

SCIENTIFIC PROGRAMME

Monday, October 23, 2017

08:00 – 09:00 Registration

09:00 - 10:30 Plenary 1: Empowering and Engaging Patients in the Digital Era **Hall A**
Moderator: **Ran Balicer**

(this session will likely be common to both ILAMI and EFMI meetings)

09:00 - 09:20 **Welcome Address**

Batami Sadan, *Chairman of The Israeli Association for Medical Informatics*

Christian Lovis, *University Hospitals of Geneva, Division of Medical Information Sciences, Switzerland*

Ran Balicer, *Director, Health Policy Planning & Director, Clalit Research Institute at Clalit Health Services. BGU Associate Professor, Israel*

Ilan Levy, *Bar Ilan University, ILAMI Israel*

09:20 - 09:50 Invited Lecture: **Best Practices and Challenges for Conducting and Publishing eHealth Research**

Gunther Eysenbach, *Publisher/Editor, Entrepreneur, Infodemiologist Centre for Global eHealth Innovation, UHN, Toronto Harvard University Toronto, Ontario, Canada*

09:50 - 10:20 Invited Lecture: **Data Science in the Service of Medicine**

Kira Radinski, *Chief Scientist & Director of Data Science at eBay*

10:20 – 10:30 **Assa's Testimonial**

George Mihalas, *European Federation for Medical Informatics*

10:30 – 11:00 Coffee Break

11:00 – 11:30 Plenary 2: Bringing the Digital Age Closer to the Patient **Hall D**
Moderator: **Simon de Lusignan**

11:00 – 11:15 Invited Lecture: **Community Care: Tailoring Patient Needs**

Nachman Ash, *Director, Division of Medicine, Maccabi Health Care Services, Israel*

11:15 – 11:30 Invited Lecture: **InfoKids: Parents, Children and Emergency: Bridge the Gap**

Christian Lovis, *University Hospitals of Geneva, Division of Medical Information Sciences, Switzerland*

11:30 – 12:30 Paper Presentations **Hall D**
Moderator: **Rolf Engelbrecht**

11:30 – 11:40 **Weighting Experience-Based Decision Support on the Basis of Clinical Outcomes' Assessment**
Brigitte Séroussi, Sorbonne Universités, UPMC Université Paris 06, INSERM, Université Paris 13, Sorbonne, Paris Cité, UMR S 1142, LIMICS, AP-HP, Hôpital Tenon, Département de Santé Publique, Paris, France

11:40 – 11:50 **A Socio-Technical Analysis of Patient Accessible Electronic Health Records**
Maria Hägglund, Health Informatics Centre, Karolinska Institutet, Stockholm, Sweden

11:50- 12:00 **DNA Encoding Training Using 3D Gesture Interaction**
Lacramioara Stoicu-Tivadar, University Politehnica Timisoara, Romania/ Faculty of Automation and Computers

12:00 – 12:10 **Availability of Computerised Medical Record System Data to Compare Models of Child Health Care in Primary Care Across Europe**
Simon de Lusignan, Professor of Primary Care & Clinical Informatics Head of Department of Clinical and Experimental Medicine Medical Director RCGP Research & Surveillance Centre

12:10 – 12:20 **Connecting Parents to a Peadiatric Emergency Department: Designing a Mobile App based on Patient Centred Care Principles**
Frederic Ehrler, Division of medical information science, University Hospitals of Geneva, Switzerland

12:20 – 12:30 Q&A

12:30 – 13:30 Lunch **Foye**

13:30 – 14:00 Plenary 3: Innovation: Disrupting Healthcare as We Know it **Hall D**
Moderator: **Lacramioara Stoicu-Tivadar**

13:30 – 13:45 Invited Lecture: **Innovation and Big Data: Serving Patient Needs**
Ran Balicer, Director, Health Policy Planning & Director, Clalit Research Institute at Clalit Health Services. BGU Associate Professor, Israel

13:45 – 14:00 Invited Lecture: **Patient Reported Measures Driving Patient-Centered Care**
Eyal Zimlichman, Deputy Director and Chief Medical Officer at Sheba Medical Center, Israel

14:00 – 15:05 Paper Presentations **Hall D**
Moderator: **Mira Hercigonja-Szekeres**

14:00-14:10 **A Case Study of the Technology Use and Information Flow at a Hospital-driven Telemedicine Service**
Berglind Smaradottir, *Department of Information and Communication Technology, University of Agder, Norway*

14:10-14:20 **The Meaning of Patient Empowerment in the Digital Age: The Role of Online Patient-Communities**
Eugenia Lamas, *INSERM, U 1142, LIMICS, F-75006, Paris, France; Sorbonne Universités, UPMC Université Paris 06, Université Paris 13, Sorbonne Paris Cité, F-93430, Villetaneuse, France*

14:20-14:30 **Decision Support Systems in Health Care. Velocity of Apriori Algorithm**
Mira Hercigonja-Szekeres, *University of Applied Health Sciences, Zagreb, Croatia*

14:30-14:40 **ICT Supporting Cervical Cancer Monitoring and Prevention**
Mihaela Crisan-Vida, *University Politehnica Timisoara, Romania/ Faculty of Automation and Computers*

14:40-14:50 **Datawell: Public Involvement in the Development of a Federated Platform for Shared Patient Records in Greater Manchester, UK**
Gary Leeming, *School of Health Sciences, University of Manchester, Research and Informatics Unit, Greater Manchester Academic Health Science Network, UK*

14:50-15:00 **De-Identification of Medical Narrative Data**
Vasiliki Foufi, *Geneva University Hospitals (HUG), Medical Information Sciences Division (SIMED), Switzerland*

15:00-15:05 Q&A

15:05-15:20 Coffee break

15:20-17:00 Oral Presentations **Hall D**
Moderator: **Christian Lovis**

15:20-15:28 **Japanese-German Collaboration on Electronic Health Record Systems**
Alfred Winter, *Institute for Medical Informatics, Statistics and Epidemiology, Leipz, Germany*

15:28-15:35 **Taking Nursing Informatics into the Future**
Inge Madsen, *President, EFMI WG NURSIE*

15:35-15:43 **A Mobile Video Information Provider (VIP) for Dissemination of Evidence from Patient-Centered Outcomes Research for Improving Symptom Management**
Rebecca Schnall, *School of Nursing, Columbia University, USA*

- 15:43-15:51 **Perceveid and Performed E-Health Literacy: Survey and Simulated Performance Test**
Efrat Neter, Behavioral Sciences, Ruppin Academic Center, Israel
- 15:51-16:00 **Decision Support Tool for the Practitioner to Assess Health and Well-Being Mobile Applications**
Jaana Mäkelä, RDI, Social Services and Health Care, Essi Heimovaara-Kotonen, Finland
- 16:00-16:08 **Health Information Technology Involved in Malpractice Cases: Trends Review and Opportunities for Safety Improvement**
Maxim Topaz, Cheryl Spencer Department of Nursing, University of Haifa, Israel, General Medicine, Brigham and Women's Health Hospital, USA
- 16:08-16:15 **Personal Health Record: A Scoping Review**
Asmaa Hidki, Montpellier International Center for Research and Education., Montpellier Business School, France
- 16:15-16:23 **Improve Outcomes and Pay-For-Performance Rewards by Facilitating Joint Decision Making by Physicians and Patients to Seek Specialty Consultation**
Jeremy Kagan, Corporate, CardioLync, Inc., USA
- 16:23-16:31 **Integrating Care through Patient-Centred Health Team Working Across Organisational Borders**
Berglind Fjola Smaradottir, Information and Communication Technology, University of Agder, Norway
- 16:31-16:38 **Digital Environment for Cognitive Impairment (DECI) Clinical Study A multi-centre, Prospective, Randomized Study** (This study is funded by the European Union)
Gabriel Vainstein, Research and Innovation, Maccabi Healthcare Services, Israel
- 16:38-16:45 **Particular Image Processing Techniques for Decision Support in Aesthetic Dentistry**
Cristina Gena Dascalu, Medical Informatics and Biostatistics, "Grigore T. Popa" University of Medicine and Pharmacy, Romania
- 16:45-16:53 **EHR use and Patient-Centered Care in the Inpatient Setting: Challenges and Opportunities**
Shiri Assis-Hassid, John A. Paulson School of Engineering and Applied Sciences, Harvard University, Medicine, Harvard University, Medicine, Brigham and Women's Hospital, USA

16:53-17:00

How Can International Patient Summary Standards Help Improve Risk Assessment?

Catherine Chronaki, *HL7 Foundation, Belgium*

17:00 – 18:20 Poster visits (guided)

Exhibition Area

Moderator: **Batami Sadan**

1. **The Presentation of Personalized Medical Information, and its impact on health-related choices**

Shirly Bar-Lev, *Ruppin Academic Center, Israel*

2. **What are the Challenges and Implications of High Online Accessibility? The e-Health Literacy Levels of Patients**

Yaron Connelly, *Psychosocial Aspects of Health, The Gertner Institute for Epidemiology and Health Policy, Israel*

3. **Reducing Readmission Rates: Evidence from a Large Intervention in Israel**

Natalie Flaks-Manov, *Clalit Research Institute, Chief Physician's Office, Clalit Health Services, Israel*

4. **Identifying Types of Service Provision in Ehealth to Support Designing and Operating Services in Healthcare**

Eunji Lee, *Oslo University Hospital, Center for Shared Decision-Making and Collaborative Care Research, Norway*

5. **Empowering Patients with Long Term Conditions by Supporting Development of E-Personal Goals**

Eunji Lee, *Oslo University Hospital, Center for Shared Decision-Making and Collaborative Care Research, Norway*

6. **Improving Access to Care in Rural Africa through the Use of Telemedicine: Using an Mhealth System as a Case Study**

Felix Holl, *Health Management, Neu-Ulm University of Applied Sciences, Germany*

7. **Validating Reported Cause of Death Using a Population-Based Integrated Electronic Health Record**

Maya Leventer-Roberts, *Clalit Research Institute, Clalit Health Services, Israel*

8. **Smart Information Management in Health Big Data**

Eustache Muteba Ayumba, *Correspondent, International Medical Informatics Association, Congo, Democratic Republic of the Congo*

9. **Healthcare Design: Evaluation of Patient Room Configuration**

Nirit Putievsky Pilosof, *Department of Architecture and Town Planning, Technion - Israel Institute of Technology, Israel*

10. **Diagnostic Games: A Way to Doctors` Engagement In Digital Transformation of Healthcare**
Mikhail Shifrin, IT department, N.N.Burdenko National centre for Neurosurgery, Russia
11. **Intellectual Medical Algorithms Program to Involve Patients and their Doctors in Remote Monitoring**
Nikita Shklovskiy-Kordi, Hematology, National Center for Hematology, Russia
12. **Mopat@Home: Electronic Patient Reported Outcomes Filled Out at Home, Evaluated at the Hospital**
Michael Storck, Institute of Medical Informatics, University of Münster, Germany
13. **Mobile Microservice Architecture for Patients Self-Care**
Jari Ruokolainen, Tampere University of Technology, Aalto University, Finland

Tuesday, October 24, 2017

- 08:00 Departure from the Hotel to Sheba Medical Center
- 09:30 - 09:50 **Introduction: Sheba Medical Center – The Hospital of Israel**
Prof. Yitshak Kreiss, Director General, Sheba Medical Center
- 09:50-10:10 **A National Approach to a Patient-Centered Healthcare Digital Transformation**
Nir Yanovsky, Digital Health Implementation Manager, Ministry of Health Israel
- 10:10-10:30 **Innovation in Digital Health**
Dr. Nathalie Bloch, Director of the Sheba Innovation Center
- 10:30-10:45 **Tele Medicine Applications**
Galia Barkai
- 10:45-11:00 **Development of computational imaging solutions**
Dr. Arnaldo Mayer
- 11:00-12:00 Tour of the Maccabi MoMA Call Center for Management of Chronic Disease Patients
Dr. Galia Barkai, Paediatric Infectious Diseases Unit
- 12:00 Lunch**
- 12:30 Departure from Sheba Medical Center to Rambam Health Care Campus, Haifa
- 14:00-14:15 Welcome Reception
- 14:15-14:45 **Overview of Rambam Health Care Campus – Northern Israel’s Strategic Asset for Health, Security, and Coexistence**
Prof. Rafi Beyar, Director and CEO
- 14:45-15:05 **The International Teaching Center for Trauma Systems, Emergency and M.C.S**
Mrs. Gila Hyams RN, MA, Director, Nursing, Director, The International Teaching Center for Trauma Systems, Emergency and MCS
- 15:05-15:15 Q & A
- 15:15-15:40 **Emergency – Real-Time Hospital Management Information System for the Management of MCEs (Mass Casualty Events) at a Level I Trauma Center**
Mrs. Sara Tzafir, Director, Information Systems
- 15:40-15:50 Q & A
- 15:50-16:30 Tour: The Ruth Rappaport Children’s Hospital
The Sammy Ofer Fortified Underground Emergency Hospital
Dr. Esther Golan, Managing Director of International Relations and Chief of Strategic Development
- 16:30 **Closing remarks**