The International Consortium for Personalised Medicine

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Personalised Medicine – A definition

*Characterisation of individuals’ phenotypes and genotypes (e.g. molecular profiling, medical imaging, lifestyle data) for tailoring the right therapeutic strategy for the right person at the right time, and/or to determine the predisposition to disease and/or to deliver timely and targeted prevention*. 

According to: Horizon 2020 and the European Council Conclusions on personalised medicine for patients (2015/C 421/03)

**Other terms, which describe similar approaches are:**
- Stratified medicine
- Precision medicine
- Individualised medicine or
- P4 medicine (Predictive, Preventive, Personalized and Participatory)
Key activities & milestones leading to ICPPerMed

2010  Series of workshops organised by European Commission (EC) focussing on ‘omics’ related research

2011  Conferences on European Perspectives in Personalised Medicine organised by EC

2011  Establishment of EuroBioforum a platform for funders and performers in personalised medicine funded through FP7

2013  Establishment of PerMed (Coordination and Support Action - CSA funded through FP7)

2015  Strategic Research and Innovation Agenda (SRIA) published by the CSA PerMed

2016  Personalised Medicine Conference organised jointly by EC and representatives of member states in Brussels (June)

2016  The ICPPerMed Secretariat started its work and is funded by the EC until 2020 as a CSA
ICPerMed Vision Statement:

• Establish ICPerMed members as global leaders in personalised medicine research.
• Support the personalised medicine science base through a coordinated approach to research.
• Support research to investigate the benefits of personalised medicine to citizens and healthcare systems.
• Pave the way for personalised medicine approaches for citizens.
ICPerMed – An International Consortium

- Today the consortium has more than 40 European and international funding bodies as members
- They represent ministries (research and/or health), different funding agencies as well as the European Commission (EC) as observer
- ICPerMed is a member states driven international consortium with the backing of the EC, e.g. via funding of a secretariat, but also by numerous other research as well as coordination and support activities (over €2 billion through FP7 and H2020)

The aim of ICPerMed is to coordinate and foster research to develop and evaluate personalised medicine approaches and support their implementation into the national health systems.
ICPerMed Challenge Groups: The whole healthcare chain and beyond

1. Citizens & Patients
   - Policy, Patients/Citizens, Industry, Funders, Researchers
   - Funders, Experts

2. Data & ICT
   - Policy, Funders, Researchers, Industry, Ethics/Data committees, Patients/Citizens
   - Funders, Experts

3. Research Efforts
   - Industry, Policy, Regulators, Funders, Researchers, Patients/Citizens
   - Funders, Experts

4. Market Access
   - Policy, Industry, Health Technology Assessments, Regulators, Providers, Researchers, Patients/Citizens
   - Funders, Experts

5. Health Systems
   - Policy, Providers, Health Technology Assessments, Insurances, Patients/Citizens
   - Funders, Experts

Innovations in Diagnosis, Therapy, Prevention & ICT with Economic Value and Fair Access
ICPerMed Governance

Executive Committee
Members & Observers

Steering Board
Chair + 2 Vice-Chairs
Group Leads
Secretariat*
European Commission

Stakeholder Group

Secretariat*

Challenge Groups
1 2 3 4 5

Action Item Groups
1 2 3 4 5

* The Secretariat is a Coordination and Support action funded by the European Union’s Horizon 2020 research and innovation programme under grant agreement no. 731366.
Development of the ICPPerMed Action Plan

• Actionable research and support activities for personalised approaches
• Input for the strategic discussion of European and national research funders

Released in March 2017
ICPerMed Action Plan - Structure

A) Research activities:
  • Data
  • Technologies, Methods and Processes
  • People
  • Cross-Cutting

B) Support activities:
  • Structures
  • Methods and Processes
  • People
Action Item Groups (AiG)

5 AiG with similar number of action items per group:
1) Data and ICT – Enabling Technology
2) Data and ICT – Improving Health Care
3) Translational Research
4) Health Economics, Regulation, Market Access
5) People and Society

The overall aim of the AiG is to foster and report on implementation of ICPeMed Action Plan

- Collection of on ongoing activities
- Identification and presentation of best-practice examples as well as
- The Identification of possible common activities