



Iron in Health and Disease

ISF Symposium and Scientific workshop

Ein Kerem, Jerusalem, May 2-5, 2010
Organized by Ioav Cabantchik
Abraham Shanzer and Esther Meyron-Holtz



Sunday May 2 16:30

(16:00 get together)
Ioav Cabantchik
Musical Offering
Nancy Andrews
Antonelo Pietrangelo
Renzo Galanello

SYMPOSIUM HONORING THE ISRAELI IRON GUILD

C. Hershko, T. Iancu, A. Konijn, E. Rachmilewitz
Targ Music Center, Ein Kerem, Jerusalem (einkeremusiccenter.org.il)
Sponsored by the ISF, The Hebrew University, Novartis Israel and Apopharma

Opening remarks

The golden age of iron metabolism
Hemochromatosis: from Armand Trousseau to hepcidin (& back)
Iron chelation therapy: yesterday, today and tomorrow

SCIENTIFIC WORKSHOP ON IRON IN HEALTH AND DISEASE

Sponsored by the ISF and Novartis (Educational grant)
Targ Music Center, Ein Kerem, Jerusalem May 3-5

Monday May 3

Morning 8:30-12:00.

Workshop 1: Do all iron roads lead to hepcidin (signals, mediators & regulators)

moderators: T. Ganz and P. Brissot.
Olivier Loreal: *Hepcidin in health and diseases : facts and questions.*
Bob Fleming: *Hepatic sensing of iron and hepcidin regulation: the role of HFE and transferrin receptors*
Jodie Babbit: *HFE and BMP signaling in hepcidin regulation.*
Hebert Lin: *Use of Hepcidin Lowering Agents for Anemia.*
Mattias Hentze: *Hepatocytic iron metabolism beyond hepcidin*

lunch: 12:00

Afternoon 13:00-16:00

Workshop 2: Iron trafficking (in, out and within)

moderators: J. Kaplan and P. Arosio
Prem Ponka: *Efficient utilization of iron for hemoglobin synthesis requires endosomal transport of transferrin to mitochondria.*
Caroline Philpott: *Intracellular Iron: Where it goes and how it gets there.*
Janis L Abkowitz: *Heme iron trafficking: in, out and within.*
Jerry Kaplan: *Iron-dependent regulation of ferroportin*
Caroline Enns: *HFE and Iron Homeostasis: HFE control of non-transferrin bound iron uptake*

Tuesday May 4

lunch: 13:00

Afternoon 13:30-16:00.

Workshop 3: Genetics and system biology of iron

moderators: N. Andrews-Camaschella
M. Muckenthaler: *Regulatory mechanisms in iron metabolism*
Laura Silvestri: *Hemojuvelin: between hepcidin up- and down-regulation*
Stefano Rivella: *Hepcidin as a tool to understand and control iron metabolism and ineffective erythropoiesis in β -thalassemia*
Carole Beaumont: *A mouse model of ACD: iron, EPO and erythropoiesis*

Gideon Rechavi: RNA editing and iron metabolism

refreshment 16:00

Afternoon 16:30-19:30

Workshop 4: Iron, immunity and infection

moderators: G. Weiss and C. Hershko

Tomas Ganz: *The role of hepcidin in anemia of inflammation and other iron-restrictive anemias.*

Günter Weiss: *Iron, infection and immunity—a classical triade*

Gaetano Cairo: *Control of iron availability in the inflammatory microenvironment.*

Ulrich Schaible: *Iron in tuberculosis, important or not?*

20:00 dinner

Wednesday May 5.

Morning 8:00-12:00

Workshop 5: New diagnostic and therapeutic approaches

moderators: E. Rachmilewitz and I. Cabantchik

Dorine Swinkels: *Hepcidin: a new diagnostic tool.*

Elizabeta Nemeth: *Hepcidin agonists and antagonists*

John Wood: *MRI as a non-invasive diagnostic tool for iron overload.*

Robert Hider: *Measuring of non transferrin-bound iron*

Mussa Youdim: *Iron Chelation and neurodegeneration*

Farewell lunch 12:00

Ein Kerem: free public underground parking at the entrance of Mary Spring Rd (Rehov Hamaayan) just behind the bus parking. Targ Music Center is located in the main street of the village next to Mary's Spring.

Directions: For people coming by car from Tel Aviv, turn right from the Tel Aviv – Jerusalem highway at the Harel interchange, and take route 3965 for a few kilometers until you reach a roundabout, where you turn left to route 395. The road descends to an intersection (roundabout), where you turn left to route 386 (to Jerusalem) that passes through Ein Kerem.

For people coming from Jerusalem, take the Hertzel boulevards, pass the cemetery entrance, and then turn right towards Yad Vashem, and immediately left towards Ein Kerem.

The scientific sessions are open to students and faculty. No registration required