# THE MEETING AT A GLANCE



# CDSSs - What's new?

State-of-the-art CDSSs presented for the first time by the MD-Paedigree developers from different European research institutions



## **Meet experts**

World-renowned clinicians all in the same place, discussing best applications and use case scenarios of CDSSs in the clinical setting



# Validation challenge

How to bring innovation in clinical practice? Let's discuss models validation and applicability in the clinical routine

# **CONSORTIUM**







































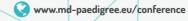




### LYNKEUS.



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# FROM ALGORITHMS TO CLINICAL DECISIONS

MD-Paedigree Final Conference, Rome, 22-23 May, 2017

Ospedale Pediatrico Bambino Gesù Auditorium S. Paolo Viale Ferdinando Baldelli, 38

## **CONTENTS**

The MD-Paedigree Final Conference "FROM ALGORITHMS TO CLINICAL DECISIONS" will travel through the most innovative clinical decision support systems in paediatric cardiology, rheumatology and neurology implemented throughout the four years of the MD-P project, to be presented by their developers from all around Europe.

The meeting will be also the occasion to discuss with world-renowned physicians of the field the results of the clinical validation of the newly-developed computational models and bioinformatic tools with actual patients' data, as well as to foresee their potential application and possible use case scenarios in the clinical setting, to have an insight of the eHealth-based personalised medicine of the forthcoming future.

## **PROGRAMME**

Day one (22<sup>nd</sup> May)

Day two (23<sup>rd</sup> May)

#### PARALLEL WORKSHOPS ON MD-PAEDIGREE OUTCOMES

The importance of modifying cardiologic risk factors in children and adolescent

Tammo Delhaas, Maastricht University

The role of modelling in the analysis of Neurological and Neuromuscular Disorders

Adam Shortland, Consultant Clinical Scientist, Guy's & St Thomas' NHS Foundation Trust

Juvenile Idiopathic Arthritis - from disease assessment to therapy - Rolando Cimaz, Meyer Children's Hospital

Genetics and Metagenomics – promises, problems, and application scenarios – Maria Krestyaninova, Uniquer

The role of digital e-infrastructure and data analytics tools for clinical research and everyday clinical practice Alberto Sanna, Ospedale San Raffaele

Ethical and legal implications of MD-Paedigree's vision Rocco Panetta, Italian Compliance Forum

#### PLENARY CONFERENCE SESSION

Chair: Mariella Enoc, President, Ospedale Pediatrico Bambino Gesù

#### Big Data from Horizon 2020 to FP9

Marco Falzetti, Agenzia per la Promozione della Ricerca

Public health genomics towards personalised medicine Walter Ricciardi, Istituto Superiore di Sanità

Personalised medicine's impact at the European level Carmen Laplaza Santos, DG Connect, European Commission

**Big Data and data analytics in healthcare**Torsten Niederdrank, Siemens Healthcare GmbH
Patrick Ruch, HES-S0

#### PLENARY CONFERENCE SESSION

Chair: Bruno Dallapiccola, Scientific Director, Ospedale Pediatrico Bambino Gesù

#### The clinical potential of Meta Omics

Ted Dinan, APC Microbiome Institute; Bruno Dallapiccola

# What can be the role of CDSSs in paediatric clinical practice

Anthony C. Chang, iSPI; Edwin Morley-Fletcher, Lynkeus

#### How to win the validation challenge

Marcello Chinali, Ospedale Pediatrico Bambino Gesù; Marco Viceconti, INSIGNEO; Liesbeth Geris, Director, VPH Institute; Marta Bertolaso, Biomedic Campus; Thomas Geijtenbeek, TU Delft

How to guarantee the ongoing availability of research data. From local availability to distributed access

John loannidis, Stanford University; David Manset, Gnùbila

The ethical and legal framework for within which can operate a model-driven health data repository

Laura Palazzani, Libera Università Maria Santissima Assunta

# The value of a common, transnational and digitally trustable infostructure

Benoit Schoeffler, Almerys; Yannis Ioannidis, Athena RIC

#### **INTERNAL REVIEW SESSION**

Chair: Bruno Dallapiccola

# Plenary summary of MD-Paedigree outcomes and internal reviewers' assessments

Alex Jones, Gabriele Rinelli, Tammo Delhaas, Alberto Martini, Rolando Cimaz, Jaap Harlaar, Adam Shorthand, Lorenza Putignani, Maria Krestyaninova, David Manset, Alberto Sanna, Marcello Chinali, Marta Bertolaso