

1st Sino-EU PerMed Science & Technology Webinar: Perspectives in Personalised Medicine: genomics, rare diseases, devices

13th September 2022, 8:00 – 13:00 CEST, 14:00 – 19:00 CST

A key part of the overall activities of the International Consortium of Personalised Medicine to align efforts in all areas of personalised medicine (PM), is to foster international coordination of research and innovation funding and policies.

To support these activities Sino-EU PerMed project, which is a project financed by the European Commission, undertakes several activities to promote interactions between China and EU within the area of personalised medicine. A key part of the project is to exchange expertise and PM knowledge via science and technology webinars, thereby promoting cooperation and networking activities.

Webinar Program

08:00 – 08:20 **Welcome & Introduction**

Ejner Moltzen (Innovation Fund Denmark, WG4 Lead)

Fuxiang He (Counselor, Embassy of the People's Republic of China in Denmark)

Alexandru Costescu (Policy Officer, Health Research, European Commission)

08:20 – 09:45 **Genetic data and biosamples for PM: Developments and uses**

In both China and EU there has for several years been high focus on collecting genetic data and related biosamples to promote a personalised approach to healthcare, both regarding diagnostics, biomarkers, and treatments. Recent strategies and examples of use of such information for PM-based approaches will be presented.

- **Flora Peyvandi** (Scientific Director, IRCCS Maggiore Hospital, Milan): **Personalised rare disease treatment**
- **Jie Huang** (Associate Professor and Principal Investigator at the School of Public Health and Emergency Management, Southern University of Science and Technology, Shenzhen): **From Precision Health to One Health: COVID-19 driven challenges and opportunities for genomic testing and research**
- **Ruben Koch** (Director, Dutch Techcentre for Life Sciences, Utrecht): **The 1+ Million Genomes Initiative**

09:45 - 10:00 **Short Break**

10:00 - 11:15 **Genetic data and biosamples for PM: Developments and uses, continued**

- **Yiming Bao** (Director of National Genomics Data Center, Beijing Institute of Genomics (BIG), Chinese Academy of Sciences (CAS) and China National Center for Bioinformation, Beijing): **Genomics data resource in China**
- **Hua Chen** (Professor and Group Leader at the Beijing Institute of Genomics, Chinese Academy of Sciences (CAS) and China National Center for Bioinformation, Beijing): **Personalized Medicine and Big Data: Where Are We Now? And Where to Go?**

- **Juan José Beloqui Lizaso** (Head of Pharmacogenetics at the Genomic Medicine Unit at Navarrabiomed, Pamplona): **PHARMANAGEN: Integrating pharmacogenetic data from NGS into a Health Service**

11:15 - 12:00 **Devices: PM-related approaches in tissue regeneration**

Medical devices are of key importance in many PM-based treatments. The field of regeneration and replacement of defected tissues is a key topic in many diseases.

- **Mike Barbeck** (Group leader in vivo biomaterial research, Clinic and Policlinic for Dermatology and Venereology, University Medical Center Rostock): **Current possibilities for hard and soft tissue regeneration and requirements for the materials of the future**
- **Jiajia Xue** (Professor, College of Materials Science and Engineering at Beijing University of Chemical Technology): **Electrospun fibers for bone tissue regeneration**

12:00 - 12:45 **Panel discussion**

Translation of biomedical information into PM-based treatments in China and EU: opportunities and barriers

12:45 - 13:00 **Conclusions and closure of webinar**