

Nordic Biobank x NVIDIA Federated Learning Hackathon for Biomedical Applications

Copenhagen, 16-18 September 2026

A hackathon by [NSHG-PM](#), [NVIDIA](#) and [Rigshospitalet, Copenhagen University Hospital](#)

Call for Applications

We are pleased to invite applicants to participate in the **Nordic Biobank x NVIDIA Federated Learning Hackathon for Biomedical Applications**, organised in connection with the [Nordic Conference on Future Health 2026 \(14–16 September 2026\)](#).

The hackathon offers a unique opportunity to collaborate with leading experts, explore cutting-edge methodologies, and contribute to advancing precision medicine across the Nordics.

It brings together researchers, clinicians, data scientists, and innovators to collaboratively develop advanced analytical approaches for precision medicine using biobank-scale, multimodal datasets across the Nordic countries. Building on emerging frameworks such as federated learning and analytics, participants will work on real-world challenges at the intersection of genomics, health data, and digital innovation.

About the Hackathon

Transformative advances in precision medicine increasingly depend on the ability to analyze complex datasets while ensuring privacy and secure data handling. As data sharing across biobanks is often restricted, **federated learning and analytical approaches** are key to unlocking their full potential. Sensitive data remains under the control of the originating institution as the purpose is to develop and test methods, not to exchange personal data.

During the hackathon, participants will collaborate in interdisciplinary teams to:

- Develop secure cross-biobank analytical workflows, leveraging [NVIDIA FLARE](#)
- Explore strategies for data harmonization across Nordic biobanks
- Apply federated, multimodal analyses to health-related outcomes

All projects will follow open science principles, with outcomes shared publicly (e.g., via GitHub and potential publications).



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Dates and Venue

- **Start:** Wednesday 16 September 2026 at 15:00 (CEST) with **working sessions:**
 - 16 September: 15:00 – 18:00
 - 17 September: Full working day
 - 18 September: Full working day, concluding at 17:00
- **Venue:** Rigshospitalet, Copenhagen University Hospital, Copenhagen, Denmark
(Exact location at the Rigshospitalet premises will be announced later.)

Participation is **free of charge** and includes coffee breaks and lunch on Thursday and Friday.

Participation and Selection

We welcome applications from:

- Researchers and clinicians
- Data scientists and bioinformaticians
- AI and machine learning specialists
- Professionals working with health data, biobanks, or precision medicine

Participation is subject to application and selection. Due to limited capacity, participants will be selected based on criteria including:

- Appropriate expertise of relevance to biobanks
- Access to relevant biobank data
- Aim at strong interdisciplinary mix of expertise
- Background, skills, and motivation for participating

Please submit your application to participate via the online form available at:

[!\[\]\(9c2e8d1b5bd77cb5c9f83b7a9cff79fd_img.jpg\) Application form \(on Google Drive\)](#)

The second batch of applications will be reviewed and responded to by 19th of August (the first batch of applicants has been notified by now).

Additional applications will be reviewed as space allows and responded to latest by first week of September.

