



מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

27-31 October

2014

EMBO Workshop on a
**Systems-Level
View of
Cytoskeletal
Function**
Multi-scale approaches
for understanding cell
architecture and dynamics

Aula Medica | Karolinska Institutet | Stockholm | Sweden

Scientific Topics

Dynamics of actin-based systems

Mechanics of molecular motors

Signaling networks driving cell migration and mechanosensing

Exocytosis, endocytosis, and organelle transport

The nucleus and intermediate filaments

Cell polarity and left-right asymmetry

Systems biology of cell division

Systems-level view of cellular and cytoskeletal heterogeneity

Invasive migration of cancer cells

Jointly organized by

- European Cytoskeletal Forum
- Systems Microscopy NoE
- Israeli Forum for Cytoskeleton and Motility

Program Committee

- Christophe Ampe, Ghent
- Alexander Bershadsky, Rehovot & Singapore
- Benjamin Geiger, Rehovot
- Leah Gheber, Be'er-Sheva
- Arnon Henn, Haifa
- Eran Perlson, Tel Aviv
- Staffan Strömblad, Stockholm

Invited Speakers (confirmed)

- Uri Alon, Israel
- Karen Avraham, Israel
- Mohan K. Balasubramanian, UK
- Buzz Baum, UK
- Alexander Bershadsky, Israel & Singapore
- Enrique De La Cruz, USA
- David Drubin, USA
- Jan Ellenberg, Germany
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- Stephan Grill, Germany
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- Wolfgang Huber, Germany
- Robert Insall, UK
- Frank Jülicher, Germany
- Kinneret Keren, Israel
- Gijse Koenderink, Netherlands
- Mihály Kovács, Hungary
- Michael Kozlov, Israel
- Melike Lakadamyali, Spain
- Birgitte Lane, Singapore
- Pekka Lappalainen, Finland
- Harvey McMahon, UK
- Ohad Medalia, Switzerland
- Alex Mogilner, USA
- David Odde, USA
- Michael Ostap, USA
- Olivier Pertz, Switzerland
- Stefano Piccolo, Italy
- Matthieu Piel, France
- Klemens Rottner, Germany
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- Staffan Strömblad, Sweden
- Thomas Surrey, UK
- Claudia Veigel, Germany
- Danijela Vignjevic, France
- Talila Volk, Israel
- Bob van de Water, Netherlands
- Roland Wedlich-Söldner, Germany
- Michael White, UK
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Contact

Reut.Hershenhoren@weizmann.ac.il

Tel.: (972) 8-934 3957

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