



ICPerMed 2023 Training: “Research Infrastructures in Personalised Medicine: use, advantages and challenges”

September 22nd 2023; 9:00 – 17:30h CEST, online

Event Description

Nowadays, it is becoming increasingly clear that ordinary medicine is not effective in treating large numbers of patients. Thanks to modern research techniques such as omics research, the more we know about an individual's genetic and molecular peculiarities, the more we understand that an individual must receive treatments based on a personalised approach.

Personalised medicine addresses the challenge of tailoring prevention and treatment strategies to individuals, but to achieve this goal, it is necessary to know the individual profile through an in-depth analysis of the subjects in relation to disease and treatment response.

In order to develop and use the full potential of personalised medicine, truly interdisciplinary research and inter-sectoral collaboration are needed. In addition to the achievements already accomplished in several areas, the sharing of the best available evidence in basic, clinical and translational research is crucial, taking into consideration also the ethical aspects, to provide sound and comprehensive information for citizens and patients, healthcare professionals and providers, payers and researchers on the potential of personalised medicine.

As well as the need for comprehensive, validated, accessible and interoperable datasets - that have to consider data protection, safety, security and ownership issues, harmonisation strategies of existing and newly collected data - and for evidence-based innovations for diagnosis, personalised treatment, prediction and prevention, other activities are also needed to further elaborate and implement personalised medicine approaches.

For example, the realisation of large Research Infrastructures of worldwide excellence is one of the five strategic axes for the structuring and development of the European Research Area. Research infrastructures are a means to promote cooperation on a pan-European scale and to provide scientific communities with efficient access to advanced methods and technologies. They address basic, clinical and applied research in all scientific fields, from the humanities and social sciences to physics, biomedical, environmental, energy and materials sciences, and nano-sciences. They can be considered instruments to speed up the transfer of scientific discoveries into innovation and measures for public health.

Indeed, an increasingly complex and changing reality needs global interconnections between knowledge through a network of data and people dedicated to research, innovation and creativity and tools for the creation of such knowledge, as well as the transfer of results from research to the community.

It is therefore important to know how an infrastructure works and what obstacles need to be considered and avoided in order to use it.

Our Aims

The aim of this training is the promotion of the use of European Research Infrastructures in the biomedical field to better inform researchers on the potential use of Biological and Medical Research Infrastructures and the benefits arising from their use, to accelerate excellence, innovation and translation, but also make them aware of the barriers to be overcome.

Invited Speakers

Toni Andreu – EATRIS Scientific Director

Sergio Crovella – BATMAN Project (funded by the ERAPerMed JTC 2018) Coordinator, University of Qatar

Jacques Demotes – ECRIN Director General

Laura Garcia Bermejo – EATRIS Spain National Director

Jens Habermann – BBMRI ERIC Director General

Serena Scollen – Head of Human Genomics and Translational Data at ELIXIR



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Agenda

09:00-09:15

Registration of participants

09:15-09:30

Welcome ICPerMed and Introduction

09:30-11:00

Session 1

General framework and Presentation of the existing RIs focused on PM and SoA + importance of the RIs at the European Level

Speakers:

- 1.1 EATRIS – Toni Andreu – Laura Garcia Bramejo
- 1.2 ECRIN – Jacques Demotes
- 1.3 ELIXIR – Serena Scollen
- 1.4 BBMRI – Jens Habermann

11:00-11:15 Coffee break

11:15-13:00

Session 2

Functioning of the RIs at the pre-clinical, translational and clinical levels

Speakers:

- 2.1 EATRIS – Toni Andreu – Laura Garcia Bramejo
- 2.2 ECRIN – Jacques Demotes
- 2.3 ELIXIR – Serena Scollen
- 2.4 BBMRI – Jens Habermann

13:00-14:00 lunch break

14:00-16:00

Session 3

Challenges and Issues

Speakers:

- 3.1 Reperoducibility and quality, generation of evidence, multidisciplinary – Toni Andreu
- 3.2 Methodology and regulatory eco-system – Jacques Demotes
- 3.3 RI in Personalised Medicine – Sergio Crovella
- 3.4 Q&A session from the attendants

16:00-16:15 Coffee break

16:15-17:00

Session 4

Examples of concrete use of the RI in the projects funded under EraPerMed and related benefits

Speakers:

- 4.1 BATMAN (ERAPerMed2018) – Sergio Crovella
- 4.2 Remedi4all – Toni Andreu
- 4.3 PERMIT synergy – Jacques Demotes

17:00: conclusions

Participants



Researchers, Health Professionals

Logistics information



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Link to the training platform:
Register [here](#)