

George Evens Family Auditorium

The Jacob Blaustein Institutes for Desert Research
Ben-Gurion University of the Negev, Sede Boqer Campus,
Midreshet Ben-Gurion

**The 17th Sede Boqer Symposium
in Memory of Merav Ziv**

Physiological and Biophysical Approaches
in Ecology and Conservation

31 March, 2016

PROGRAM

09:15

Reception & refreshments

09:30 - 09:45

Yael Lubin

Memories of Merav and Ecology Student Awards

09:45 - 10:35

Michael Angilletta

Keynote: Introduction by Berry Pinshow

**Conservation physiology: when organismal function
informs ecological applications**

10:35 - 10:50

Refreshments

10:50 - 11:10

Efrat Dener

Long distance pollination results in short distance seed-
dispersal

11:10 - 11:30

Nir Sapir

The effects of airflow properties and wing morphology
on hummingbird flight

11:30 - 11:50

Victor China

Understanding the hydrodynamic mechanism that
causes starvation in fish larvae during the critical period

11:50 - 12:10

Berry Pinshow

Animal burrow ventilation – new ideas about ancient
phenomena

12:10 - 13:20

Lunch

13:20 - 13:50

Michael Scantlebury

Thermoregulatory variation in European and African
mole- rats: a case of convergent evolution

13:50 - 14:10

Zaida Ortega

Thermal biology of high mountain lizards of the genus
Iberolacerta: the threat imposed by climate change

14:10 - 14:30

Michal Horowitz

Adaptations to natural ambient conditions affect the
thermo-tolerance and ability to acclimate to controlled
conditions of high temperature in rodents

14:30 - 14:50

Refreshments

14:50 - 15:10

Maria Arroyave

Intra-and inter-specific plant interactions: a mechanistic
trait-based approach using morphological and
physiological measurements

15:10 - 15:30

Jorge Menezes

Patch use, latitude and millet: a global scale analysis of
patch use behavior

15:30 - 15:50

Austin Dixon

Biophysical approach to understanding the effects of
light pollution

15:50 - 16:10

Noga Kronfeld-Schor

Understanding the physiological mechanisms
underlying ecological light pollution

16:10

Coffee and farewell



The Swiss Institute for Dryland
Environmental Research
מכון שווייצריה לחקר סביבות צחיחות



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