



Innovation in Education

Connecting How we Learn to Educational Practice and Policy: Research Evidence and Implications

Paris, OECD Conference Centre – 23-24 January 2012

Monday 23 January 2012

9:00-9:30 Registration of Participants

9:30-10:10 Inauguration of Meeting

Opening remarks by

- [Karen Kornbluh](#), Ambassador of the United States to the OECD
- [Andreas Schleicher](#), OECD Directorate for Education;
- Wanda Ward, Senior Advisor to the Director, NSF; and Mark Weiss, Division Director for Behavioural, Cognitive and Social Sciences, SBE/NSF.

10:10-12:30 Session 1: Brain, Plasticity, and Learning

Chair: [Dirk Van Damme](#), Head of CERI, OECD/EDU

10:10-10:30 **Exploring the Social Foundations of Learning Through Neuroscience, Technology, and Education**
Patricia Kuhl, Director, Learning in Informal and Formal Environments Center (LIFE), University of Washington.

10:30-10:50 **Coffee break**

10:50-11:10 **Creating Better Learners by Driving Neuroplasticity**
Andrea Chiba, Co-Director, Temporal Dynamics of Learning Center (TDLC), University of California at San Diego.

11:10-11:30 **Diversity in Learning: Teaching Practices and Educational Policies that Impact Students' Visual Learning**
Laura Ann Petitto, Co-Director, Visual Language and Visual Learning Center (VL2), Gallaudet University.

11:30-12:30 Session 1 Discussion

12:30-14:00 **Lunch Break**

14:00-15:40	Session 2: Formal Learning Chair: Soo-Siang Lim, NSF
14:00-14:20	Increasing Spatial Learning in Formal and Informal Settings Nora Newcombe, Director, Spatial Intelligence and Learning Center (SILC), Temple University.
14:20-14:40	Examining Cultural Stereotypes, Child Development, and STEM Learning: The Science of Learning and its Translation to Education Andrew Meltzoff, Co-Director, LIFE Center, University of Washington.
14:40-15:40	Questions & Answers
15:40-16:00	Coffee Break
16:00-18:00	Session 3: Interdisciplinary Research Teams and a Cross-disciplinary Science of Learning Chair: Patricia Kuhl, Director, Learning in Informal and Formal Environments Center (LIFE), University of Washington
	Research round table: Patricia Kuhl, Jarl Bengtsson (former Head of CERl, OECD), Susan Levine (University of Chicago), Katharina Scheiter (Universität Tübingen), Katrin Hille (ZNL, Universität Ulm).
	Discussion points: <ul style="list-style-type: none"> ▪ What's new and what's next in Cross-disciplinary Science of Learning? ▪ What are the challenges in forming successful interdisciplinary research teams, and what are the policy implications?
18:00	Cocktail Hour in the Roger Ockrent Room (Sponsored) <i>Dinner is not sponsored by the Organisers.</i>

Tuesday 24 January 2012

9:30-10:30	Session 4: Brokering Research Findings To Benefit Innovation In Education Chair: Nora Newcombe, Director, Spatial Intelligence and Learning Center (SILC), Temple University.
9:30-9:50	Translating Learning Research into the Design of Innovative Learning Environments David Istance , Senior Analyst and Project Manager Innovative Learning Environments at OECD/CERI
9:50-10:30	From Research to Policy and Practice Round Table: Christian Freksa (Universität Bremen), David Istance , Stephan Vincent-Lancrin and others Discussion points: <ul style="list-style-type: none"> ▪ Implications for Organization and Design of learning environments ▪ Implications for teacher preparation and professional development

10:30-10:50	Coffee Break
10:50-13:00	Session 5: Informal Learning Chair: Bruno Della-Chiesa , senior analyst CERI/OECD
10:50-11:10	Spatial Thinking and STEM Education: Drawing and Mapping David Uttal, Northwestern University
11:10-11:30	Educational Neuroscience: Using Cognitive and Brain Science to Enhance our Understanding of Learning and Achievement in Math Susan Levine, SILC, University of Chicago.
11:30-11:50	Social Cognition and the Early Years Andrew Meltzoff, Co-Director, LIFE Center, University of Washington.
11:50-13:00	Session 5 Discussion
13:00-14:30	Lunch break
14:30-15:30	Session 6: Technology Chair: Stephan Vincent-Lancrin (CERI, OECD/EDU)
14:30-14:50	Transformational Model of Translational Research that Leverages Educational Technology for Fast Data-Discovery Feedback Loops John Stamper, Technical Director of DataShop, LearnLab, Pittsburgh Science of Learning Center (PSLC), Carnegie Mellon University.
14:50-15:10	Media Use, Face-to-Face Communication, Media Multitasking and Social Wellness among 8-12 Year Old Girls. Roy Pea, Co-Director, LIFE Center, Stanford University.
15:10-15:30	Session 6 Discussion
15:30-17:00	Closing Session: Taking Stock and Looking Ahead Remarks from Soo-Siang Lim, Patricia Kuhl, Dirk Van Damme
17:00	End of Conference.

See Also: [Conference Brochure information](#)
[Speakers Bios](#)
[Abstracts from The Science of Learning Centers](#)