00 Conclusions
- 13:30 Summary and Conclusion Remarks

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