



EVENT

“The contribution of personalized medicine to health outcomes and the sustainability of social and health systems”

September 25th, 2018

SEMINARI room at “CEINGE - Biotecnologie Avanzate”

Comunale Margherita 484 street

80131 Naples

Introduction:

The paradigm shift of health and social systems is necessary to respond in an appropriate way to social challenges such as population ageing, migratory flows, which expose migratory routes to unusual pathologies for Western countries, as well as to the issue of health equity in Europe, undermined by availability of expensive diagnostic-therapeutic approaches. The integration of care and the sharing of data, underlying this paradigmatic change in health and social systems, are grounded in the health needs expressed at the local level.

The availability of tools able to produce and capture data in a non-traditional way, such as medical devices, wearables, social media, omical sciences, self-monitoring of patients, can help to customize the diagnostic-therapeutic pathways in response to specific needs. The use of "big data" raises issues that depend in part on their multitude and heterogeneity, and partly on the multiplicity of actors involved in both their collection and use (citizens, health professionals, IT experts, etc.).

The aggregation of coherent subsets of data is essential so that they can be meaningful for the management of health issues. This data clustering requires artificial intelligence systems capable of reading trends, interpreting deviations from normality, etc. For this reason, from the management point of view, issues of semantic interoperability emerge for data and flows, standardization, data processing in the original language, patient identity and consent management by patients, visual integration of external data sources, distributed and dynamic data-sharing platforms, workgroup support technologies, etc.

The aim of the workshop is to have a broad and specialized focus on personalized medicine, to provide an overview of international and national institutional strategies and to share innovative approaches with a positive socio-economic impact on public health.



09.00 Registration

09.30 Welcome by host organisations

Antonio Maritati

Veneto Region ProMIS coordinator

Enrico Coscioni

Campania Region, referent for ProMIS General Coordination Group

Franco Salvatore

Past President – CEINGE

10.00 Lectio Magistralis: “Wellness and health omics linked to the environment: the WHOLE approach to personalized medicine

Liam McDonnel

Fondazione Pisana per la Scienza

11.00 Genomics and medicine

Roberto Di Lauro

Scientific Director, CEINGE

Giuseppe Castaldo

Coordinator of diagnostic services, CEINGE

11.45 Roundtable: Implementation and future policy framework

Chair: **Maurizio Socci**, Journalist

Discussant:

Giselda Scalera - Research and Innovation in health care - Italian Ministry of health

Mauro Biffoni - Italian National Health Institute – ISS

Denis Horgan - European Alliance for Personalized Medicine – EAMP

David Morrow -European infrastructure for translational medicine -EATRIS

Sabrina Nardi – Active Citizenship Network

12.30 Roundtable: Implementation of the Italian Regions

Chair: **Maurizio Socci**, Journalist

Discussant:

Guido Iaccarino - Campania Region

Donatella Tanini, Gianni D’Errico - Tuscany Region

Stefano Ricci - Marche Region

Antonio Russo - Sicily Region

13.30 Light lunch



14.30 “AI4Diag” project

Andrea Frosini - Tuscany Region

15.00 Contest results: innovative proposals for clustering indicators for algorithms that measure the socio-economic impact on health systems of personalized medicine
Chair: **Antonio Maritati** - Veneto Region ProMIS coordinator

16.00 Conclusion and next steps

Maddalena Illario - Campania Region