



University of
Zurich ^{UZH}

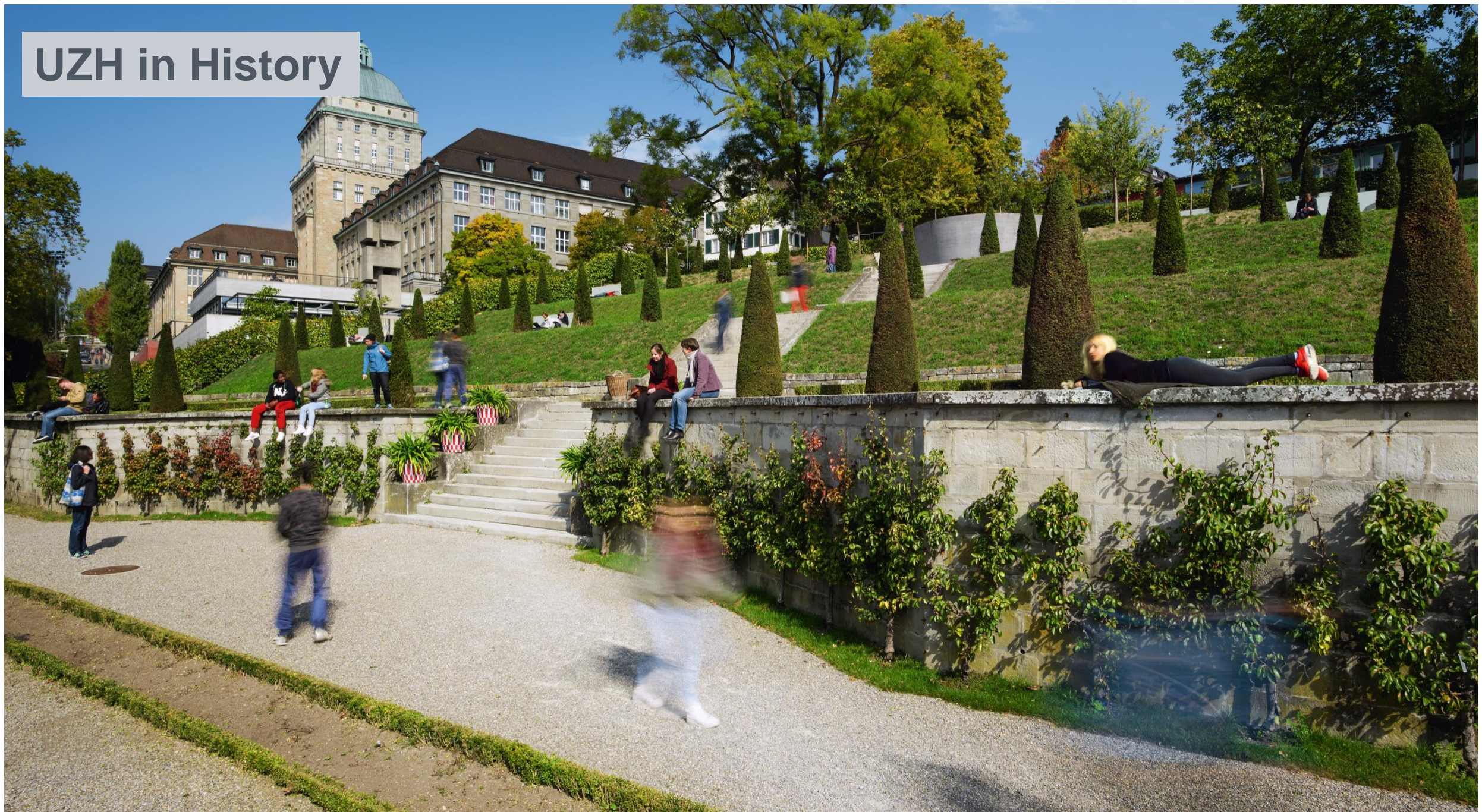
The UZH Innovation Hub – a Case Study of the University of Zurich

2019 EUA Annual Conference
11-12 April, 2019

Prof. Michael O. Hengartner
President



UZH in History



Promoting critical thinking since 1525

- In 1525, Huldrych Zwingli founded a theological college: the “Carolinum“, named after Charlemagne.
- In 1833, the Canton votes to fuse the “Carolinum“ with two other schools. The Universitas turicensis was born “through the will of the people”.
- In 1998, the University of Zurich gained independence from the Ministry of Education and became an autonomous public university.



Huldrych Zwingli
(Hans Asper, 1531)
Museum of Fine Arts, Winterthur

MDCCC XXXIII



UZH Today



Switzerland's largest and most diverse university

- Switzerland's largest and most diverse comprehensive university
- 26'000 students, 9'000 employees, 700 professors
- 7 faculties, >100 courses of studies

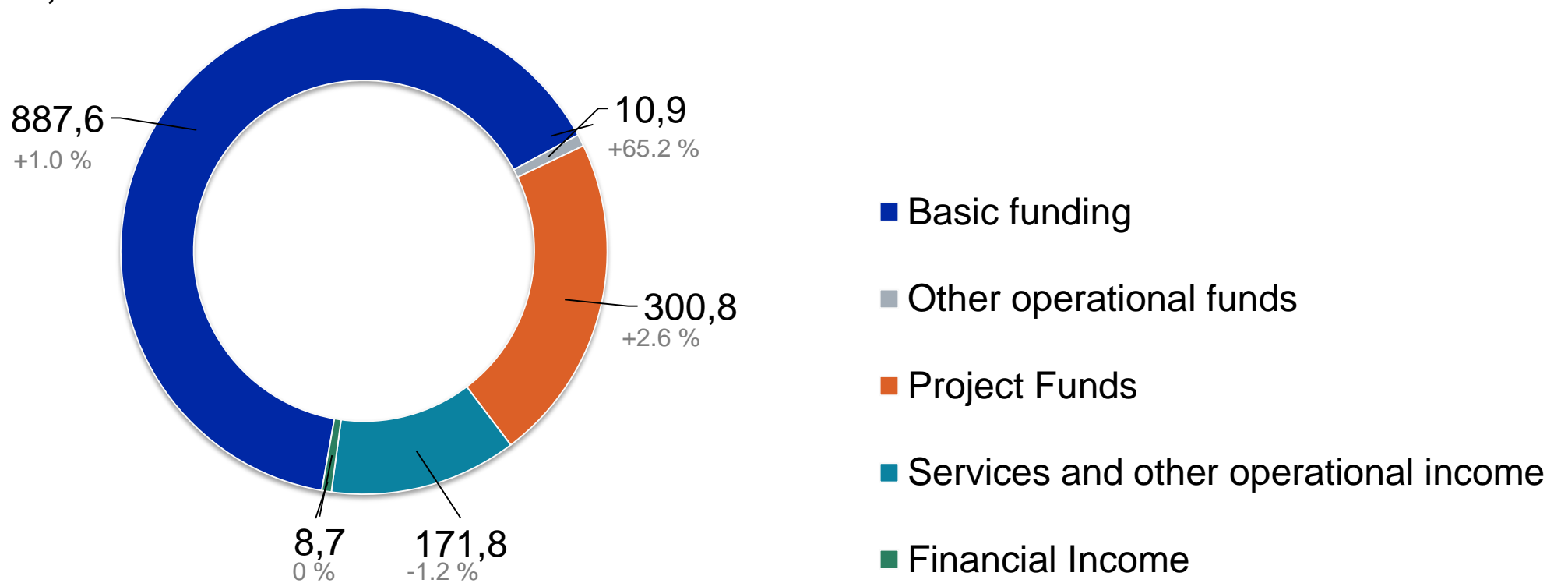
Mission

- Excellence in research and teaching
- Engagement with and for society



Sources of funding 2017 (in CHF millions)

Total: CHF 1, 379.8 million



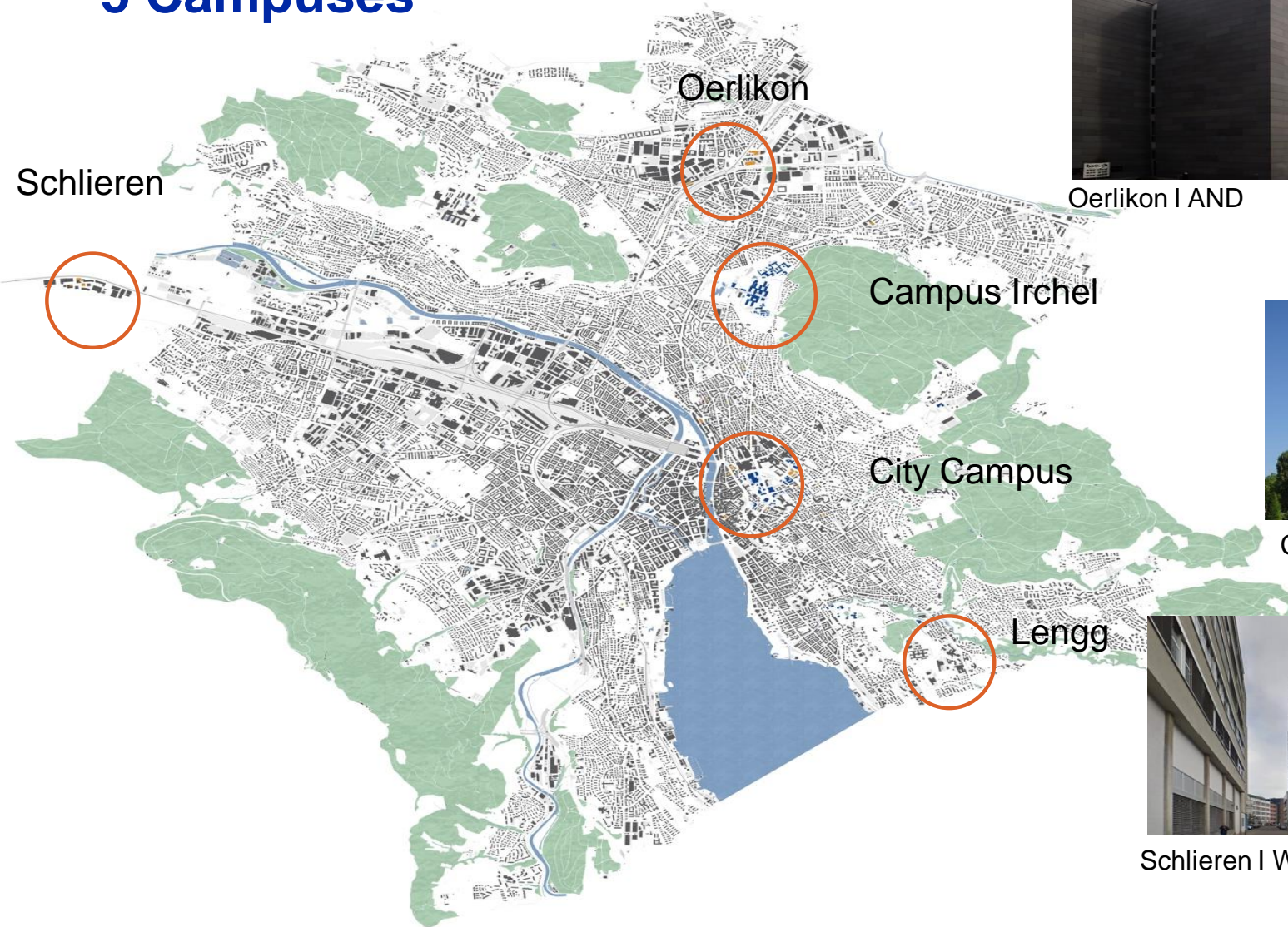


Contribution of UZH to the economy: Every invested CHF generates 4 additional CHF in added value

In 2017, UZH activities generated **6,4 billion CHF** of added value and **48'000 jobs**.



5 Campuses



Oerlikon I AND



Irchel Campus I Y21



City Campus I KOL

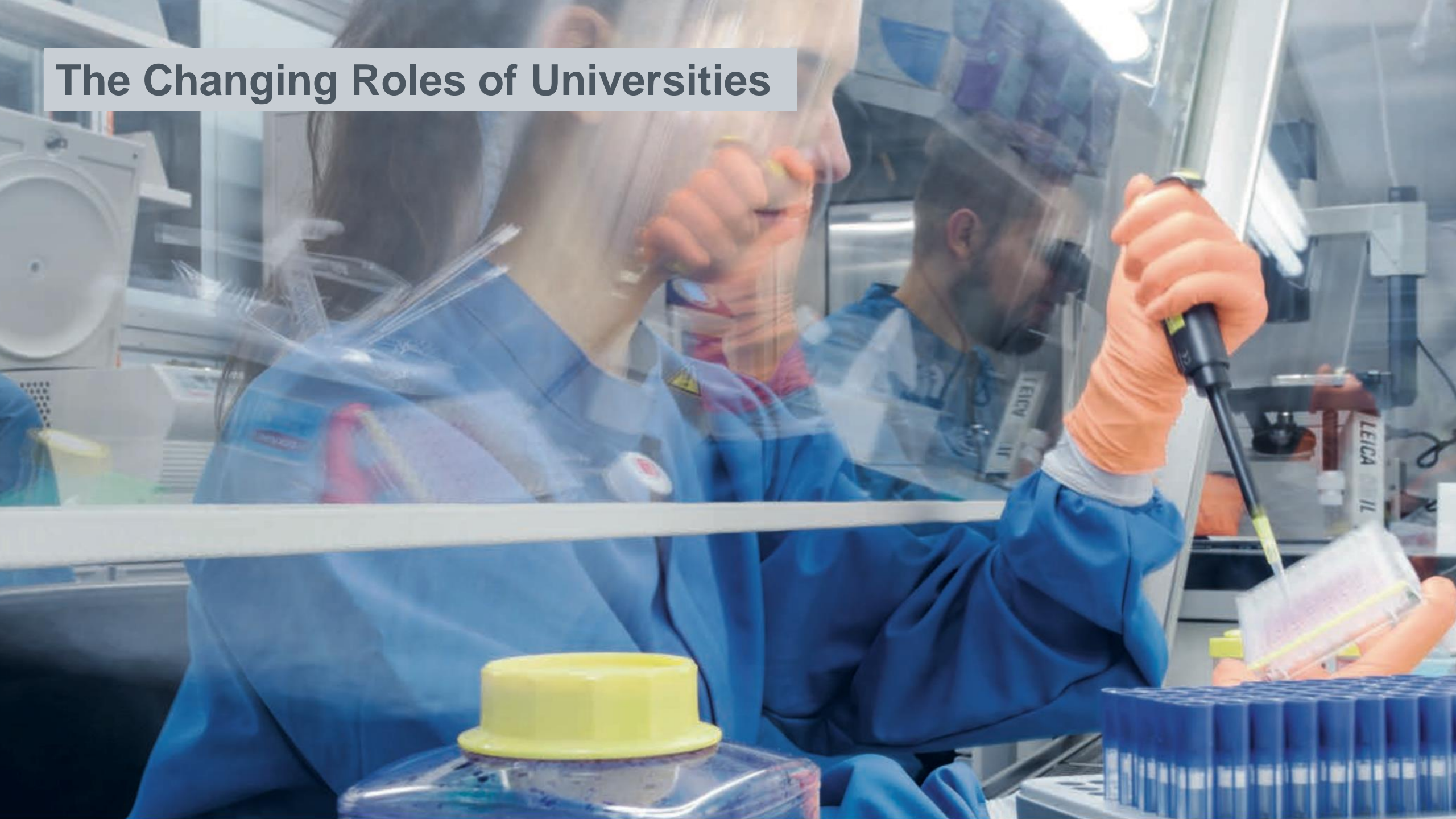


Schlieren I WAD

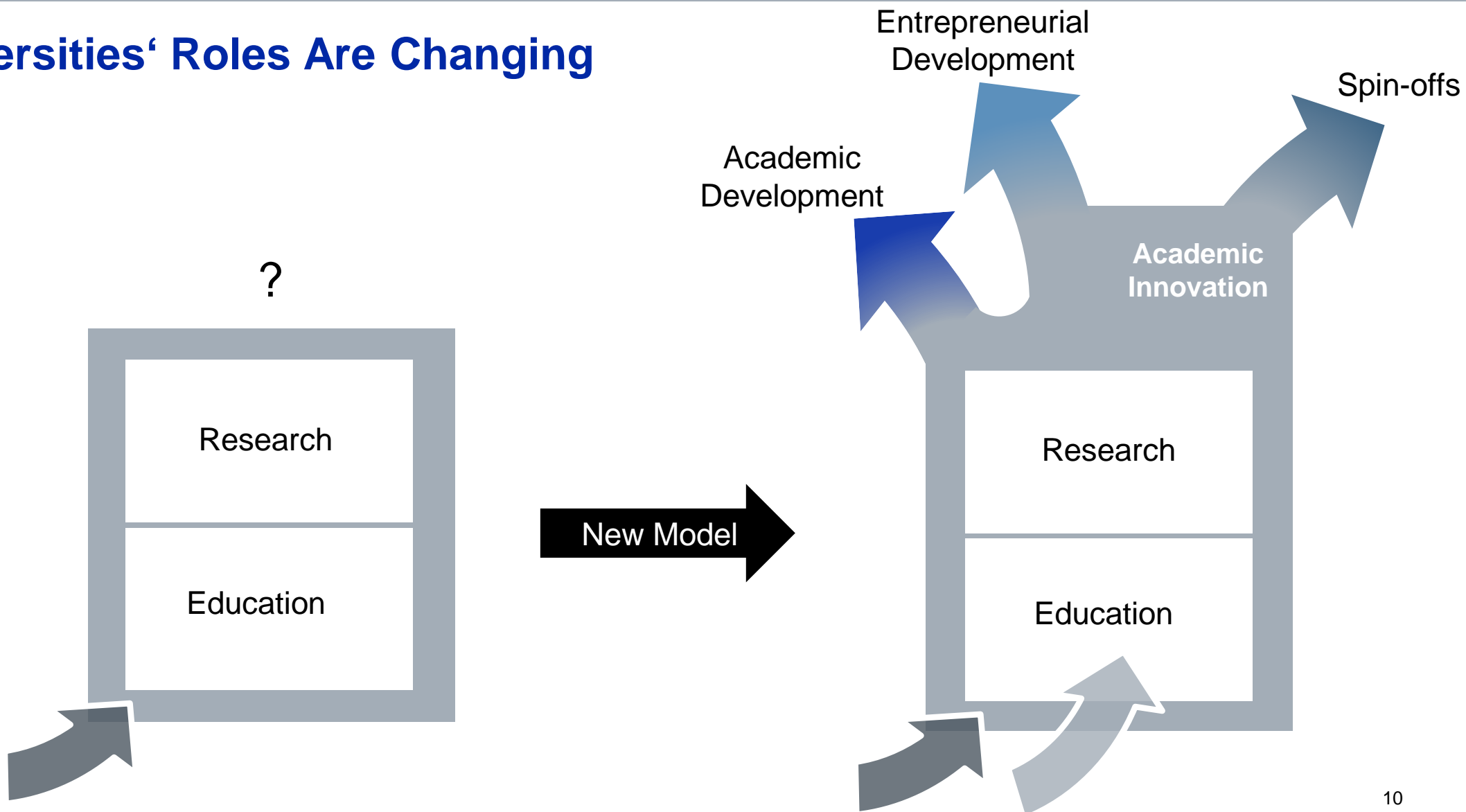


Lengg I FOR

The Changing Roles of Universities

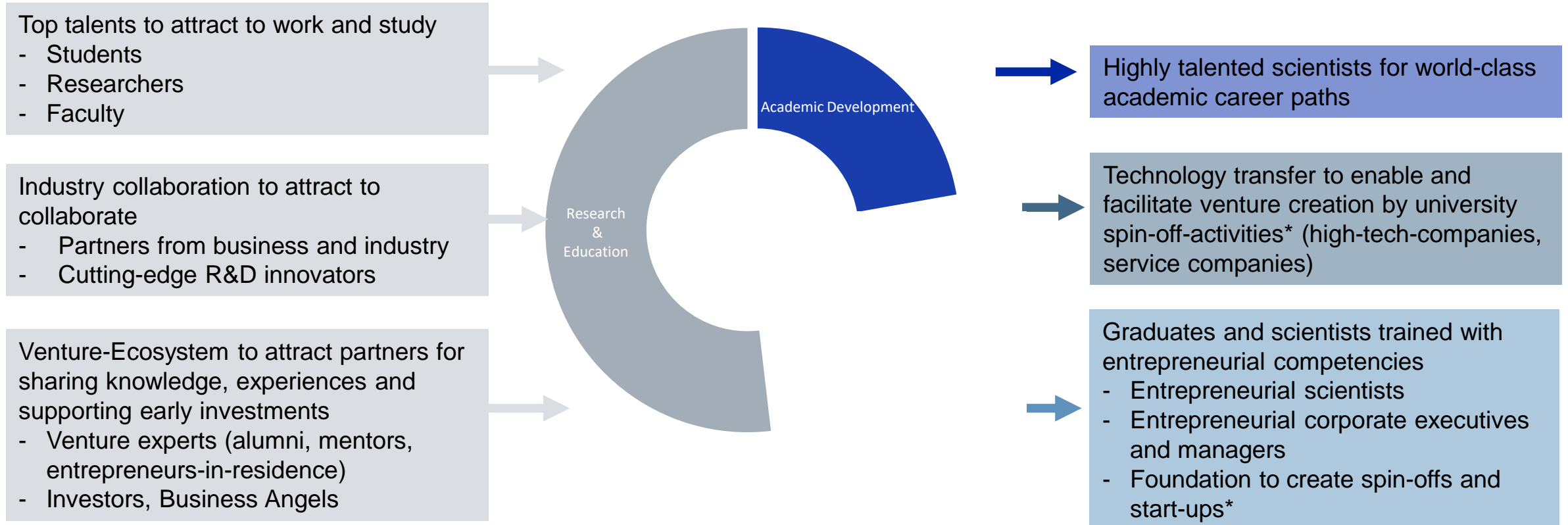


Universities' Roles Are Changing





University Mission – Knowledge & Technology Transfer



*Early-stage support

UZH Technology Transfer

> 300 active patent families
> 300 licences

> 100 spin-offs since 1999
(comparable with top US universities)

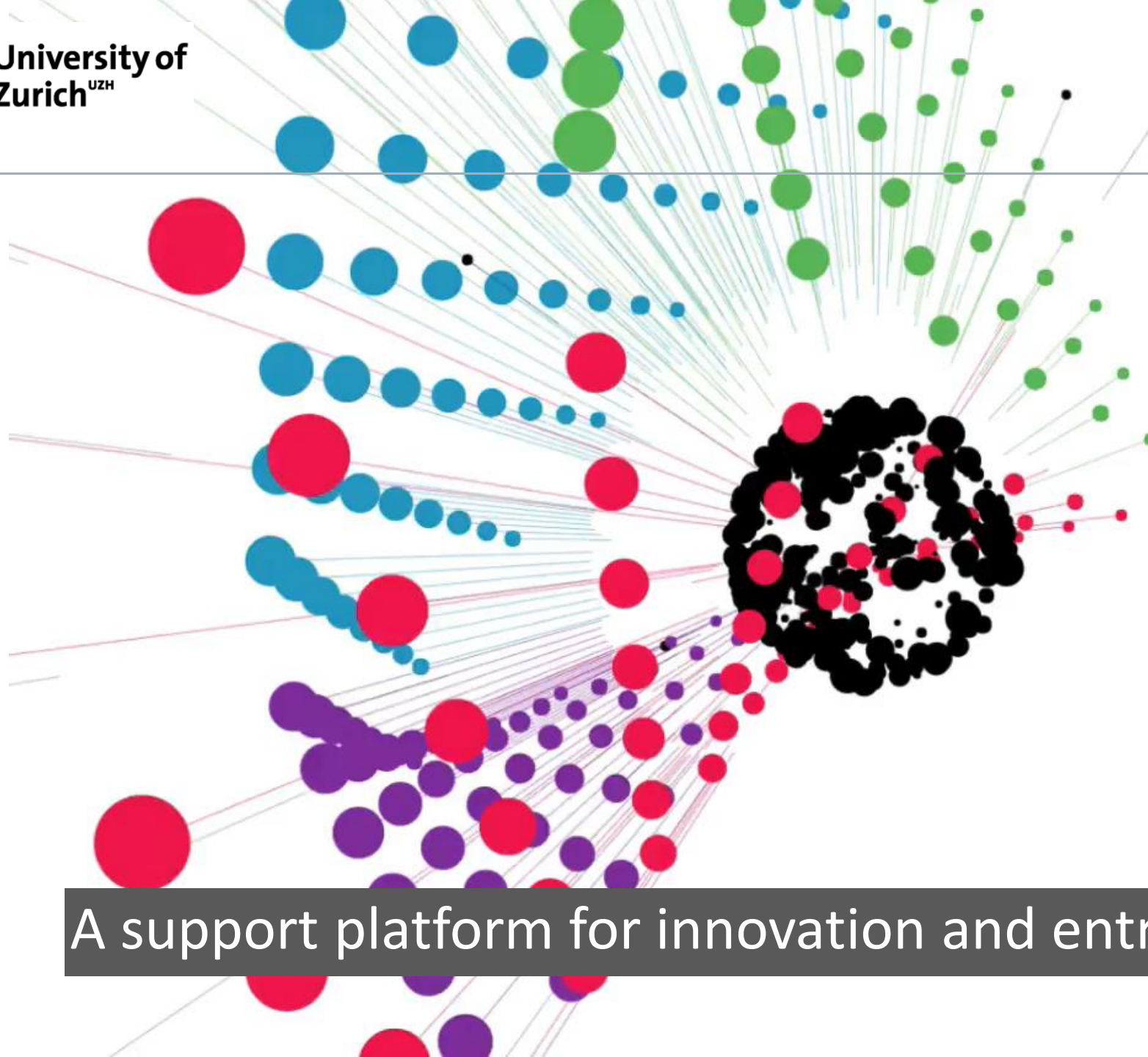
> 70 licenced products of UZH on
the market

UZH spin-offs high survival rates
after five years
CH: <50% – UZH: 95%

e.g. biotech & pharma
27 UZH projects in clinical development

commercialisation strategies
IPO / M&A / Licencing





A support platform for innovation and entrepreneurship



The UZH Innovation Hub is the platform for innovation and entrepreneurship at the University of Zurich.

- bundles skills and knowledge at the University
- connects students and researchers with the innovation ecosystem nationally and internationally
- provides support to transfer research into marketable products and to realize innovative ideas by founding a venture.

The UZH Innovation Hub as a catalyst accelerates the further development of new inventions and ideas and fosters the transfer of innovative research and teaching into economy and society.



Transfer of innovative ideas into marketable products, services, and applications

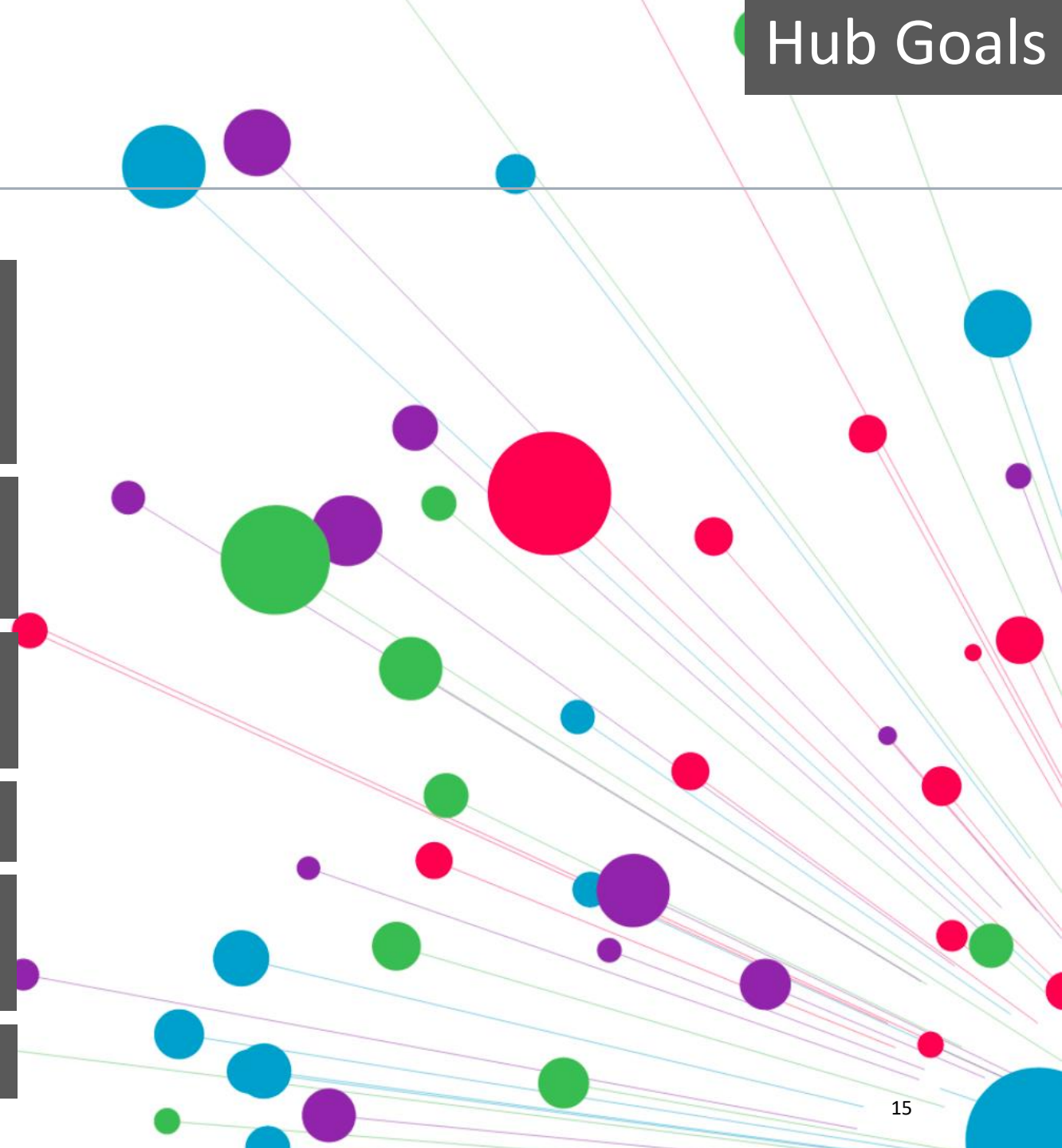
Train future leaders in science, economy and industry with entrepreneurial spirit

Exchange with national and international innovation players

Multidisciplinary cooperation

Inventions with societal relevance and highest scientific quality

Interaction with the public



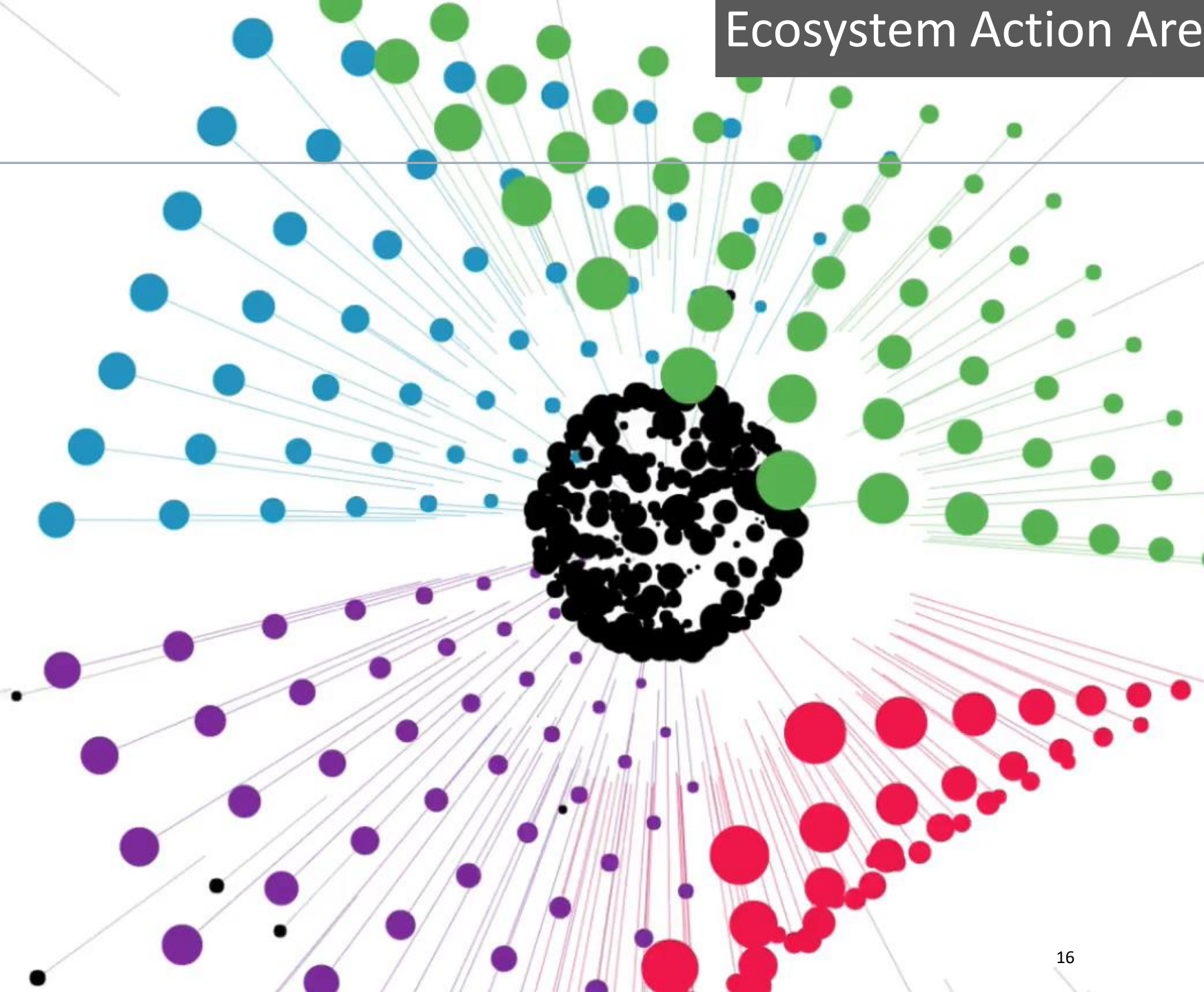


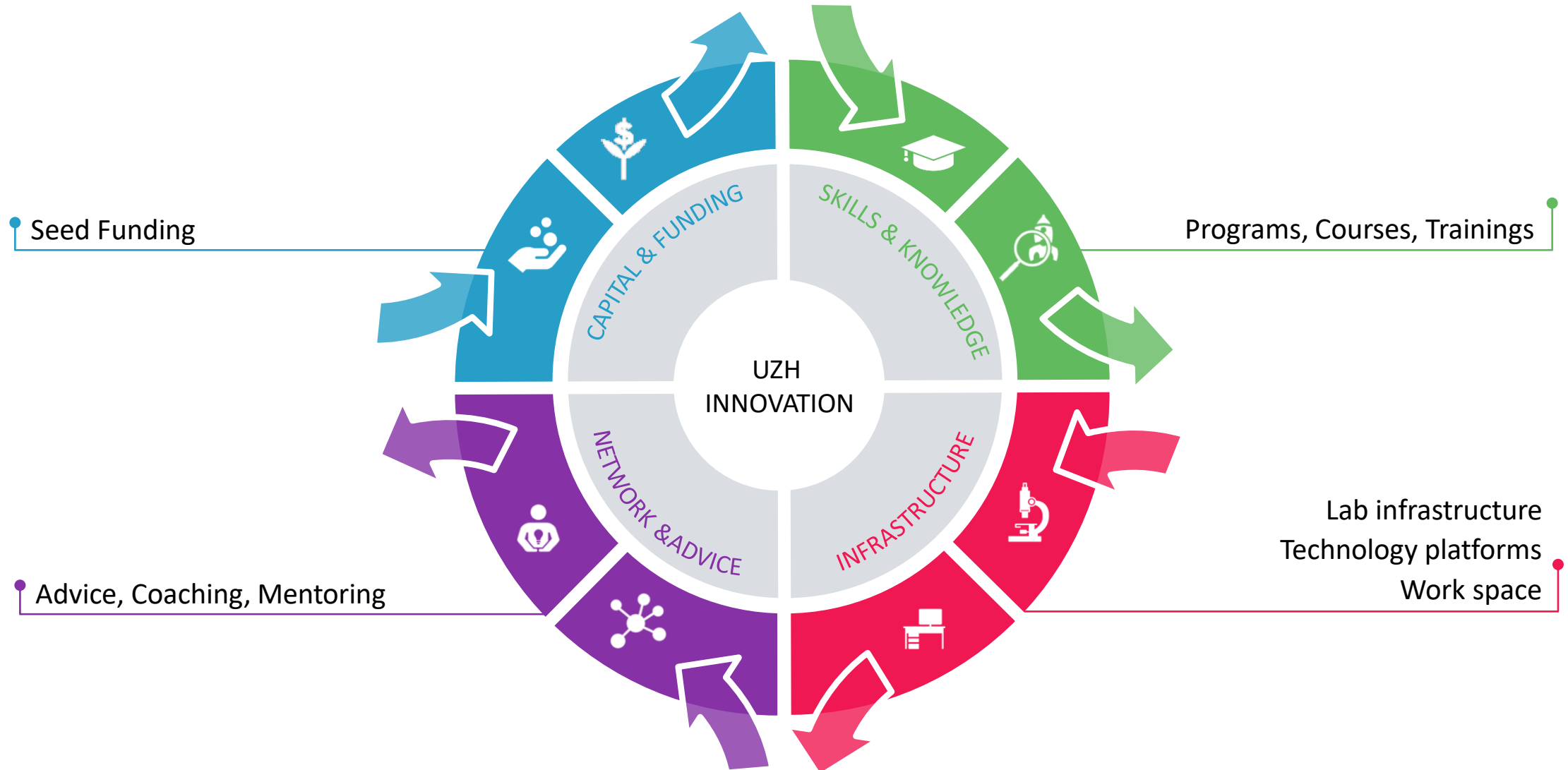
Skills & Knowledge

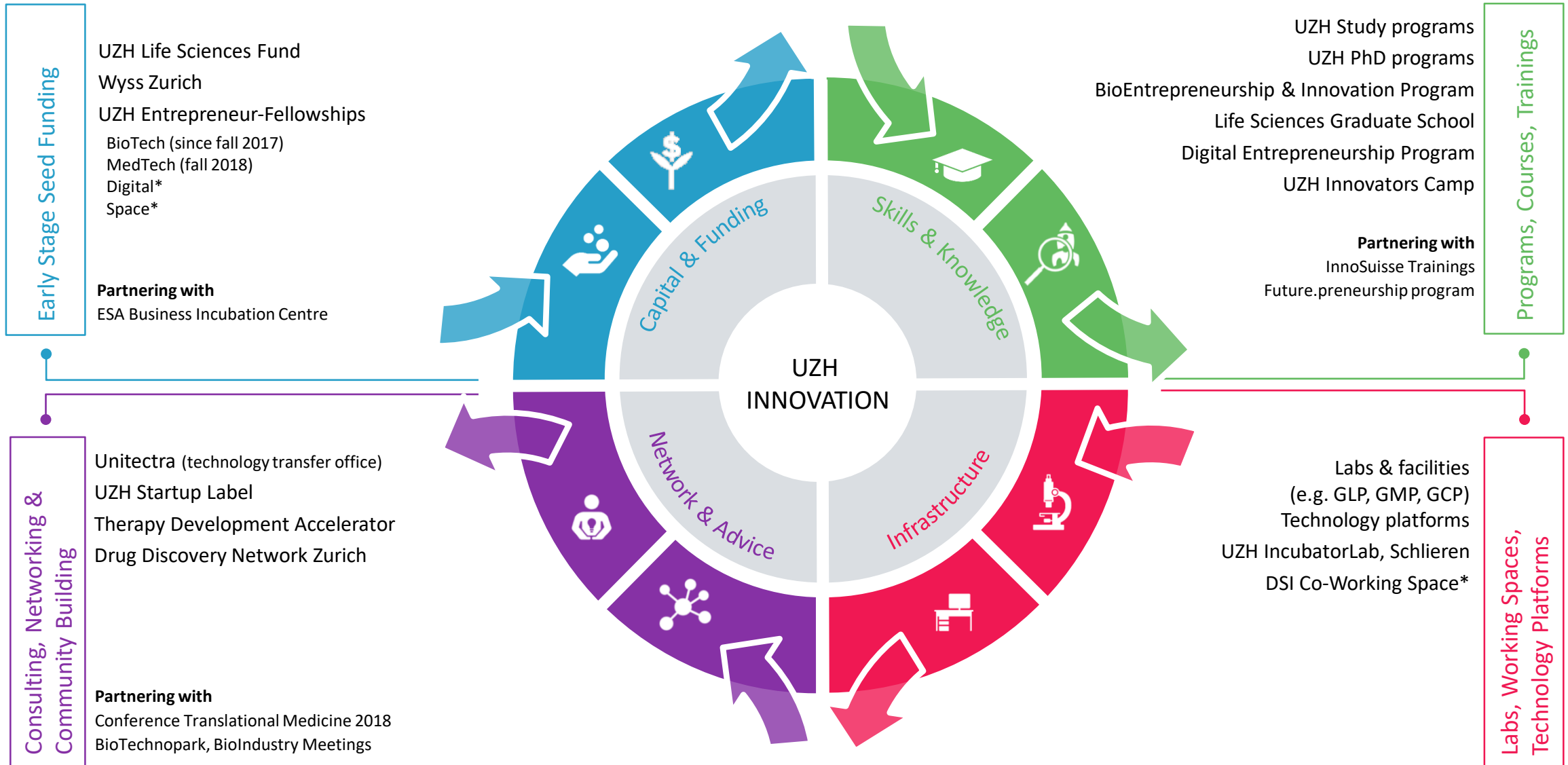
Infrastructure

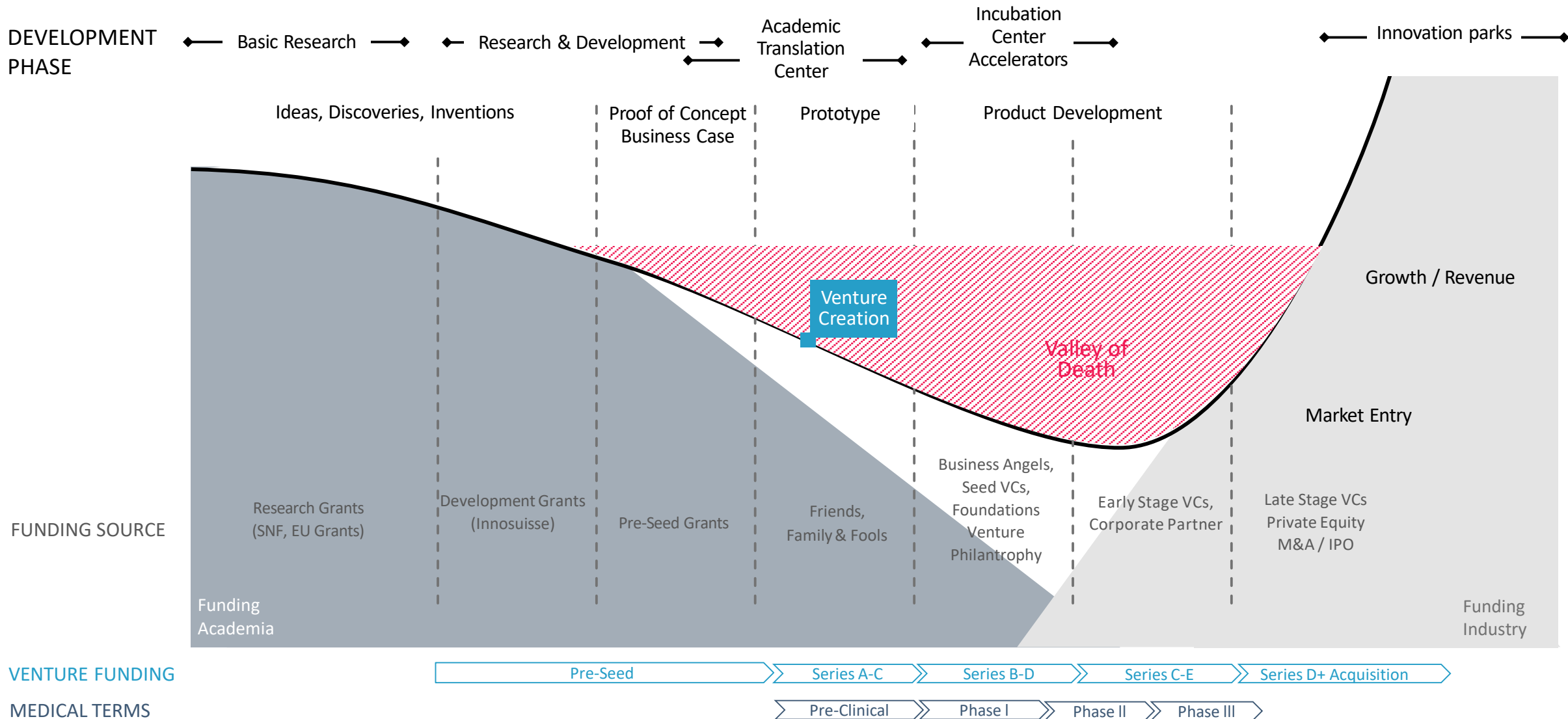
Network & Advice

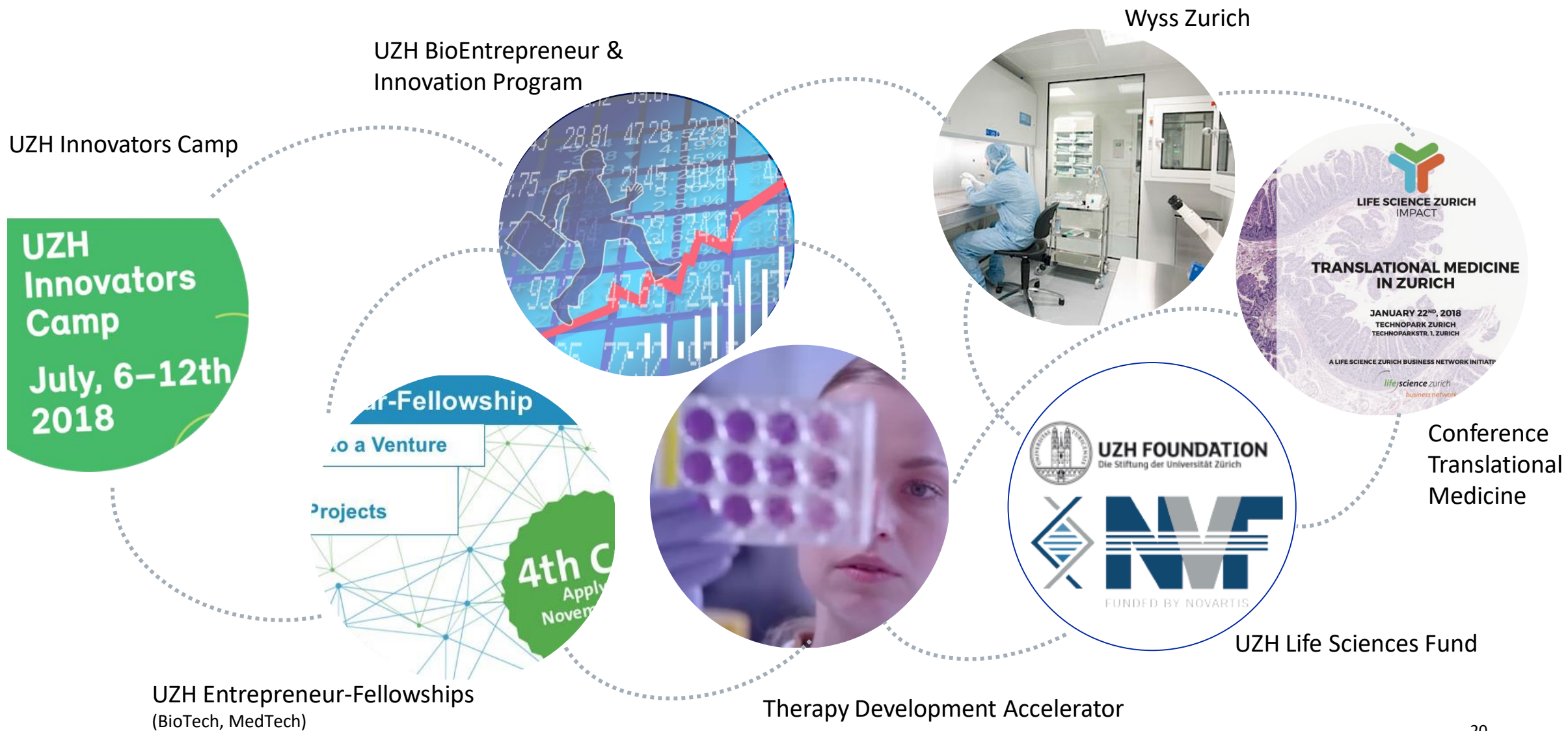
Capital & Funding













For entrepreneurial students and researchers from interdisciplinary fields mentored by experienced startup founders and experts

Networks – explore the social ecosystem

Coaching – work with mentors and experts to boost your idea

Funding – winning team receives seed funding

Acceleration – learn how to move forward with your venture

Inspiration – meet entrepreneurs

Partnering across UZH faculties with annual focus topics

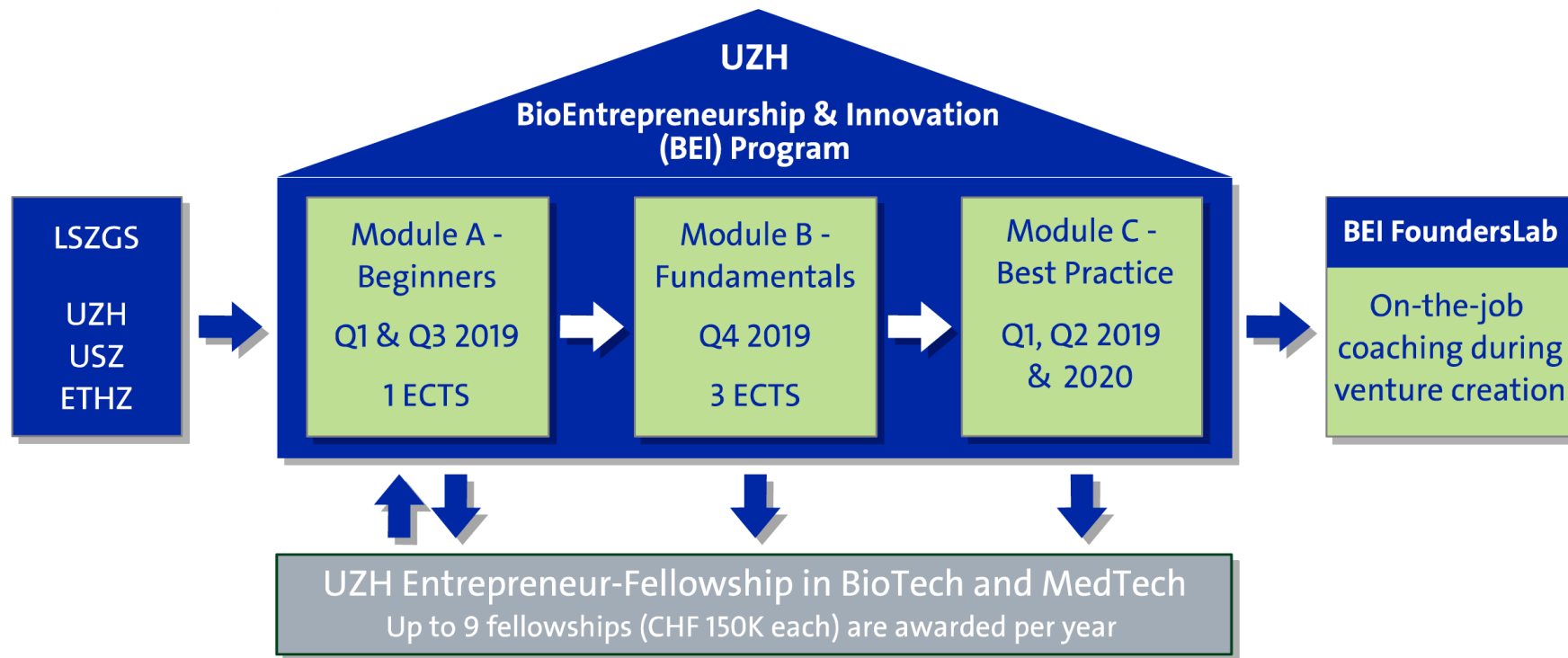
2018: BioTech (Institute for Regenerative Medicine)

2019: Social Innovation (Center for Child Wellbeing & Development)

Partnering across universities:

ETH Zurich

ZHdK (Zurich University of the Arts)



UZH Innovators Camp 2018
UZH IncubatorLab since 2019

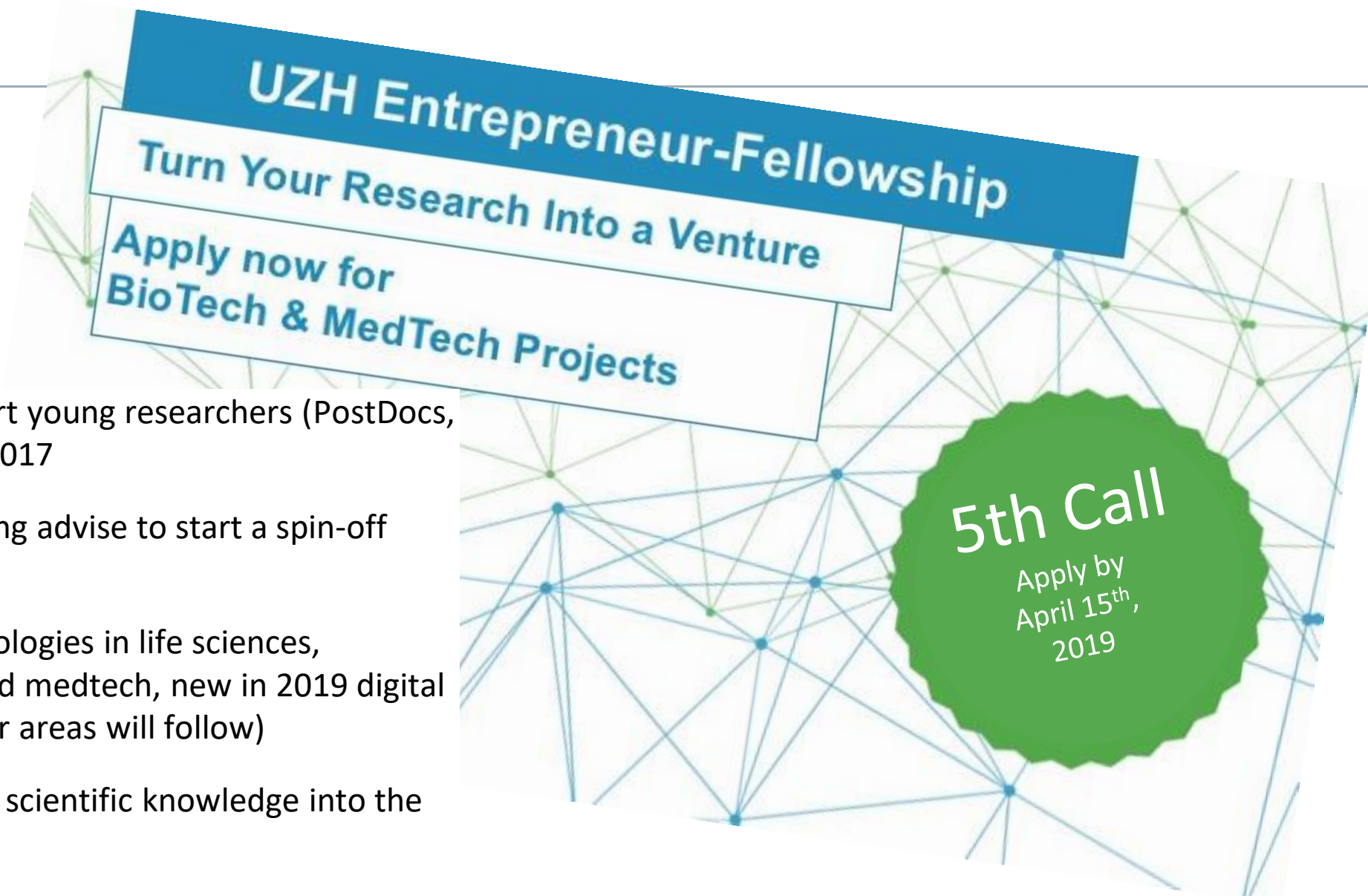
Master of Science in
BioEntrepreneurship &
Innovation
2020 onwards

BSc / MSc

PhD / Postdoc

Postdoc





Fellowship to support young researchers (PostDocs, PhDs), launched in 2017

Funding and providing advise to start a spin-off company

Focus on UZH technologies in life sciences, including biotech and medtech, new in 2019 digital technologies (further areas will follow)

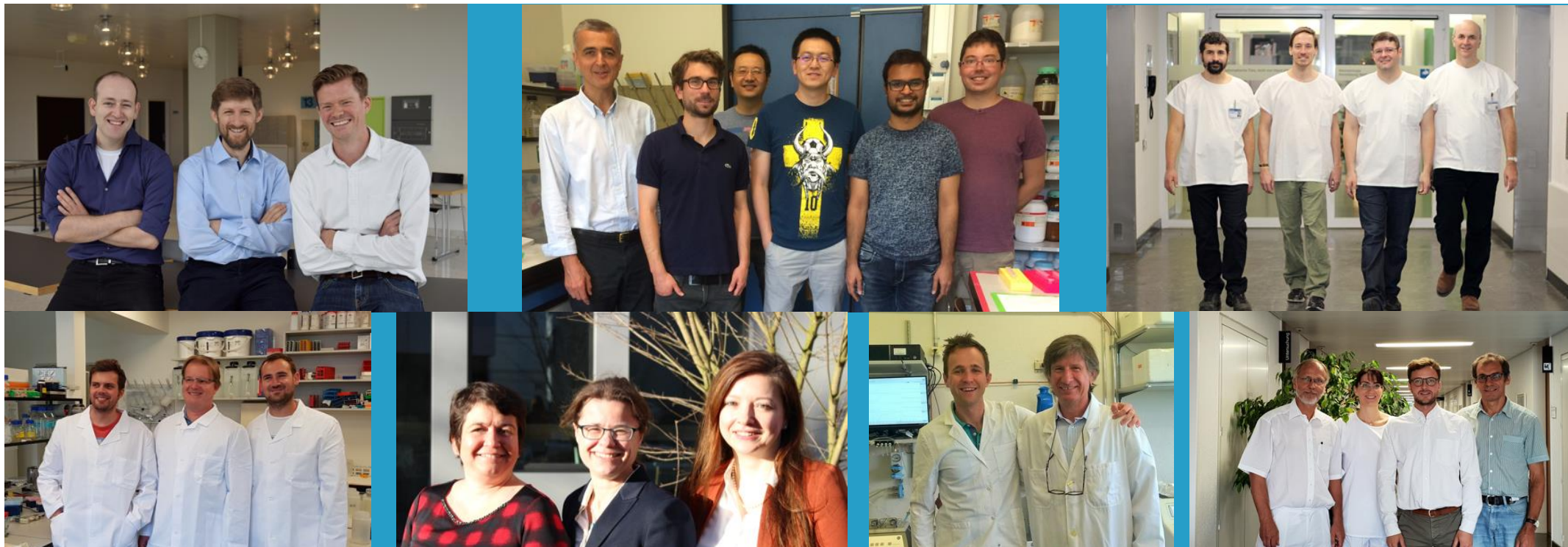
Target to transfer of scientific knowledge into the market



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SUCCESS STORIES

UZH Entrepreneur Fellowships



Commercialise research carried
out at UZH



Become part of an innovative
community at UZH



Receive 150k CHF in funding
for 18 months



Receive business advice



Field of focus

- **Regenerative Medicine**
- **Robotics**
- **“Bionic Technologies”**

Method

- Combining expertise of **ETH Zurich / UZH** talent pool
- **Multidisciplinary teams**

Impact

- **Clinical therapies** for patients...
- **Breakthrough innovations** for society...
...made more **rapidly** available

Outcome

- **Commercialization**
- **Clinical application**

...through spin-offs,
out-licensing deals
and trade sales





**Funding for
personnel
expenses &
translational R&D**

**Access to
technology
platforms &
infrastructure**



Wyss Zurich
Translating
Science into Life



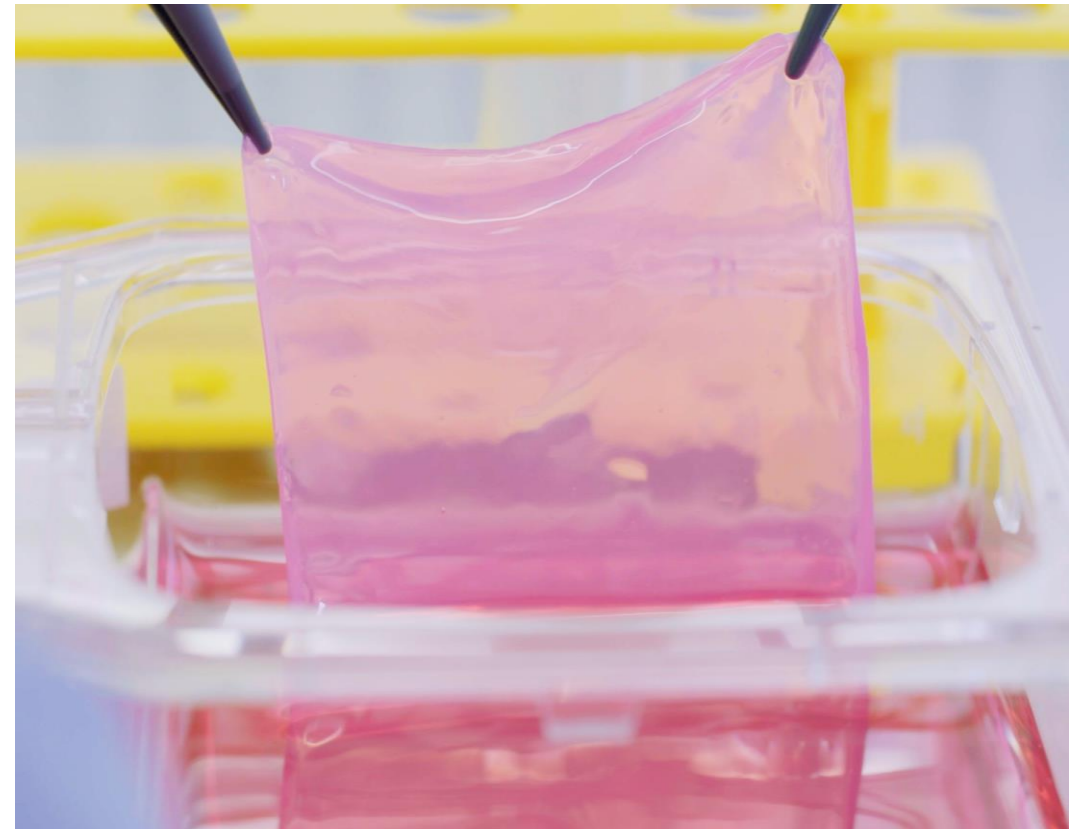
**Funding for
early-phase
clinical trials**

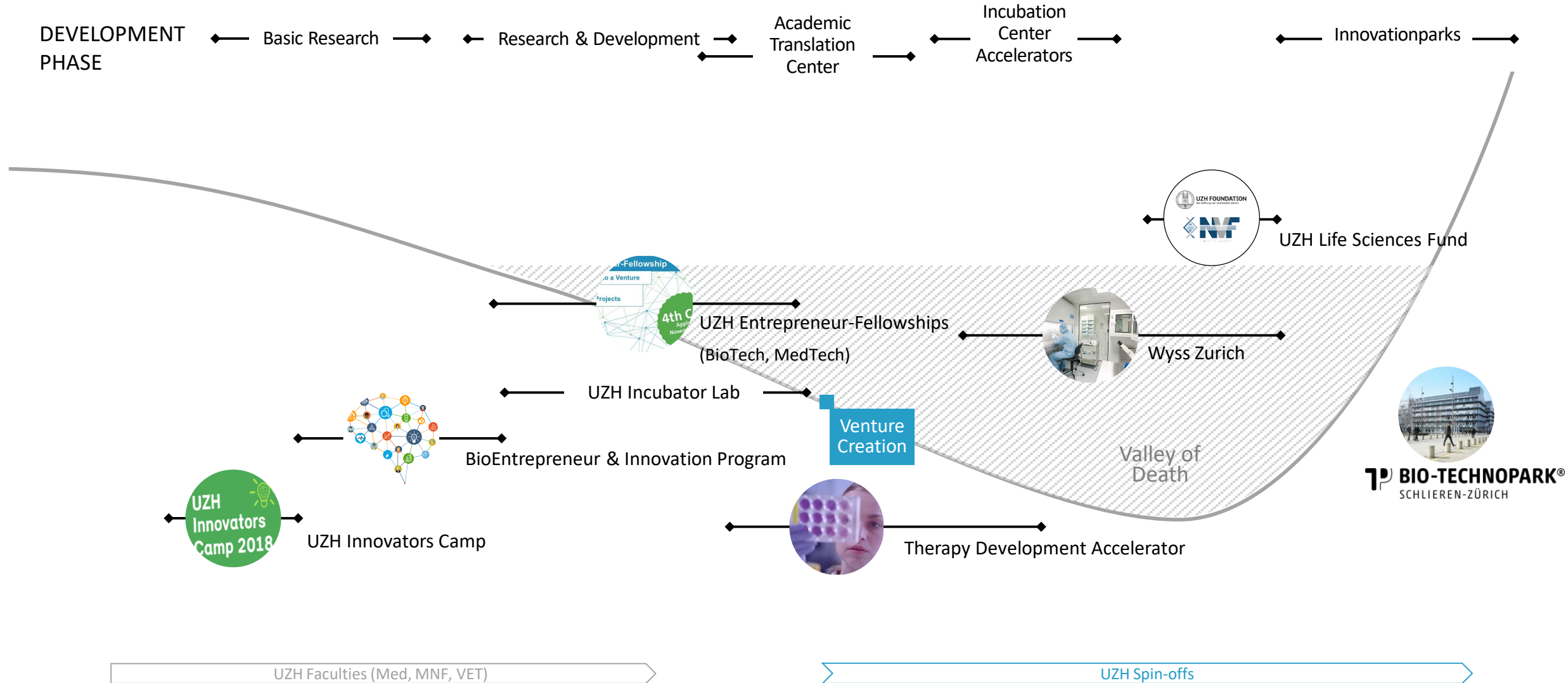
**Coaching &
mentoring by
subject-matter
experts**





- Joint venture of the UZH Foundation and the Novartis Venture Fund
- Objective: Seed investments in UZH spin-offs, with the goal to accelerate growth of the company.
- 2017: First investment in the UZH spin-out CUTISS.
- 2018: Investments in Anaveon and ImmunOs Therapeutics.







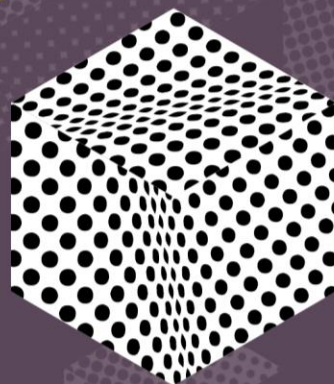
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New Initiatives



Digitalization

Digital Entre- preneur- ship



Shape the future of
digital transformation!

Seminars open for
UZH students &
young researchers

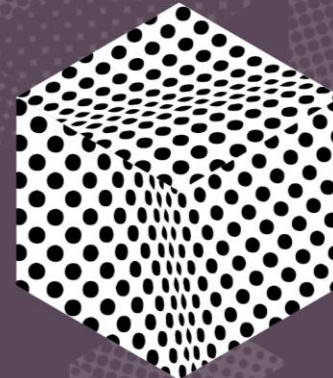
uzhdigital.ch



Digital Entre- preneur- ship

UZH Entrepreneur Fellowships
for DigitalTech Projects

New in 2019





The UZH Innovation Hub

Stimulates interdisciplinary collaboration

Fosters innovation & entrepreneurship activities

Supports researchers and students by
Action Areas (programs, tools, services)

Forms Strategic Theme Clusters
across UZH faculties

Space & Aviation

Biomedicine & Life Sciences

Digitalization

Social Entrepreneurship



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A complex network diagram with a central cluster of black nodes. Numerous lines radiate from this center to various peripheral nodes, which are represented by colored circles in blue, green, purple, red, and pink. The lines are thin and colored in shades of blue, green, and pink, creating a starburst or web-like pattern.

UZH Innovation Hub Let's Bring Innovation to Life

www.innovation.uzh.ch