



VINNOVA phase I Excellence Cluster planning project

Breakthrough Technologies in Molecular Life Science to Power Precision Medicine and the Future of Healthcare in Sweden

- Translating new ideas into clinical use needs to be **faster** and more **efficient**
- By empowering breakthrough solutions in molecular life science and AI, SciLifeLab enables the rapid **integration of precision medicine** innovations into Sweden's healthcare system.



- Universities & SciLifeLab
- University hospital
- Joint precision medicine unit

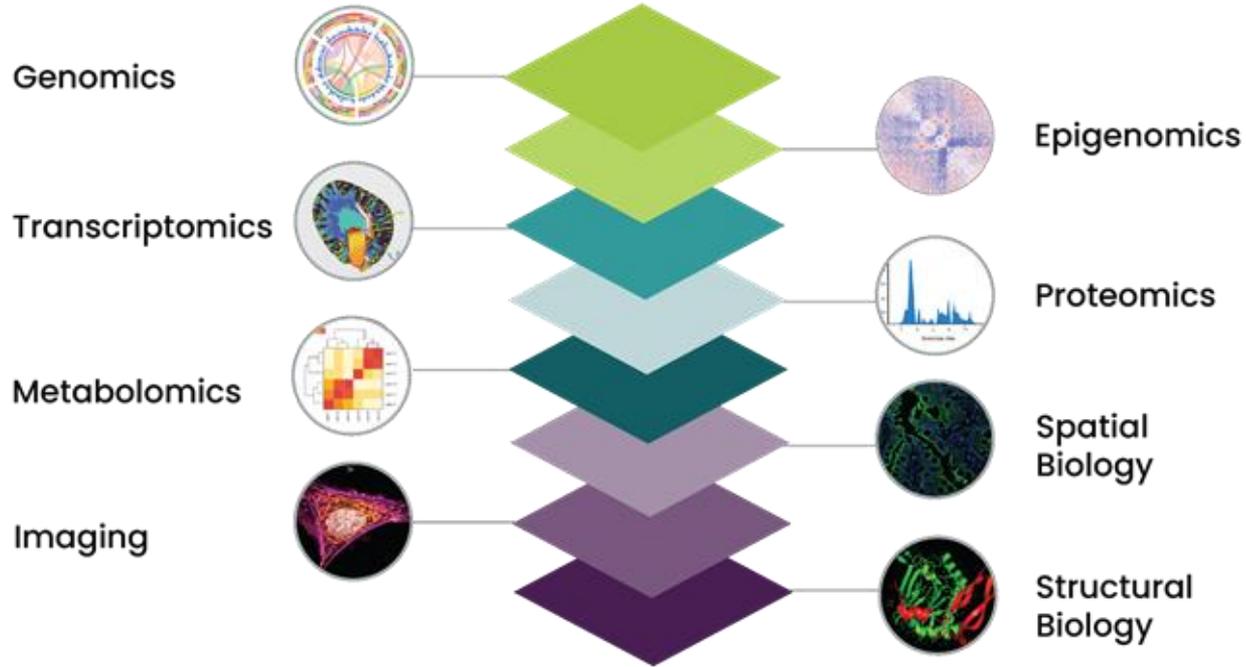




Key objectives

1. Establish complementary **precision medicine units** at the seven universities and university hospitals, jointly operated with SciLifeLab
2. Develop joint **secure data environment** to integrate clinical and molecular data at scale
3. Develop **AI-driven data analysis** and provide decision support tools to use molecular insights in clinical practice
4. Scale technology innovation through **co-creation with industry**, creation of spin-offs and commercial partnerships
5. Create new technology-based precision medicine infrastructure for **clinical trials** to improve patient stratification and provide new explorative endpoints.
6. Provide an environment to attract **additional investments**

SciLifeLab cutting-edge technologies



Work packages



Technology infrastructure

key objective: 1

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Data & AI infrastructure

key objective: 2, 3

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Innovation & industry

key objective: 4, 5, 6

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Work on **ELSI, social sciences and communications** related to the project are involved in all working groups.

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