

Working group mandate:

Swiss Federated Metabolomics/Proteomics Network: concept for governance, processes and infrastructures

Proposed mandate:

The Working Group shall develop a “**Swiss Federated Metabolomics/Proteomics Network**”. The concept should be based on a federated system and should be compatible with SPHN’s environment, principles, and efforts in GA4GH.

Deliverables:

A detailed concept should be provided including:

- Mapping of current Metabolomics/Proteomics landscape in Switzerland;
- Simple use case descriptions for researcher (access to platforms, quality control, bioinformatics services, return of results etc.);
- An overall concept of a federated Metabolomics/Proteomics network enabling sharing and processing genomic data for research ;
- Definition of the interface with the clinical environment (technical and processes);
- Description on the proposed strategy to achieve national harmonisation (considering international standards);
- A concept for biospecimens and data storage and transfer processes;
- Data and sample security with a specific focus on Metabolomics/Proteomics data;
- Definition of roles and responsibility (DCC/BioMedIT network, Metabolomics/Proteomics centers, hospitals);
- Definition of processes for returnable actions in the clinical world and patient healthcare.

To achieve these goals a start-up proposal with:

- A work plan (scope and focus, feasibility, timeline, work packages, milestones);
- Resource requirements;
- A list of experts that should be consulted from the Swiss and international community.

Timeline: 6 months.

Proposed work plan:

A series of 3-4 meetings is arranged with the Working Group with 3 weeks between each meeting. During the meetings, the draft concept is discussed and further developed. The meeting documentation should be sent at least 1 week prior to the meeting.

Financial needs for the working group:

Reimbursement of travel expenses for Swiss participants
Reimbursement of travel expenses for international experts
Refreshments

Total

CHF 20'000.-

Working Group composition (approved by the NSB on 21 NOV 2019):

- Bernd Wollscheid, ETHZ - confirmed
 - Nicola Zamboni, ETHZ - confirmed
 - Andreas Wicki, Basel - confirmed
 - Matthias Baumgartner, Kinderspital ZH - confirmed
 - Andreas Superti-Furga, CHUV - confirmed
 - Manfredo Quadroni, Lausanne - confirmed
 - Mojgan Masoodi, Insel - confirmed
 - Petros Tsantoulis, Geneva - confirmed
 - Kristina Schoonjans, EPFL - confirmed
 - Paolo Nanni, FGCZ - confirmed
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- Chairperson: B. Wollscheid, ETHZ
 - Vice-Chairperson: M. Baumgartner, Kinderspital ZH
 - Coordination: PHI.

Other points to consider:

International or national experts should be invited, however, they should be aligned with GA4GH's position.