

ESPE Science School

Scientific Committee: GP. Chrousos - Chair, Z. Hochberg, J-C. Carel, O. Soder, D. Tiosano

ESPE Science School (ESS) 9-12/5/2013¹ Human Evolution and Child Health

Supported by an
educational grant from
Pfizer Endocrine Care

Friday 10/5/13

General concepts in evolution – Session open to the public at the Faculty of Medicine

- 9:10- 10:00** Introduction to evolutionary pediatrics
Ze'ev Hochberg (Haifa, Israel)
- 10:00-10:50** Human life history
Barry Bogin (Loughborough, UK)
- 10:50-11:10** Break
- 11:10-12:00** Life history and social behavior of humans' closest living relatives, bonobos and chimpanzees
Victoria Wobber (Boston, MA)
- 12:00-12:50** Parent-offspring and mother-father conflicts
David Haig (Boston MA):
- 12:50-13:30** General Discussion
- Lunch, Afternoon excursion +Dinner**
- 14:30–15:30** Visit to Evolution Kenyon
Eviatar Nevo (Haifa, Israel)
- 16:00 – 17:30** Visit to Mount Carmel Caves: (UNESCO World Heritage site)
Mina Evron (Haifa, Israel)

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Saturday 11/5/13

From birth to adulthood

8:30- 8:50 Trends in child growth
Kerstin Albertsson-Wikland (Goteborg, Sweden)

8:50-9:10 Trends in bone health
Dov Tiosano (Haifa, Israel)

9:10-10:00 Family experience and pubertal development in evolutionary perspective
Jay Belsky (Davis, CA)

10:00-10:20 Trends in modern human puberty
Jean-Pierre Bourguignon (Belgium)

10:20-10:40 Trends in sexual differentiation and gender identity
Olaf Hiort (Germany)

Break

Evolutionary biology and child health

11:00-11:50 Evolutionary biology of child health
Bernard Crespi (Burnaby, Canada)

11:50-12:40 The evolutionary history of infectious disease reconstructed from ancient pathogen genomes
Johannes Krause (Leipzig, Germany)

12:40-13:00 Trends in childhood obesity
Martin Wabitsch (Ulm, Germany):

Break

14:30-15:20 Hunter-Gatherer Infancy and Childhood in the Context of Human Life History Evolution"
Melvin Konner (Atlanta, Georgia)

15:20-16:10 Life history precursors in the development of borderline personality disorders
Martin Brüne (Bochum, Germany)

Break

16:30-17:20 Life history reconstruction from skeletal remains
Israel Hershkovitz (Tel Aviv, Israel)

17: 20-18:00 General Discussion

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Sunday 12/5/13

The stress factor in human evolution

8:30-8:50 Trends in type-1 diabetes
Mikael Knip (Helsinki)

8:50-9:40 Evolutionary and developmental stressor effects in the
human genome
George Chrousos (Athens, Greece)

Molecular mechanisms in evo-devo

9:40-10:30 The evo-devo tool kit
Ram Reshef (Haifa, Israel)

Break

10:40-11:20 Evolution of developmental gene pathways
Itai Yanai (Haifa, Israel)

11:20-12:00 Epigenetic mechanisms in human adaptation
Moshe Szyf (Montreal, Canada)

12:00-12:40 **General discussion**

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