8 FACULTIES
a comprehensive university
And more than 30 worldleading research areas
7 400 employees, more than 40 000 students
One of Scandinavia’s broadest research environments.
Faculty of Medicine
2,800 full-time students
1,100 postgraduate students
150 obtain their doctorates each year
1,800 employees
200 professors
EDUCATION
Learning for life.
Undergraduate programmes

- Audiology
- Biomedicine
- Medicine
- Nursing
- Diagnostic Radiology Nursing
- Occupational Therapy
- Physical Therapy
- Speech Pathology and Therapy
Master’s programmes

• Biomedicine
• Public Health
• Sport Sciences
• Medical Science specialising in Physiotherapy, Nursing, Logopedics, Occupational Therapy, Radiography and Reproductive, Perinatal and Sexual Health
• Specialist programmes in Nursing
PhD students from all over the world

The Faculty’s PhD students have Bachelor’s and Master’s degrees from 56 different countries
Strong research areas

*Examples*

- Neuroscience and diseases in the nervous system
- Diabetes
- Cardiovascular diseases
- Cancer
- Stem cell biology
- Infectious diseases
- Epidemiology
- Healthy Ageing
- Bioimaging and Massspectrometry
Home to 4 million inhabitants and Scandinavia’s largest recruitment base of highly-skilled employees.
MAX IV – the most brilliant X-rays for research.
ESS. European Spallation Source.
Staying relevant in the 21st century

- Education
- Research
- Cooperation, interdisciplinarity
- Innovation, translation
- Service to society
- **Academic core values remain the foundation**
  - Knowledge
  - Critical thinking
  - Creativity

Hangzhou, China
Westlake University
First private university, founded 20/10 2018
Personalized medicine or P4 Medicine

Patient empowerment

Personalized Health Care is P4/Systems Medicine
Big data →
Personalized medicine

- More data
  - Complex
  - Clinically relevant
- Advanced analysis
  - Interdisciplinarity
- Earlier diagnosis
  - Better understanding of health and disease
- Better treatment
A human is 50 cooperating networks

Clinical sciences

Basic sciences

Social networks

Environmental networks

Health sciences

Personal network

Organ networks

Cellular networks

Molecular networks
Homo matematicus

A human is 50 cooperating networks

Clinical sciences

Basic sciences

Social networks
Environmental networks

Health sciences

Personal network
Organ networks
Cellular networks
Molecular networks
Consequences for health care

- **Prediction**: early diagnosis
- **Prevention**: disease spectrum will change
- **Personalize**: individualized therapy
- **Participate**: Patient empowerment

*What do the patients want?*
Occupational therapy is essential in P4 medicine.
An OT "helps people across their lifespan participate in the things they want and need to do"

American Occupational Therapy Association
An OT "helps people across their lifespan participate in the things they want and need to do"

American Occupational Therapy Association

The MIROTS program empowers individuals