

# Workshop on Processing of Genomic Information: From Standards to Deployment

**13:30 - 19:00, 19<sup>th</sup> July 2017 – Torino (Italy)**

Sala dei Mappamondi, Academy of Sciences,  
Via Accademia delle Scienze, 6, Torino

**Organized by**

**Italian Institute for Genomic Medicine (IIGM)**



Italian Institute for Genomic Medicine

**International Organisation for Standardisation Technical Committee  
276 "Biotechnology"**

**and MPEG (ISO/IEC JTC 1/SC 29/WG 11)**



A workshop on applications of genomic information processing will be held on 19<sup>th</sup> July 2017 in Torino, Italy, co-located with the 119<sup>th</sup> MPEG meeting.

The WS intends to explore the opportunities for improved health services offered by the availability in late 2018 of an ISO standard on compression of genomic information and its impact on the relevant industry.

Specifically the workshop will address:

- the potential of genomic information usage in public health
- the IT challenges for the widespread usage of genomic data in public health
- public policy on big data economy and genomics
- a status report on the development of the ISO genomic compression standard
- how the investors community can help progress the standard to deployment
- how the appropriate usage of genomic data drives efficient drug development
- how the genomic data processing industries can benefit from the standard
- how health services can be affected by the massive application of genome processing

The workshop is open to the public interested in contributing to the massive use of genomics for better public health.

Registration is free of charge.

To register (only for logistic purposes), please send an email to Claudio Alberti (Claudio.alberti@epfl.ch).

**Organizing Committee:** Ruggero De Maria (IIGM), Diego Gibellino (TIM), Claudio Alberti (EPFL), Tom Paridaens (imec and UGent)

**Program and list of speakers:**

| Start | End   | Speaker   | What   |
|-------|-------|---|--|
| 13:30 | 14:00 | Registration  |  |
| 14:00 | 14:15 | Ruggero De Maria (IIGM)   | Welcome & workshop goals   |
| 14:15 | 14:40 | Renato Botti. Director, <i>Department of Health, Regione Piemonte, Italy</i>                                    | Genomics, a major component of future health policy                      |
| 14:40 | 15:05 | Mikel Hernaez, <i>Carl R. Woese Institute for Genomic Biology, University of Illinois Urbana-Champaign, USA</i> | Challenges in precision medicine: from sequencing to big data processing |
| 15:05 | 15:30 | Kristina Kjerstad, <i>DG Connect, European Commission</i>   | EC policy on data economy and its relation with genomics                 |
| 15:30 | 15:55 | Coffee break  |  |
| 15:55 | 16:20 | Marco Mattavelli, <i>École Polytechnique Fédérale de Lausanne, Switzerland</i>                                  | MPEG-G the emerging ISO standard for genomic data                        |
| 16:20 | 16:45 | Alberto de Min, <i>Preon Capital, Switzerland</i>   | Business opportunities in standardization                                |
| 16:45 | 17:10 | Wolfgang Hackl, <i>Novartis, Switzerland</i>  | Genomic Profiling of Cancer to inform Drug Development                   |
| 17:10 | 17:25 | Coffee Break  |  |
| 17:25 | 17:50 | Leonor Frias, <i>MADEOFGENES, Spain</i>   | Challenges in the personal genomics era                                  |
| 17:50 | 18:15 | Pier Giuseppe Pelicci, <i>Istituto Europeo di Oncologia, Italy</i>  | Genomics in the clinical practice – Today and tomorrow                   |
| 18:15 | 19:00 | Francesco Profumo, <i>President, Compagnia di San Paolo, Italy</i>  | Discussion & recommendations   |

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