

Quality of research at ILF

The research at ILF involves qualitative and/or quantitative approaches – generating results of high quality. It is important that all researchers at ILF continuously strive to increase the quality of their research.

This document is a short summary of ILFs understanding/definition of typical characteristics of high-quality research.

Novelty

- Active compounds, targets, assays, functional insight etc.
- Improved methodologies with high potential for general use

Significance/value

- Applicability to the scientific community, general public and/or other external stakeholders (e.g., pharmaceutical industry, hospitals or patient organizations)
- Potential to establish a new field of research with international impact or to significantly advance a field

Interdisciplinarity

- Creating strong research environment and infrastructure: e.g., expertise and synergy
- Establishing or developing fruitful national and international collaborations

Robustness

- Research design and methods are appropriate, clear and well-defined
- Well-documented results
- Reproducibility
- Transparency e.g., original data should be deposited when applicable
- Accountability e.g., disclosure of funding sources, potential conflicts of interest
- Auditability

Open science, data and results

- Dissemination of result via e.g., open science and open access
- Data availability and management according to the FAIR principles (findable, accessible, interoperable and reusable)

Ethics

- Responsible conduct of research e.g., credibility (the quality of the research is trustworthy) and avoidance of plagiarism
- Legal e.g., GDPR national guidelines for ethical protocols, data processing agreements, and work with animals and humans being performed according to the guidelines