

# First HuGeF Workshop on Precision Medicine

Aula Mendel, Molecular Biotechnology Center, Via Nizza 52, Turin, Italy  
January 19-20, 2017

## **JANUARY 19th**

### **09.00: Welcome & Introduction**

*Francesco Profumo, President Compagnia di San Paolo*  
*Ruggero De Maria, President HuGeF*

### **FIRST SESSION – National and International Programs of Precision Medicine**

*Chair: Gianluca Severi, Director HuGeF*  
*Alberto Piazza, President Accademia delle Scienze Torino*

### **09.30: The Precision Medicine Program at Samsung Medical Center**

Do Hyun Nam, Director, Institute for Refractory Cancer Research, Samsung Medical Center

### **10.15: The Precision Medicine Program of ACC Genomics: from Targeted Therapy to Immunotherapy**

Luca Mazzarella, Co-Director ACC Genomics

### **11.00: Coffee break**

### **11.30: Precision Oncology: Low-hanging fruits versus difficult targets**

Antonio Iavarone, Professor of Pathology and Cell Biology and Neurology - Columbia University

### **12.15: Molecular epidemiology programs in the EU: paving the way to Precision Prevention**

Paolo Vineis, HuGeF ; Imperial College London

### **13.00: Lunch**

### **SECOND SESSION – Precision Medicine Initiatives**

*Chair: Giorgio Scagliotti, University of Turin*  
*Franca Fagioli, Regina Margherita Hospital, Turin*

### **14.30: The Precision Medicine Program at Candiolo**

Silvia Marsoni, IRCC Candiolo

### **15.15: Novel precision strategies targeting the tumor stroma to overcome acquired drug resistance**

Federico Bussolino, IRCC Candiolo ; University of Turin

### **16.00: Precision medicine reveals tumor epigenome's alterations**

Salvatore Oliviero, HuGeF ; University of Turin

### **16.45: The Samsung Health program**

Luigi Sarzi, Samsung Electronics Italia

### **17.00: Concluding remarks day 1**

*Chair: Ruggero DeMaria, Antonio Iavarone*  
*Participants: All Speakers*

### **20:30 Social Dinner – Ristorante Al Gufo Bianco**

## **JANUARY 20th**

### **THIRD SESSION – The Challenges of Precision Medicine in Oncology**

*Chair: Fiorella Altruda, University of Turin*

*Silvio Aime, University of Turin*

#### **9.00: Genetic and Biological heterogeneity of tumors**

Pier Giuseppe Pelicci, Director of Research at IEO, Professor of Pathology at University of Milan; Scientific Director of ACC

#### **9.45: Transcriptional programs and therapeutic targets in Myc-driven tumors**

Bruno Amati, Italian Institute of Technology and European Institute of Oncology, Milan

#### **10.30: Optimization of cancer therapy tackling mechanisms of drug resistance**

Saverio Minucci, European Institute of Oncology; University of Milan

#### **11.15: Coffee break**

#### **11.30: Targeting tumor cells and microenvironment by lipid-specific T cells**

Paolo Dellabona, San Raffaele Scientific Institute, Milan

### **FOURTH SESSION – IT & IP Challenges in Precision Medicine**

*Chair: Massimo Aglietta, IRCC Candiolo; University of Turin*

*Michele Caselle, University of Turin*

#### **12.15: The Human Technopole: a national project for a data centered approach to precision medicine**

Mario Rasetti, ISI Foundation, Turin

#### **13.00: Lunch**

#### **14.15: Nanopore sequencing: the next generation is knocking at the door**

Alberto Magi, University of Florence

#### **15.00: Machine learning for biological data science**

Riccardo Zecchina, HuGeF ; Polytechnic University of Turin

#### **15.45: Standards and applications for Genomic Data Compression**

Diego Gibellino, Coordinator of Italian participation in MPEG (TIM)

#### **16.30: MedTech startups and funding opportunities: some lessons from Oxford**

Andrea Alunni, Oxford University Innovation; Chairman ISMB - LINKS

#### **17.15: Concluding remarks day 2**

*Chair: Pier Giuseppe Pelicci, Antonio Iavarone*

*Participants: All Speakers*