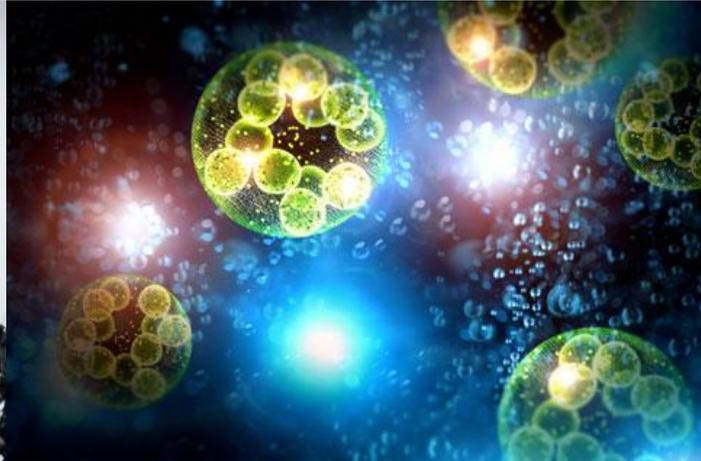




# Academy Programmes

# 2022



## Academy Programmes

# 2022

**Academy Programmes are thematic, target-oriented and coordinated research programmes that cover a range of activities to support innovative, high-quality and high-impact research and promote international and national research cooperation as well sustainable development.**

The topics of Academy Programmes are science-driven and emerge from key research needs in society identified through foresighting.

Academy Programmes have different focuses:

- advancing emerging fields of research
- supporting research related to societal challenges
- promoting national and international funding cooperation
- supporting Finnish researchers in seeking international collaborations and funding opportunities
- influencing the contents of international funding calls.





**Climate change**

**Energy**



**Environment**



**Digitalization**



**Emerging technologies**



**Media**

**Artificial Intelligence**



**Pandemics**

# Academy Programmes

# 2022



**R'Life**  
Molecular Regulatory  
Networks of Life  
2020–2023 »



**Resilience**  
Pandemics and Other  
Crises – Responses and  
Preparedness  
2021–2023 »



**RADDESS**  
Radiation Detectors  
for Health, Safety and  
Security 2018–2022 »



**DEVELOP**  
Programme for  
development research  
2018–2022 »



**pHealth**  
Personalised  
Health – From  
Genes to Society  
2015–2022 »



**CLIHE**  
Climate Change  
and Health  
2020–2023 »



**Romulus**  
Critical Materials in  
Circular Economy of Cities  
2022–2025 »



**MediaSoc**  
Media and  
Society  
2019–2022 »



**Climate-Synergy**  
Climate Change and  
Carbon Neutrality  
2022–2023 »



**C1 Value**  
2020–2023 »



**DIGIHUM**  
Digital  
Humanities  
2016–2022 »



**TERVA**  
Health from  
Science  
2018–2022 »



**BioFuture2025**  
2017–2021 »

## RESILIENCE

### Pandemics and Other Crises – Responses and Preparedness

The programme supports and accelerates research on the COVID-19 pandemic and other societal crises and its utilisation in society. The programme supports research on the mitigation of the effects of pandemics and other crises as well as crisis preparedness.

**Academy funding: ~30 M€**

[www.aka.fi/resilience](http://www.aka.fi/resilience)



## Climate-Synergy

### Climate Change and Carbon Neutrality research

The programme examines the impacts of climate change both in the environment and in society and seeks solutions to promote a carbon-neutral future. It pools together research in the field with a view to producing diverse impact on the key sustainability challenge of our time.

**Academy funding: ~100 M€**  
[www.aka.fi/climate](http://www.aka.fi/climate)

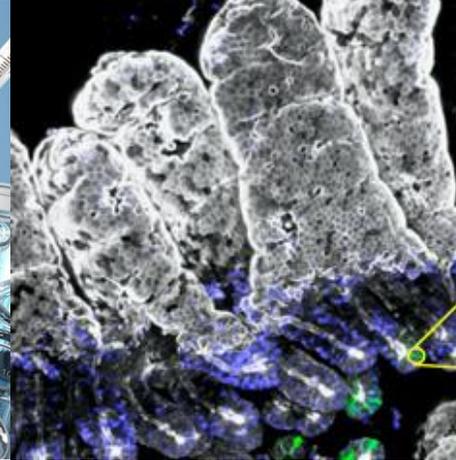
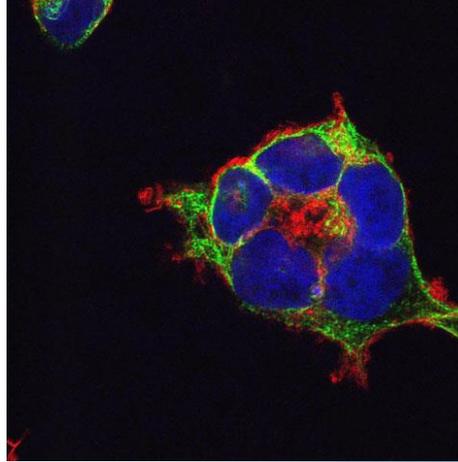


## R'Life

Molecular Regulatory  
Networks of Life  
2020–2023

R'Life seeks to broaden our understanding of the regulatory networks of organisms by generating new information on the key regulatory mechanisms of cells, individuals and populations through the latest advances in molecular biology and effective use of research infrastructures.

**Academy funding: 8 M€**  
[www.aka.fi/rlife](http://www.aka.fi/rlife)



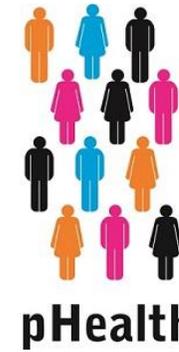
## pHealth

### Personalised Health – From Genes to Society 2015–2022

pHealth studies personalised medicine as a completely new approach to understanding, categorising, diagnosing, preventing and treating diseases and promoting good health.

**Academy funding: 13.9 M€**

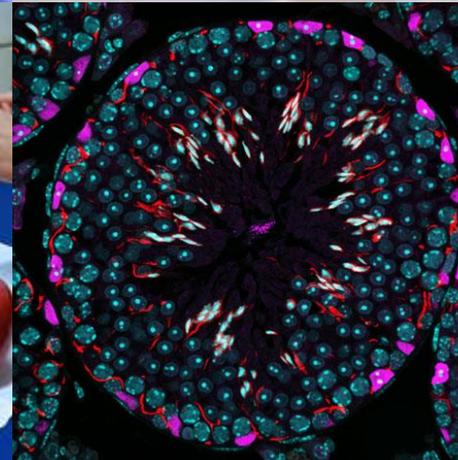
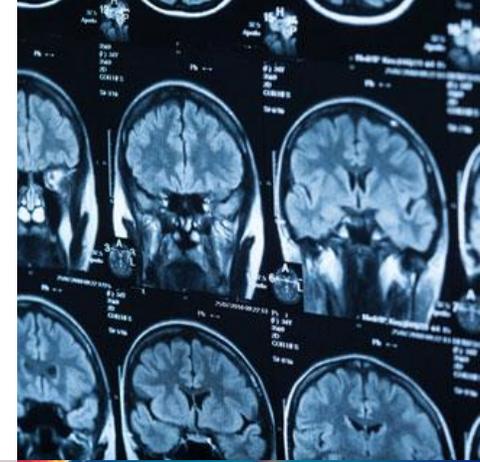
[www.aka.fi/phealth](http://www.aka.fi/phealth)



**TERVA**  
Health from Science  
2018–2022

TERVA seeks bold, new research initiatives that aim to solve health issues related to major public health diseases. The programme is carried out in collaboration with foundations that fund medical research.

**Funding: 10 + 2.4 M€**  
[www.aka.fi/terva](http://www.aka.fi/terva)



## CLIHE

### Climate Change and Health 2020–2023

CLIHE aims to produce new information to help forecast the effects that climate change has on health, prevent harmful impacts on health and adapt to climate change. The programme seeks to find better more in-depth ways to analyse short-term and long-term impacts on health and to develop assessment techniques.

**Academy funding: 9 M€**  
[www.aka.fi/clihe](http://www.aka.fi/clihe)



## BioFuture2025

2017–2024

BioFuture2025 is geared towards laying the foundation for next-generation bioeconomy solutions, practices and technologies. The programme also explores the societal implications of shifting to a biobased economy.

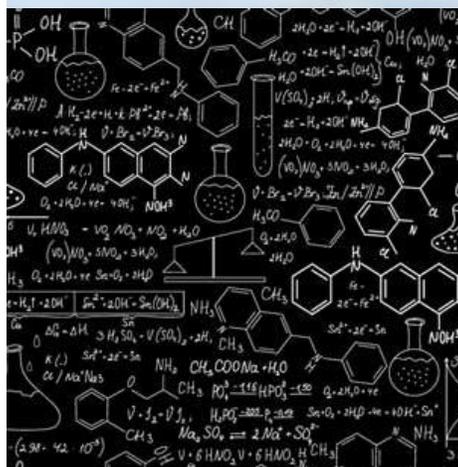
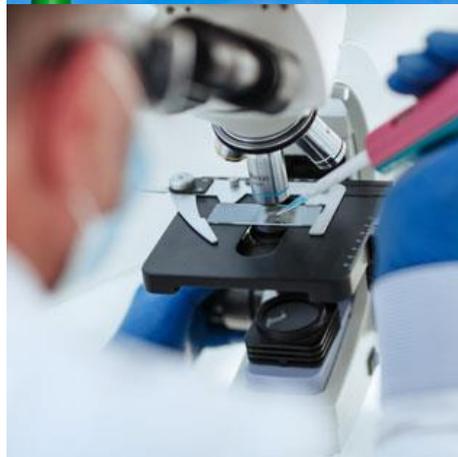
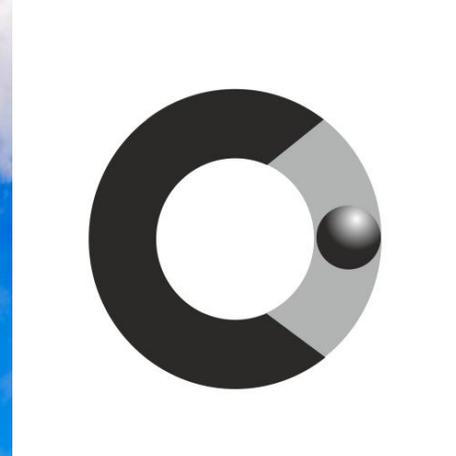
**Academy funding: 13.75 M€**  
[www.aka.fi/biofuture2025](http://www.aka.fi/biofuture2025)



## C1 Value 2020–2023

C1 Value aims to create new solutions for the conversion of C1 compounds into raw material and for the capture of carbon dioxide. Carbon neutrality can be achieved not just by cutting carbon emissions but also by promoting solutions that reduce the volume of carbon compounds in the atmosphere.

**Academy funding: 6 M€**  
[www.aka.fi/c1value](http://www.aka.fi/c1value)

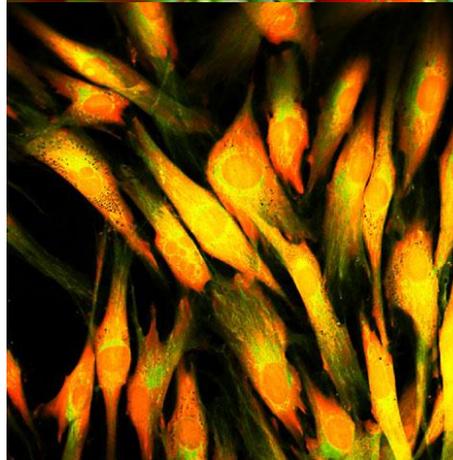
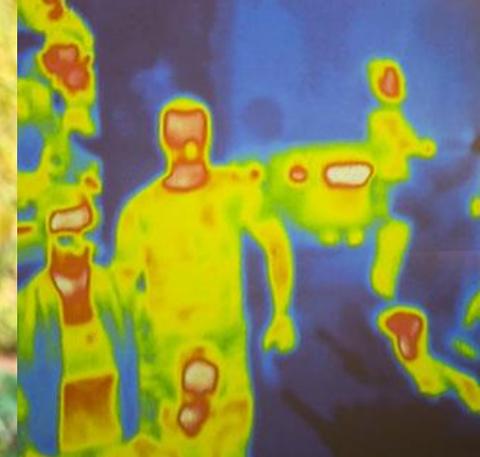
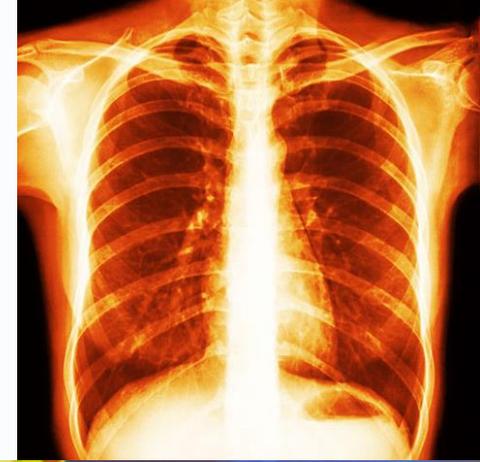
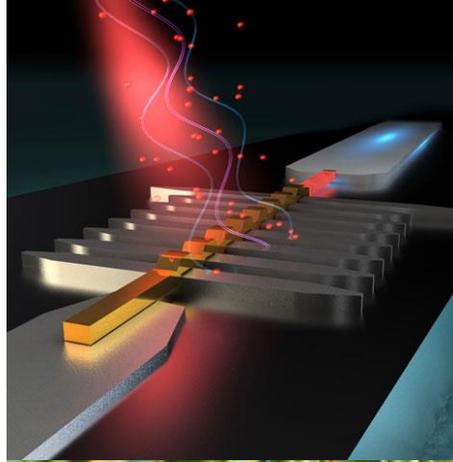


## **RADDESS**

Radiation Detectors for  
Health, Safety and Security  
2018–2022

RADDESS develops electro-magnetic and particle radiation detection technologies for health, safety and security applications. The programme has three main research themes: alternative imaging methods, safety and security technology, and the physics of radiation detectors.

**Academy funding: 12 M€**  
[www.aka.fi/raddress](http://www.aka.fi/raddress)



## Romulus

### Critical Materials in Circular Economy of Cities 2022–2025

Romulus explores the occurrence and chemical composition and properties of critical metals, integrating this with research on the circular economy of cities. The programme examines processes, products and services that are based on sustainable development.

**Academy funding: 7 M€**  
[www.aka.fi/romulus](http://www.aka.fi/romulus)



## DEVELOP

Programme for  
development research  
2018–2022

Develop increases understanding of global development obstacles and finds ways in which those obstacles can be removed. The programme is funded together with the Ministry for Foreign Affairs of Finland.

**Funding: 3+6 M€**  
[www.aka.fi/develop](http://www.aka.fi/develop)



**MediaSoc**  
Media and Society  
2019–2022

The media play an increasingly important and unpredictable role in the sphere of society and culture. MediaSoc identifies, analyses and explains concepts, phenomena and trends in this context, and expands the horizon for societal choices and solutions.

**Academy funding: 8 M€**  
[www.aka.fi/mediasoc](http://www.aka.fi/mediasoc)

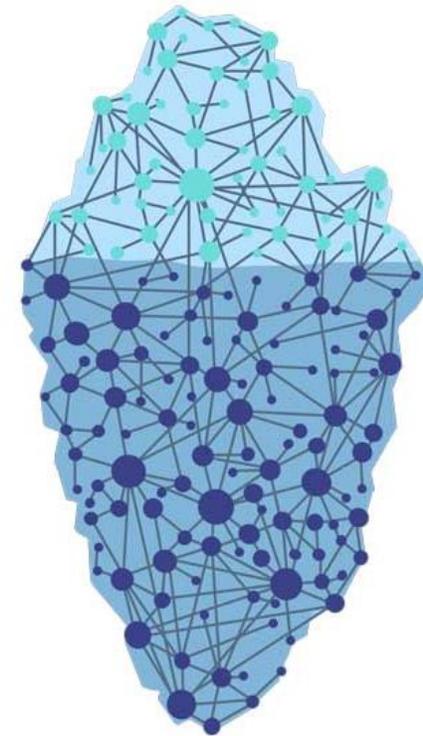


# DIGIHUM

Digital Humanities  
2016–2022

DIGIHUM is designed to address novel methods and techniques in which digital technology and state-of-the-art computational science methods are used for collecting, managing and analysing data in humanities and social sciences research.

**Academy funding: 8.7 M€**  
[www.aka.fi/digihum](http://www.aka.fi/digihum)



## Summary



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ACADEMY  
OF FINLAND

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