

Founder Populations and their contribution to our understanding of Biology and History - Lessons from the Jewish Genome

First International Conference, July 10-14, 2016, Haifa, Israel

PROGRAM

As of May 11, 2016

SUNDAY, JULY 10, 2016

- 17:00 *Registration*
- 18:00 – 20:00 *Get-together reception*
Special Lecture
RESEARCH INTO FAMILY ORIGINS: A PASTIME AND/OR AN ACADEMIC
ACTIVITY?
H. Daniel Wagner, Israel

MONDAY, JULY 11, 2016

- 07:30 *Registration*
- 08:30 Opening greetings

09:00 - 10:00 OPENING SESSION

Chairs: **Doron M. Behar**, Israel and **Michael Hayden**, Israel

- 09:00 THE PROMISE OF GENOMICS
Robert Winston, UK
- 09:30 A FAMILY TREE FOR HUMANITY, THE GENOGRAPHIC PROJECT, THE NATIONAL
GEOGRAPHIC SOCIETY
TBA
- 10:00 *Coffee break*

10:30 - 13:00 SESSIONS 1 - POPULATION GENETICS

Chair: **David Goldstein**, USA

- 10:30 RUNS OF HOMOZYGOSITY, CONSANGUINITY, AND JEWISH POPULATIONS
Noah Rosenberg, USA
- 10:50 THE STUDY OF PATERNAL LINEAGES AMONG JEWS
Doron M Behar, Israel

- 11:10 THE STUDY OF MATERNAL LINEAGES AMONG JEWS
Karl Skorecki, Israel
- 11:30 LESSONS FROM WHOLE GENOME STUDIES AMONG JEWS
Itsik Pe'er, USA
- 11:50 ON THE ORIGIN OF THE NORTH AFRICAN JEWRY
Gil Atzmon, Israel
- 12:10 THE GENETIC LEGACY OF JEWS IN THE IBERIAN PENINSULA
David Comas, Spain
- 12:30 THE GENETIC HERITAGE OF PORTUGUESE CRYPTO – JEWS
Antonio Amorim, Portugal
- 12:50 INDIAN JEWISH - A UNIQUE BLEND OF INDIAN AND MIDDLE EASTERN ANCESTRY
Gyaneshwer Chaubey, India
- 13:00 *Lunch break and poster viewing*

14:00 - 16:00 SESSION 2 - GENETICS MEETS HISTORY

- Chair: **Shalom Wald**, Israel
- 14:00 GENOMICS AND JEWISH HISTORY- IDEOLOGIES, ISSUES & QUESTIONS
Shalom Wald, Israel
- 14:20 THE FAST GROWTH OF EUROPEAN JEWRY FROM LATE MIDDLE AGES ONWARD
Shaul Stampfer, Israel
- 14:40 'GENETIC JEWS' IN AFRICA, ASIA AND THE PACIFIC
Tudor Parfitt, USA
- 15:00 JEWS OF ISLAM IN THE MIDDLE AGES
Menahem Ben-Sasson, Israel
- 15:20 DISCUSSION
Session Speakers and Shmuel Rosner, Israel; **Sergio DellaPergola**, Israel; **Doron M. Behar**, Israel; **Bennet Greenspan**, USA
- 15:50 *Coffee break*

16:00 - 17:50 SESSION 3 – GENEALOGY, DEMOGRAPHY AND SPECIAL POPULATIONS

- Chair: **Richard Villems**, Estonia
- 16:10 JEWISH GENEALOGY 101
Bennett Greenspan, USA

- 16:30 HARNESSING CROWD SOURCED GENEALOGY TO STUDY COMPLEX TRAITS IN
MILLIONS OF PEOPLE
Yaniv Erlich, USA
- 16:50 DEMOGRAPHIC CHANGE AND JEWISH GENETICS: PAST AND PRESENT
Sergio DellaPergola, Israel
- 17:10 THE TIME AND PLACE OF EUROPEAN GENE FLOW INTO ASHKENAZI JEWS
Shai Carmi, Israel
- 17:20 A TALE OF TWO COMMUNITIES – THE GENETIC HISTORY OF BENE ISRAEL AND
COCHIN JEWS
Yedael Y. Waldman, Israel
- 17:30 DISCOVERING THE HIDDEN IDENTITY OF LOS BANILEJOS
Yehonatan Elazar Demota, USA
- 17:40 DISSEMINATION OF FOUNDER MUTATIONS AMONG THE DRUZE POPULATION
IN THE GALILEE AND GOLAN HEIGHTS; JUST A MATTER OF TIME?
Tzipora C. Falik Zaccai, Israel
- 18:15 *Evening Tour of Haifa*

TUESDAY, JULY 12, 2016

08:00 - 11:40 **SESSION 4 - FOUNDER FINDINGS IN NON-CANCER SYNDROMES**

Chairs: **Ian Ellis**, UK, **Avi Orr-Urtreger**, Israel and **Stavit Shalev**, Israel

- 08:00 GENETIC SYNDROMES IN JEWS
TBA
- 08:20 GENETICS OF IBD IN ASHKENAZI JEWS
Judy Cho, USA
- 08:40 PARKINSON'S DISEASE GENETICS IN JEWS
Avi Orr-Urtreger, Israel
- 09:00 GENETIC SYNDROMES IN ISRAELI ARABS
Stavit Shalev, Israel
- 09:20 GENETIC SYNDROMES IN BEDOUINS AND IN NON-ASHKENAZI JEWS
Ohad Birk, Israel
- 09:40 GAUCHER AND TAY-SACHS DISEASES IN JEWS
Timothy Cox, UK
- 10:00 GENETICS OF JEWISH AGING
Nir Barzilai, USA
- 10:20 *Coffee break*
- 10:50 ANALYSIS OF THE GENETIC BASIS OF HEIGHT IN LARGE JEWISH PEDIGREES
Danny Zeevi, USA
- 11:00 THE ROLE OF POPULATION ISOLATES IN GENE-ENVIRONMENT STUDIES: THE
CASE OF ETHIOPIAN JEWISH IMMIGRANTS
Tesfaye B Mersha, USA
- 11:10 JEWISH HISTORY THROUGH GNE MYOPATHY
Zohar Argov, Israel
- 11:20 GENETIC BACKGROUND OF POPULATION-SPECIFIC DISEASES IN SIBERIAN
YAKUT POPULATION
Vadim Stepanov, Russia
- 11:30 A COMBINATION OF OCULOPHARYNGEAL MUSCULAR DYSTROPHY AND
INHERITED RETINAL DYSTROPHY IN BUKHARAN JEWS DUE TO LINKED FOUNDER
MUTATIONS IN PABPN1 AND NRL
Tamar Ben Yosef, Israel

11:40 – 12:40

SESSION 5 – FOUNDER FINDINGS IN CANCER SYNDROMES

Chairs: **Eitan Freedman**, Israel and **Steven M. Lipkin**, USA

- 11:40 THE BREAST-OVARY SYNDROME
Steven Narod, Canada
- 12:00 GENETICS OF LUNG CANCER
Steven M. Lipkin, USA
- 12:20 FOUNDER MUTATIONS IN INDIAN HEREDITARY BREAST AND COLORECTAL
CANCERS
Rajiv Sarin, India
- 12:40 *Lunch break and poster viewing*

14:00 - 16:40

SESSION 5 - FOUNDER FINDINGS IN CANCER SYNDROMES (Cont.)

- 14:00 SURVIVAL OF FOUNDER-MUTATION CARRIERS
Gad Rennert, Israel
- 14:20 HANDLING CARRIERS OF BREAST – OVARY SYNDROME
Judy E. Garber, USA
- 14:40 BREAST CANCER GENETICS – BEYOND BRCA MUTATIONS
Kenneth Offit, USA
- 15:00 CANCER FOUNDER MUTATIONS - AN INTERNATIONAL VIEW
Olufunmilayo Olopade, USA
- 15:20 THE IMPACT OF FOUNDER BRCA MUTATIONS ON MEXICO
Jeffrey Weitzel, USA
- 15:40 GENETICS OF COLON CANCER
Stephen B. Gruber, USA
- 16:00 LARGE NUMBER OF FOUNDER MUTATIONS IN BREAST-
OVARIAN CANCER GENES IDENTIFIED IN THE GREEK POPULATION
Drakoulis Yannoukakos, Greece
- 16:10 ROBUST TARGETED SEQUENCING STRATEGY IDENTIFIES
HIGHLY PENETRANT MUTATIONS IN HEREDITARY COLORECTAL CANCER
Leon Raskin, USA
- 16:20 FUNCTIONAL CHARACTERIZATION OF THE I1307K APC ALLELE
Gabriel Capella, Spain
- 16:30 A SEARCH FOR COMMON GENETIC VARIANTS PREDISPOSING TO
RADIATION INDUCED MENINGIOMA IN A SUB-GROUP OF NORTH-
AFRICAN AND MIDDLE-EASTERN JEWS
Siegal Sadetzki, Israel
- 18:00 *Tour and Festive dinner, Acre*

WEDNESDAY, JULY 13, 2016

08:00 - 10:30 SESSION 6 - POPULATION GENETIC SCREENING

Chair: **Michael Baum**, UK

- 08:00 PRE- CONCEPTION SCREENING AMONG ISRAELIS
Doron M. Behar, Israel
- 08:20 SCREENING ASHKENAZI JEWS FOR MUTATIONS IN THE BRCA GENES – A
WORKSHOP SUMMARY
Larry Norton, USA
- 08:30 A NEW APPROACH TO PRE-TEST GENETIC COUNSELLING
Lesley Andrews, Australia
- 08:40 GENETICS AND HALAKHA/JEWISH LAW: THE NOTION OF ZERA ISRAEL
TBA
- 09:00 JEWISH ETHICS AND GENETIC TESTING
Abraham Steinberg, Israel
- 09:20 JEWISH LAW AND GENETICS
Suzanne L. Stone, USA
- 09:40 PUBLIC DEBATE, TO TEST OR NOT TO TEST
Michael Baum, UK
- 10:10 DISCUSSION (**Session speakers** and **Harry Ostrer**, USA)
- 10:30 *Coffee break and poster viewing*

11:00 - 13:10 SESSION 7 - PERSONALIZING MEDICINE/POPULATION STUDIES

Chairs: **Doron Lancet**, Israel, **Gareth Evans**, UK

- 11:00 GENETICS AND PRECISION MEDICINE
David Goldstein, USA
- 11:20 HOW WILL I INTERPRET MY GENOMIC INFORMATION?
Harry Ostrer, USA
- 11:40 INTERNATIONAL EFFORTS TO ADVANCE GENOMIC MEDICINE
Teri Manolio, USA
- 12:00 GENOMIC MEDICINE IN PRACTICE- 100K EXOMES STUDY OF EFFECTIVENESS
Gad Rennert, Israel
- 12:20 EXTREME PHENOTYPES IN ISRAELI POPULATIONS REVEAL GENETIC
DETERMINANTS OF COGNITIVE AND FUNCTIONAL DECLINE
Iris Grossman, Israel

- 12:30 THE REGENERON SEQUENCING INITIATIVE
Alan Shuldiner, USA
- 12:50 100,000 GENOMES UK – GENOMICS ENGLAND
Clare Turnbull, UK
- 13:10 *Lunch*

14:30 – 16:00 CLOSING SESSION

- Chair: **Stephen Gruber, USA**
- 14:30 THE FUTURE OF GENETICS
Walter Bodmer, UK
- 15:00 THE U.S. PRECISION MEDICINE INITIATIVE
Eric Green, USA
- 15:30 *Closing remarks*