Physiological and pathological invasion: placenta and tumor

**Abstracts:**

**The delicate balance in oxygen levels between the placenta and the developing embryo**

Zohar Bromberg, Rinat Abramovich, Yehuda Ginosar.
The Goldyne Savad Institute of Gene Therapy, Hadassah Hospital, Jerusalem

Sterile, after all…

Kuperman Amir Asher*, Zimmerman Alex, Hamadia Suha, Gurevich Slava, Fichtman Boris, Gavert Nancy, Shental Noam, Strausmann Ravid, Rechnitzer Hagai, Shvalb Sergio, Haviv Izhak, Yagel Simcha, Koren Omry.

*Blood coagulation service and pediatric hematology clinic, Galilee medical center, Nahariya, Israel. Faculty of medicine in the Galilee Bar-Ilm University, Safed, Israel

**In-vivo molecular imaging of metabolism in pregnant rodents using novel MRI methodologies**

Anne Fages1, Stefan Markovic1, Jens Rosenberg2, Tangi Roussel3, Shannon Helsper2, Ron Hadas4, Ghoncheh Amouzandeh2, Alexander Brandis5, Samuel C. Grant2,6, Joel R. Garbow7, Michal Neeman4,5, Lucio Frydman1

Depart. of 1Chemical Physics, 4Biological Regulation and 5Life Science Core Facilities, Weizmann Institute of Science, Rehovot, Israel. 2National High Magnetic Field Laboratory, Florida State University, Tallahassee, FL, USA. 3NeuroSpin Centre CEA Saclay, Gif-sur-Yvette, France. 6Chemical & Biomedical Engineering Department, FAMU-FSU College of Engineering, Tallahassee, FL, USA, 7Washington University School of Medicine, Saint Louis, MO, USA

**Guest Lecture**

Eric Jauniaux MD, PhD, FRCOG
Professor in Obstetrics & Gynecology Departmental Graduate Tutor (taught), EGA Institute for Women's Health, Faculty of Population Health Sciences, University College London

Development of the utero-placental circulation: The first trimester paradox
Guest Lecture
Karina Yaniv PhD
Incumbent of the Louis and Ida Rich career Development Chair Department of Biological Regulation, Weizman Institute of Sciences
Building blood and lymphatic vessels: Insights from zebrafish

Abstracts:

11:00-11:45

Effects of valproic acid on placental transport mechanisms: studies in perfused human placentas
Miriam Rubinchik-Stern¹, Miriam Shmuel¹, Michal Kovo², Sara Eyal¹
¹Institute for Drug Research, School of Pharmacy, The Hebrew University of Jerusalem, Jerusalem, Israel, ²Department of Obstetrics & Gynecology, Wolfson Medical Center, Holon, Israel

Exploring the Role of Placental FXIII in Gestation
Stroganov S¹, Sardella TCP², Cohen G.¹, Avni R.¹, Hadas R.¹, Neeman M¹.
¹Biological Regulation, the Weizmann Institute, Rehovot, Israel. ²iThera Medical, Munich, Germany

Progesterone treatment enhances the expansion of placental immature myeloid cells in a mouse model of premature labor
Ola Gutzeit, Rivka Hertz, Yuval Ginsberg, Ron Beloosesky, Zeev Weiner, Ofer Fainaru
Department of Obstetrics and Gynecology, Rambam Medical Center, Haifa, Israel

11:45-12:30

Guest Lecture
Raphael Gorodetsky PhD
Head lab of Biotechnology & Radiobiology, Sharett Institute of Oncology, Hadassah - Hebrew University Medical Center
Stromal placental cell therapy for mitigation of acute radiation syndrome, regeneration of hematopoiesis and protection of tissues and organs in various inflammatory conditions

12:30-13:00

13:00-13:45

Guest Lecture
Eric Jauniaux MD, PhD, FRCOG
Professor in Obstetrics & Gynecology Departmental Graduate Tutor (taught)
EGA Institute for Women's Health, Faculty of Population Health Sciences, University College London
Accreta placentaion: A 21st century iatrogenic disorder
Abstracts:

13:45-14:30
Morbidly Invasive Placenta (MAP): proactive multidisciplinary management protocol results in improvement of maternal outcomes and is safe for the neonate
Jonathan Stanleigh, Dvora Yahav, Shunit Armon, Faiz Hatib, Boris Zuckerman, Michael Shaya, Alex Ioscovitch, Rivka Farkash, Aron Tevet, Ofer Sheinfeld, Arnon Samueloff, Sorina Grisaru Granovsky
Hebrew University Faculty of Medicine, Jerusalem, Israel Shaare ZedeK MC

Molecular and functional memory in human uterine NK cells following pregnancy
Hebrew University Faculty of Medicine, Jerusalem, Israel, Hadassah-Hebrew University Medical Center, Jerusalem, Israel

Early and late postpartum maternal risks associated with manual uterine cavity revision (MaRUC) due to a diagnosis of retained placenta or placental fragments
Maayan Bass-Lando, Itay Zmora, Rivka Farkash, Arnon Samueloff, Alex Ioscovitch, Faiz Hatib, Sorina Grisaru-Granovsky
Hebrew University Faculty of Medicine, Jerusalem, Israel Shaare ZedeK MC

14:30 מהנקת פרסים לשתי עבודות (קלינית ומדע בסיסי)
比例 Mounts סורינה גריסר-גרנובסקי, יו"ר החברה לחקור השליה
береж

תקנות מהנקת להבורה להבורה השליה:
פורום סורינה גריסר-גרנובסקי
ידリアル מילק קוב
פורום טל בירון-שפאל
ידリアル טל רז
פורום עופר פאינו

תודה להבורה להבורה הנ蹚ת שהפכה

SANOFI

FERRING REPRODUCTIVE HEALTH