What is Life Science Technologies about?

- educates a new generation of engineers, researchers and entrepreneurs who are committed to improve human health and wellbeing through development of innovative scientific and engineering solutions

- covers biological data analysis and modeling, bioelectronics, biomedical engineering, neuroscience, synthetic biology and chemistry

- Life Tech programme has a strong focus on the technological aspect of Life Sciences
One programme – Three schools – Six majors

**School of Chemical Engineering (CHEM)**

- *Biosystems and Biomaterials Engineering*
- Alexander Frey

**School of Electrical Engineering (ELEC)**

- *Biosensing and Bioelectronics*
- Tomi Laurila

**School of Science (SCI)**

- *Bioinformatics and digital health*
- Harri Lähdesmäki
- *Complex Systems*
- Jari Saramäki
- *Biomedical Engineering*
- Matias Palva
- *Human Neuroscience and Technology*
- Lauri Parkkonen
Structure of the programme

- Major 60 or 65 credits
- Master’s thesis 30 credits
- Elective studies 30 or 25 credits

- 120 ECTS credits
- Major, master’s thesis and elective studies
- To be completed in two years
- Full time programme

Curriculum 2022-2024
https://into.aalto.fi/display/enlst/Curriculum+2022-2024
Why is Life Science Technologies important?

Technological innovations have become an essential part of modern healthcare, well-being and bioeconomy.
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6.7 M death worldwide
Health Technology is #1 high-tech export field in Finland

The exports of the Finnish health technology reached EUR 2.43 billion in 2020.

Hologic to acquire Mobidiag in €668m deal

Mobidiag, a Finnish-French developer of innovative molecular diagnostic tests and instrumentation, has signed a definitive agreement to be acquired by Hologic, a women’s health specialist, for approximately €668 million.

Bayer makes 250-million-euro investment in Turku
Not only health – impact on sustainability and circular economy

A combination of wood fibres and spider silk could rival plastic

These ‘microbe-grown’ headphones could be the future of sustainable electronics

Published: 16.9.2019
LST—success stories from our students
SCI MSc Thesis Awards

SCI Master’s thesis award 2020

“Distinguishing subsampled power laws from other heavy-tailed distributions”

 SCI Master’s thesis award 2021

“Quantifying polarization in social networks”

https://into.aalto.fi/display/enlst/Master%27s+Theses+and+Press+Releases+of+LifeTech+Students
Master's Programme in Life Science Technologies

Prof. Anton Kuzyk
Director of the Life Science Technologies programme