

MONDAY, JULY 8, 2019		
10:00-22:00	HACKATHON: HACKING WOMEN’S HEALTH CARE	
10:00	Opening lectures and team organization	
12:00	Teams begin work	
TUESDAY, JULY 9, 2019		
08:00-14:00	HACKATHON: HACKING WOMEN’S HEALTH CARE	
08:00	Teams continue work	
12:00	Team Presentations and winner announced	
14:00-16:00	Break	
16:00-16:20	WHII GREETINGS AND OPENING CEREMONY	HALL A
16:20-18:20	PLENARY SESSION 1 INVENTIONS AND INNOVATIONS: REVOLUTIONIZING WOMEN’S HEALTH	HALL A
Moderators:	Hema Divakar, India, Moshe Hod, Israel and Benny Zeevi, Israel	
16:20	What’s Driving Maternal Mortality in the US & What Are We Doing About it?: Mary E. D'Alton, USA	
16:40	Gender-Specific Medicine in the Genomic Era: What are the questions? How do we find the answers? : Marianne J. Legato, USA	
17:00	Femtech: Time for a digital revolution in the women’s health market: Reenita Das, USA	
17:20	Tapping into Neuroscience – How Neuromodulation Technologies Reshape Women’s Health: Kelly Wei, Medtronic, USA	
17:40	Noninvasive sensor technologies for disease detection via breath and skin: Hossam Haick, Israel	
18:00	TBD: Stephan K. Klasko, USA	
18:20-19:00	MEET THE EDITORS THE WOMEN’S HEALTH ACADEMIC JOURNALS: CAN EDITORSHIP AGENDA IMPACT ON “UNMET NEEDS”?	HALL A
Moderators:	Andrea Genazzani, Italy, Editor of Gynecological Endocrinology and Stephan K. Klasko, USA, Editor of Healthcare Transformation,	
	The Editors:	
	Perinatal Medicine – Journal of Maternal Fetal and Neonatal Medicine (JMFNM): Gian Carlo Di Renzo, Italy	
	Oncology - International Journal of Gynecological Cancer (IJGC): Uzi Beller, Israel	
	Reproduction - Journal of Reproductive Biology and Endocrinology (JRBE): Raoul Orvieto, Israel	
	Surgery - Journal of Laser in Surgery and Medicine Yona Tadir, Isarel	
	Gender and the Genome Journal: Marianne J. Legato, USA	
19:00-19:45	WELCOME RECEPTION	

WEDNESDAY, JULY 10, 2019

09:00-10:00	PLENARY SESSION 2 GOOD MORNING TEL AVIV – CONNECTING SYSTEM BIOLOGY TO ARTIFICIAL INTELLIGENCE	Hall A
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Moderators:	Ronni Gamzu, Israel and Michal Rosen Zvi, Israel
09:00	From nature to bench clinic; Paradigm-shift in reproduction, pregnancy, immunity and transplant: Preimplantation Factor (PIF): Eytan Barnea, USA
09:20	Big data and artificial intelligence in women's health: When will the promise be fulfilled? Ran Balicer, Israel
09:40	Women' Health - building an Eco system: Anya Eldan, Israel Innovation Authority

	HALL A	HALL B	HALL C	HALL D
10:00-11:30	SESSION 3 Hypertension and Pregnancy (HAP1): Prediction and Prevention of Pregnancy Complications	SESSION 4 State of the ART on an Unmet Need in Reproduction: Can we Improve IVF Outcome	SESSION 5 Improving Women's Health with Artificial Intelligence and Big Data	SESSION 6 State of the Art on an Unmet Need in Menopause: Can we Improve Management?
Moderators:	Ron Maymon, Israel Liona Poon, Hong Kong	Raoul Orvieto, Israel Felice Petraglia, Italy	Michal Rosen Zvi, Israel Varda Shalev, Israel	Andrea Genazzani, Italy Bari Kaplan, Israel
	The first trimester prediction and prevention. The FIGO global approach Liona Poon, Hong Kong	Improving morphokinetic classification of embryo developmental and implantation potential using artificial intelligence tools Amnon Buxboim, Israel	Artificial intelligence on breast cancer Varda Shalev, Israel	Menopause treatment and aging prevention - Women's needs and future therapies. Andrea Gennazani, Italy
	The great obstetrical syndromes - Preeclampsia, growth restriction, preterm delivery, placental complications (Abruptio, Previa): Prediction and prevention Jacob Bar, Israel	Selecting the best embryo, does PGT-A deliver Raoul Orvieto, Israel	(20 min) Changing the landscape of Osteoporosis - AI to detect women at increased risk of osteoporosis Zebra Medical, Shiri Salomon, , Israel	Treating GSM during menopause: Bari Kaplan, Israel
	The big data - Preeclampsia and future of maternal and offspring health Eyal Sheiner, Israel	Finding the Perfect Embryo - Is Blastocyst Biopsy the Answer? William Schlaff, USA	The Medical Brain – Essential module for moving towards Patients Centered Care Shoshana Haberman, USA	New frontiers in vaginal wall imaging: Non-invasive tools for monitoring vaginal wall changes Yona Tadir, Israel
	The technology - The bio-medical engineer, the mathematical model of placental vascular supply	Endometrial receptivity can be improved with luteal support fine-tuning Shahar Kol, Israel		Neurokinin 3 receptor antagonist next treatment of hot flushes during menopause Amnon Brzezinski, Israel

	Oded Luria, Israel				
11:30-12:00	Coffee Break				
	HALL A	HALL B	HALL C	HALL D	MEETING ROOM 1
12:00:13:30	SESSION 7 The FIGO Perinatal Initiatives - Hypertension and Pregnancy- Diagnosis and management (HAP2) and Obesity and Nutrition (PONI)	SESSION 8 Advanced Laboratory Technologies in Fertility Preservation in Patients with Malignancies	SESSION 9 Oncology and Women's Health Life Cycle: Eliminating Cervical Cancer - Controversies in Preventing and Managing Women's Cancers	SESSION 10 Personalized Nutrition and Women's Life cycle - Addressing the Unmet Needs	WOMEN HEALTH INNOVATIONS & INVENTIONS From Idea to Implementation 12:00-13:00 How do I verify that my idea is feasible?
Moderators:	Zeev Weiner, Israel	Vladislav Korsak, Russia Sherman Silber, USA Vyacheslav Lokshin, Kazakhstan	Neerja Bhatla, India	Ronit Endevelt, Israel Amit Ganor, Israel Irit Poraz, Israel	TBD
	The second and third trimester diagnosis and management – The FIGO Global approach Liona Poon, Hong Kong FIGO Perinatal obesity and nutrition initiative 'PONI' Fionnuala McAuliffe, Ireland Angiogenic biomarkers and preeclampsia- from bench to bedside Sarosh Rana, USA	Laboratory methods for optimization of ovarian tissue transplantation Ronit Abir, Israel Ovarian tissue transplantation: Recent developments – State of the art Sherman Silber, USA Testicular tissue and spermatogonial stem cells cryopreservation and	Cervical cancer 2018 - The global view of issues and promise for elimination Neerja Bhatla, India Eliminating Cervical Cancer Globally: A realistic goal or wishful thing? Uzi Beller, Israel (20 min) Sponsored by MSD - TBD Agnes Binagwaho, Rwanda	Nutritional manipulation in Health and disease, DayTwo Lihi Segal, Israel Nutrition; A life course approach to NCD prevention - The first 1000 days from pregnancy to a child's second birthday Ronit Endevelt, Israel Nutritional management during pregnancy	<i>Project, Product or company and market as assessment and qualification of technologies as a basis for a startup</i> TBD

	transplantation in pre pubertal boys with malignancies Dov Feldberg , Israel				Sigal Frishman , Israel
	Company Presentations	Company Presentations	Company Presentations	Company Presentations	13:00-13:30 What do I need to do and how I work with the technology transfer office of the hospital TBD
13:30-14:30	Lunch Break				13:30-14:15 How do I get Initial Funding? Capitalization of an Early Stage life science Venture –Grants, Israel Innovation Authority, Angels? TBD
	HALL A	HALL B	HALL C	HALL D	MEETING ROOM 1
14:30-16:00	SESSION 11 Hyperglycemia in Pregnancy (HIP): The Unmet Need; Interrupting the Vicious Cycle of Diabetes Begets Diabetes	SESSION 12 Novel Technologies in Preimplantation Genetic Testing (PGT) in ART. Can we Improve IVF Outcome?	SESSION 13 Oncology and Women’s Health Life Cycle: Eliminating Ovarian Cancer	SESSION 14 Hot Topics in Women’s Health	14:15-14:45 Lessons learned from our experience: A panel of life science physicians entrepreneurs
Moderators:	Hema Divakar , India	Dov Feldberg , Israel	Neerja Bhatla , India	Eduardo Fonseca , Brazil	TBD

Arnon Wiznitzer, Israel

Defining the unmet need -
To diagnose all cases of
GDM – The FIGO Pragmatic
HIP guidelines: The Global
Consensus

Moshe Hod, Israel

Defining the unmet need;
Relevance of South Asia in
achieving objectives of the
FIGO GDM initiative;
Analysis of the cost-
effectiveness of carrying out
GDM Universal diagnosis

Hema Divakar, India

The new technologies:
Noninvasive continuous
glucose measurements,
Wear2be

Eran Hadar, Israel

Obesity and diabetes - Can
we prevent diabetes? Fat
storage in your body:
beyond your body scale
Iris Shai, Israel

Big data - Gestational
diabetes mellitus: Does it
pose a risk for future
maternal and neonatal
health?

Eyal Sheiner, Israel

Edgar Mocanu, Ireland
Olexander Yuzko, Ukraine

Ethical concerns in
preimplantation genetic
diagnosis

Lina Basel-Salmon, Israel

Noninvasive PGT with
mitochondrial DNA

Luca Gianaroli, Italy

Third Party Reproduction:
Sperm, Egg and Embryo
Donation

Tomer Singer, USA

PCOS - New approaches to
unmet problems of an old
disease

Jaron Rabinovici, Israel

Ami Fishman, Israel

Developmental therapeutics
in ovarian cancer

Kathleen Moore, USA

Personalized surgical
therapy in
ovarian cancer

Giovanni Scambia, Italy

Immunotherapy-What we
can expect in the treatment
of ovarian cancer

Ronnie Frommer-Shapira,
Israel

Ovarian cancer screening:
IOTA and the chicken. Are
we there yet?

Jacques S. Abramowicz, USA

Marianne J. Legato, USA

Ethical dimensions in
women's health – The FIGO
global perspective

Frank A. Chervenak, USA

Women, Sleep and Dream
Zipi Dolev, Israel

Female cardiac health
during women's life cycle -
pregnancy and menopause
Avital Porter, Israel

The Life Cycle Perspective:
The Menstrual Cycle as the
5th Vital Sign of Female
Health

Danielle Keiser

Company Presentations

TBD

14:45-15:45
What we have learned
from our experience: A
panel of physicians
entrepreneurs,
incubator, accelerator,
VC, and the Israel
innovation authority

16:00-16:30	Coffee Break			
	HALL A	HALL B	HALL C	HALL D
16:30-18:00	SESSION 15 Preterm Birth (PTB): Can it be Predicted and Prevented in Early Pregnancy	SESSION 16 The FIGO Global Initiatives: Updated Insights	SESSION 17 Oncology and Women's Health Life Cycle: Eliminating Breast Cancer	SESSION 18 Women's Health is Nation's Wealth - Women are controlling their Health - Women Panel
Moderators:	Eduardo Fronseca , Brazil Yariv Yogev , Israel	Mykola Gryshchenko , Ukraine Edgar Mocanu , Ireland Valery Zukin , Ukraine	TBD	Orit Jacobson , CEO of Mor Institute, Israel Michal Hemmo Lotem , CEO of Osheya, Israel
	Defining the unmet need - Can we prevent all preterm deliveries? Between utopia to reality. The clinician Eduardo Fonseca , Brazil Management-Pessary? Cerclage? Progesterone? Which and when? Outpatient cerclage? Vincenzo Berghella , USA Can we predict PTB – Proteomics.	Updated FIGO educational tools - The fertility toolbox Nona Mishieva , Russia The hidden and unknown elements in infertility investigation for ART: Edgar Mocanu , Ireland Novel insights in chronobiology in human reproduction Dov Feldberg , Israel	Genetics - Establishing a definitive standard to guide treatment decisions in early-stage HR+, HER2– Breast cancer patients Lior Soussan Gutman , Israel Genomic (somatic) and genetic (hereditary) information to guide treatment in breast and ovarian cancer Tamar Peretz-Yablonsky , Israel	<u>Panelists</u> Sigal Regev-Rozenberg , CEO of Meuhedet Osnat Lev Zion , General Director, Assaf Harofe Hospital Meredith Rose Burak , USA Sara Tancman , The Bria'a Foundation, Israel

	The Carmentix Solution Liona Poon, Hong Kong Progesterone- Current perspectives on fetal neuroprotection and recurrent miscarriage Gian Carlo Di Renzo, Italy <u>5 min Presentations</u> Spontaneous severe preterm delivery <28 weeks of gestation: Who is at risk - Big Data Gali Pariente, Israel Preterm delivery is a risk factor for maternal long term risk - Bid Data Eyal Sheiner, Israel	Fertility care in 2050 Zev Rosenwaks, USA Company Presentations –	Breast cancer risk: an AI-based learning from a large cohort Michal Rosen Zvi, Israel Estrogen – a friend or an enemy to the breast Eitan Peer, Israel Company Presentations	Dana Weinberg, Our Bodies Ourselves Reenita Das, USA Anula Jayasuriya, USA Marianne J. Legato, USA
18:00-18:15	Break			
18:15-19:15	PLENARY SESSION 19 WINNERS OF THE STARTUP PAVILION AND HACKATHON – COMPANIES PRESENTATION AND AWARDS			
20:30	Lecture at the Bar			

THURSDAY, JULY 11, 2019

09:00-10:00	PLENARY SESSION 20 GOOD MORNING TEL AVIV - CONNECTING INDUSTRY TO WOMEN HEALTH			HALL A
Moderators:	Ami Fishman, Israel Neerja Bhatla, India/FIGO Yfat Kadan, Israel			
09:00	Sponsored by MSD - The Role of Social Capital in the Response to Cervical Cancer: Agnes Binagwaho, Rwanda			
09:20	Women's health and the omics: Vassillios Fanos, Italy			
09:40	TBD: Mike Quick , VP of R&D and Innovation, Diagnostics Division, Hologic			
	HALL A	HALL B	HALL C	HALL D
10:00-11:30	SESSION 21 Inventions and Innovations leading to New Technologies: The Omics	SESSION 22 Technology Transfer Offices: From Academic Research to Industry I Addressing the unmet needs – Reproduction	SESSION 23 Women Health Issues in Low and Middle Income Counties (LMIC) - A New Global Agenda	SESSION 24 Medical Cannabis and Women's Health - Addressing Unmet Needs; Towards Evidence-Based Therapeutics
Moderators:	Moshe Hod, Israel	Agnes Binagwaho, Rwanda Hema Divakar, India	Esther Barak Landes, Israel and Meredith Rose Burak, USA	
	The metabolomics Vassilios Fanos, Italy	(10 min) Introduction on the reproduction research and its reflection on industry & Presenting the speakers Pini Ben Elazar, CEO Mor Research Applications	Addressing maternal mortality – How to win the Nobel prize; Simple innovations to address the leading causes of maternal mortality worldwide Richard Derman, USA	(15 min) The laboratory – strains and formulas in cannabinoid research Lumír Ondřej Hanuš, Israel
	The Proteomics Liona Poon, Hong Kong	(20 min) STRATUP presentation: QART - Increasing success rates of in vitro fertilization by revolutionary technologies for sperm visualization, analysis and selection. Alon Shalev, QART CEO	Addressing the Non Communicable Disease pandemic Anil Kapur, WDF Denmark and India	(25 min) From the bench to clinical practice – supplying the evidence Sari Prutchi Sagiv Israel Yehoshua Maor, Israel
	The Microbiome Omry Koren, Israel	(20 min) Start-up presentation: Salignostics – Saliva based rapid diagnostics tests - Pregnancy detection	Can new technologies close the gap of caring for migrant pregnant women globally? Jack Ludmir, USA	(20 min) Connecting big data to cannabis based therapeutics - Database of medical cannabis effects on women's health, Strainprint Michelle Arbus, , Canada
	The Small RNSs Noam Shomron, Israel		Women Health innovations and inventions - Africa unmet needs in	

	Omer, Salignostics CEO		Pregnancy with NCD Anne Kihara, Africa	
			TBD Alice Zheng, McKinsey & Company	
11:30-12:00	Coffee Break			
	HALL A	HALL B	HALL C	HALL D
12:00:13:30	SESSION 25 Fetal Growth	SESSION 26 Technology Transfer Offices - From Academic Research to Industry II Addressing the unmet needs – Oncology	SESSION 27 Innovative approach to Contraception - addressing the unmet needs	SESSION 28
Moderators:	Jason Gardosi, UK		Daniel S. Seidman, Israel	
	Fetal Growth – the ultimate challenge: Improved antenatal detection reduces adverse outcome Jason Gardosi, UK Machine learning approach to fetal weight estimation - a proof of concept study Ido Solt, Israel The less often spoken of extreme: macrosomia. Can shoulder dystocia be avoided? Jacques S. Abramowicz, USA	(10 min) Introduction on the oncology research trends and obstacles to reach the industry & Presenting the speakers Tamar Raz, CEO Hadasit Medical Research Services and Development Ltd. (20 min) STRATUP presentation: Savicell - First-in-class liquid ImmunoBiopsy™ platform designed for the early detection of cancer. Giora Davidovich, Savicell CEO (20 min) STRATUP presentation: TODOS - making a favorable change in the way breast cancer is being screened and diagnosed in routine clinical practice Herman Weiss, Todos CEO	Natural Cycles - Digital Contraception TBD Contraceptive apps: Are they an effective option? TBD The FDA's digital health pre-certification pilot program and the use of real world evidence TBD Contraception: past, present and future and why it matters TBD	

13:30-14:30	Lunch Break			
	HALL A	HALL B	HALL C	HALL D
14:30-16:00	SESSION 29 Prevention of Future Non Communicable Disease – Big Data Wisdom	SESSION 30 Investment in FemTech – Opportunities and Challenges	SESSION 31 Female Pelvic Floor Disorders – Innovative Solutions	SESSION 32 Unmet needs related to Sexual Health Life Cycle
Moderators:	Eyal Sheiner , Israel	Benny Zeevi , Israel XianngQian Lin , Singapore	Jack Baniel , Israel	TBD
	Preeclampsia and long-term maternal atherosclerosis disease: A link to endothelial dysfunction Yoav Yinon, Israel Intra-uterine growth restriction and long-term disease of the offspring Tal Biron-Shental, Israel Unacceptable: Early-term induction without clear indication: The long term implication of the early term to offspring Asnat Walfisch, Israel <u>5 min Presentations</u> Spontaneous severe preterm delivery <28 weeks of gestation: Who is at risk - Big Data Gali Pariente, Israel Preterm delivery is a risk factor for maternal long term risk - Bid Data Eyal Sheiner, Israel	(15 min) State of Investment in Women's Health Alice Zheng, McKinsey & Company <i>Panel of Venture Capitalists</i> Irit Yaniv, Israel Orit Alperovitz, Israel Anula Jayasuriya, USA Panel of CEOs	The unmet needs in female pelvic floor disorders Jack Baniel, Israel (20 + 10 min discussion) Upcoming new era in the treatment of pelvic floor disorders in women: Shift of control into the hands of the patient: ConTiPi Medical Elan Ziv, Israel Truly minimal invasive vaginal reconstructive procedure for apical prolapse, POP Medical Menahem Neuman, Solutions Israel Discussion – Surgical or conservative approach?	Technology and Women Sexuality Maya Magnat, Israel TBD Ahinoam Lev-Sagie – Aquafit TBD Anna Glukhov Sexual Dimorphism in Human Health Dorit Shweiki, Israel Company Presentations

