A Day of Science with Austrian FWF/ERC Awardees

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)
A Day of Science with Austrian FWF/ERC Awardees

“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
ÖAW Academy of Sciences
Junge Kurie
Elisabeth Eder
Dr. Ignaz Seipel-Platz 2
1010 Wien
elisabeth.eder@oeaw.ac.at