



Planetary Biology

SciLifeLab's Planetary Biology capability is sprung out of a need for trans-disciplinary and coordinated approaches to study life on earth, with a broad scope ranging from single molecules and cells to individual species, species communities, ecosystems, and their functioning on the planet. Simply speaking "Life in environmental context".

By combining SciLifeLab infrastructure, and the data-driven life science approach with a focus on planetary biology, the capability will create opportunities with a strong impact on ecosystem science. Taking advantage of SciLifeLab's national research infrastructure, technology, and scientific excellence, techniques such as imaging, microscopy, genomics, bioinformatics, metabolomics, proteomics, and big data analysis, for non-biomedical research will be used to shed light on all aspects of life on our planet.

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The foundation of SciLifeLab rests on three pillars: a state of the art research infrastructure, a community of world-class researchers, and an extensive Data-Driven Life Science program (DDLS). SciLifeLab's thematic focus areas combine infrastructure technology with expertise on Pandemic Laboratory Preparedness, Precision Medicine, and Planetary Biology.