

A Day of Science

with Austrian FWF/ERC Awardees



WITTGENSTEIN
PREIS

START
PROGRAMM

November 17, 2012

ÖAW, Sonnenfelsgasse 19, 1010 Wien



08:30 Welcome Coffee

09:00 Welcome Address

09:05 Introduction of all participants

10:00 –11:00 Talks

"Multiscale continuum material mechanics - pervading ten orders of magnitude, from civil engineering to life sciences"

Christian Hellmich (Vienna University of Technology)

"Cognitive Biology"

Tecumseh Fitch (University of Vienna)

"Across and beyond borders: settlement archaeology in Egypt and Sudan"

Julia Budka (ÖAW Academy of Sciences)

11:00 –11:30 Coffee break

11:30 –12:50 Talks

"Combinatorial Algorithms and their Applications"

Monika Henzinger (University of Vienna)

"Challenges of memory research: how the brain represents and stores memory traces"

Joszef Csicsvari (IST Austria)

"Quantum Physics with Atomic Magnets"

Francesca Ferlaino (University of Innsbruck)

"Transformations of Normative Orders"

Herlinde Pauer-Studer (University of Vienna)

12:50 –13:40 Lunch break

13:40 –15:00 Talks

"Ageing, Health, and Life Expectancy: The Cloister Study at the Austrian Academy of Sciences"

Marc Luy (ÖAW Academy of Sciences)

"Exploring the Quantum World one Atom at a Time"

Dietrich Leibfried (NIST Boulder)

"Hormones : chemistry goes live"

Florian Raible (University of Vienna)

"Tilings, Crystal Surfaces, and Electrostatics"

Christian Krattenthaler (University of Vienna)

15:00 –15:30 Coffee break

15:30 –16:30 Talks

"A Paradigm Shift in Computational Complexity"

Stefan Szeider (Vienna University of Technology)

*"catchIT (= Coherently Advanced Tissue and Cell Holographic Imaging and Trapping),
a task for spatial light modulators"*

Monika Ritsch-Marte (Medical University Innsbruck)

"Functional analyses of single microbial cells using Raman microspectroscopy and NanoSIMS"

Michael Wagner (University of Vienna)

16:30 –17:00 Final discussion

17:00 Chillout with drinks

Organising Committee

Markus Arndt (University of Vienna)

Barbara Horejs (ÖAI Austrian Archeological Institute)

Matthias Horn (University of Vienna)

Norbert J Mauser (University of Vienna)

Thomas Prohaska (University of Natural Resources and Life Sciences, Vienna)

Norbert Zimmermann (ÖAW Austrian Academy of Sciences)

Contact

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