
”THE SCIENTIFIC CONVERSATION STARTER”

– How Openness Can Pave the Way for Innovation in Drug
Discovery

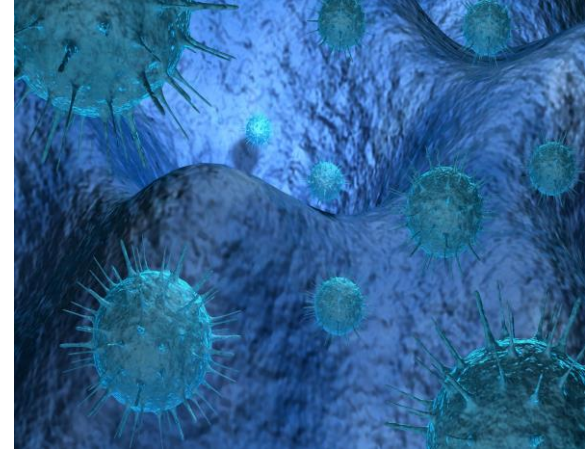
AARHUS UNIVERSITY

- The second largest university in Denmark
- 8.000 employees, 38.000 students
- Research, education and collaboration
- Will use the **open** model within many research areas



WHY DO IT?

- To break down “silo-thinking” that prevents progress
- To accelerate discovery through collective problem-solving
- To better transfer of “tacit” knowledge
- To increase impact of public research
- To build strong industrial partnerships on informal interaction

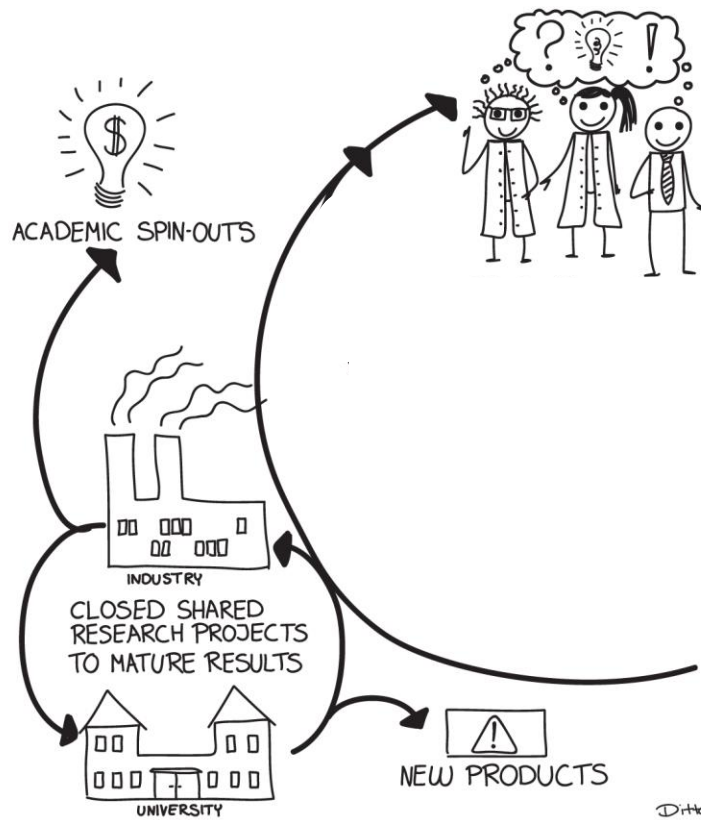


Open Discovery Innovation Network

- **Scientific foci:** "Biomarkers" and "Target Validation"
- **Pilot project:** 2020-2023.
- **Budget:** 54,5 M DKK from the Novo Nordisk Foundation
- **Participants:**
Aarhus University
Pharma and biotech companies of all sizes.
(No membership fee).



+ IPR

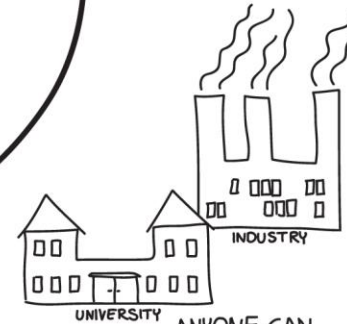


IDEAS ARE TRANSLATED
INTO BASIC RESEARCH

No IPR

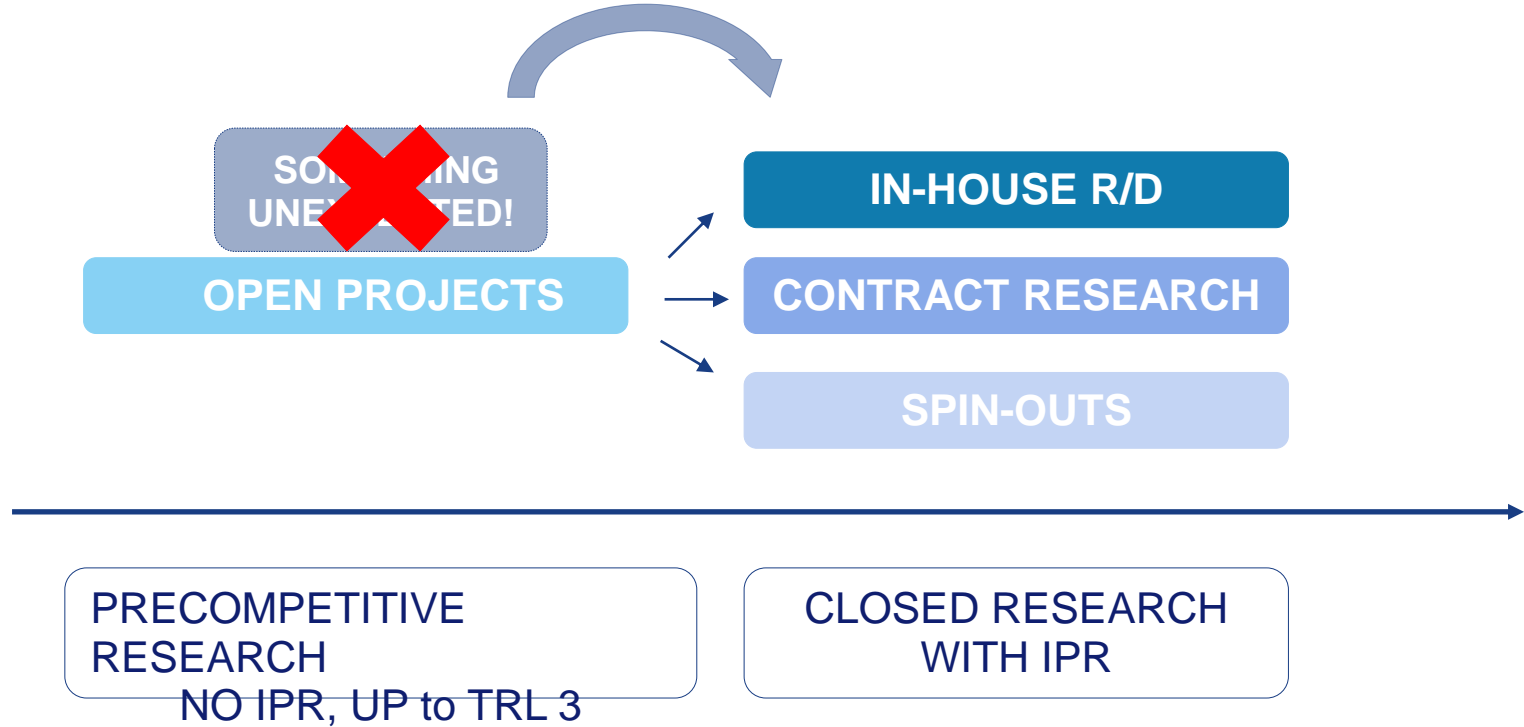


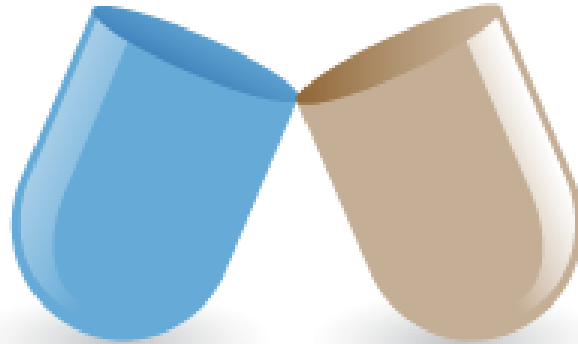
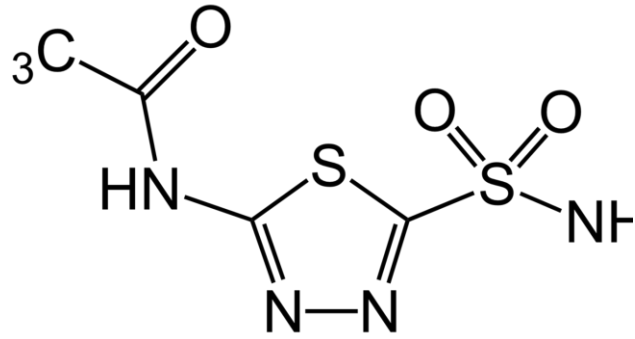
DATA SHARED
OPENLY



ANYONE CAN
USE AND REUSE
DATA FOR R&D

Ditte Høyer Engholm



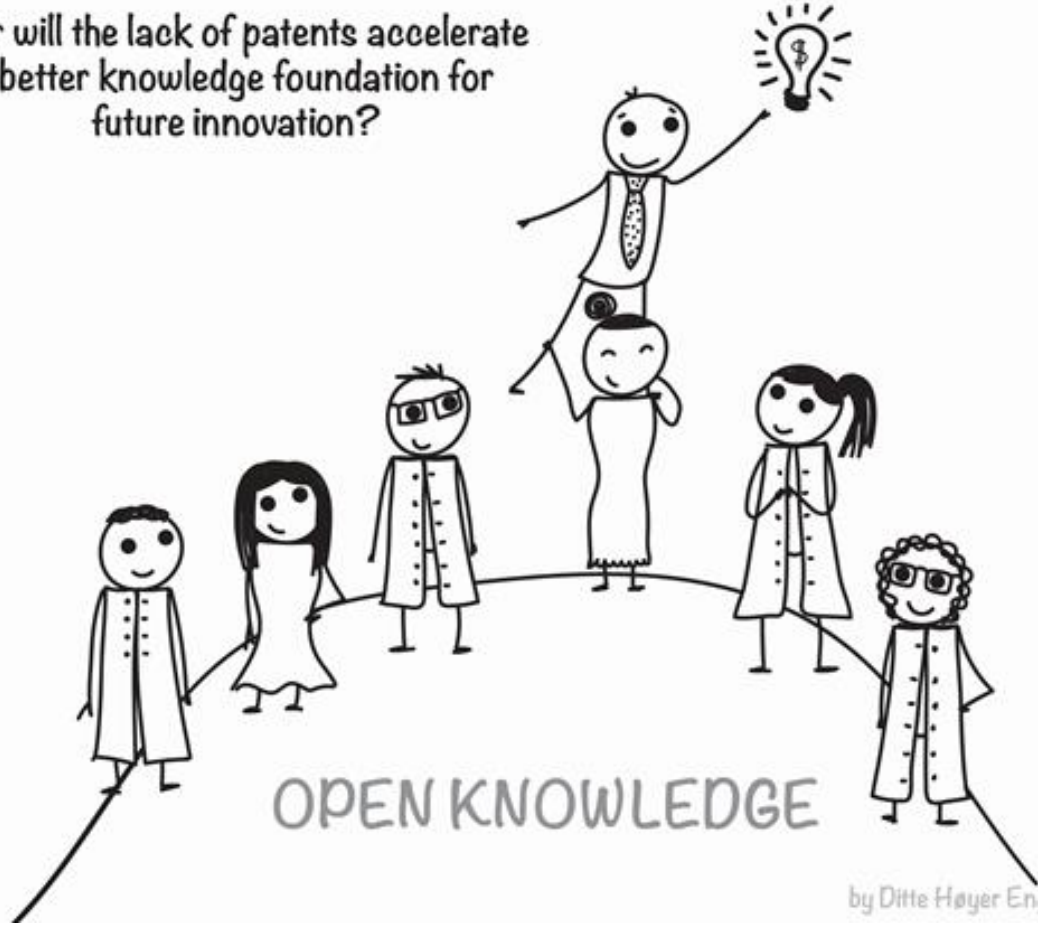


BALANCING OPEN & PROPRIETARY MODELS

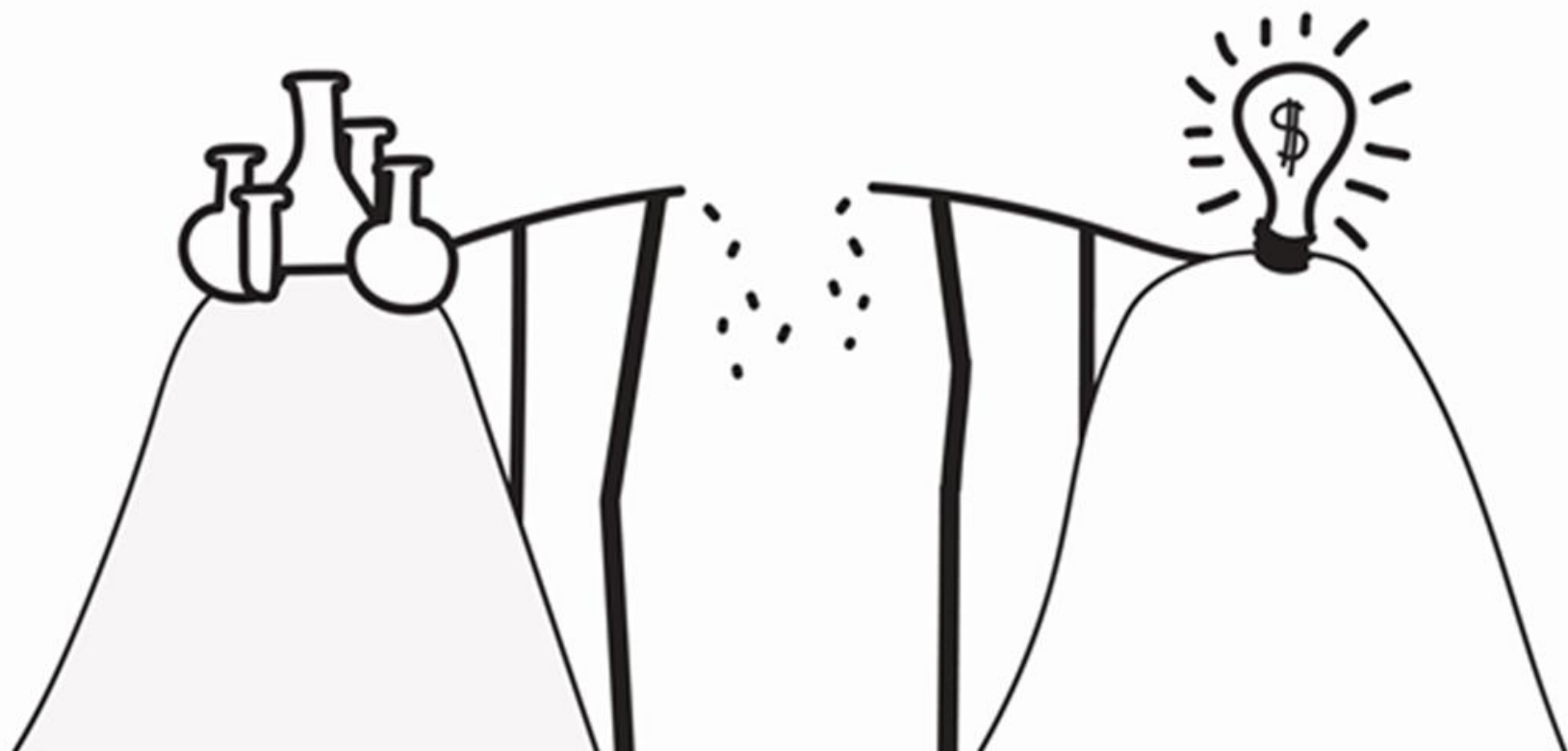


by Ditte Høyer Engholm / ODIN

... or will the lack of patents accelerate a better knowledge foundation for future innovation?



by Ditte Høyer Engholm / ODIN



Not all research is suited for openness

- However, "open vs closed" seems to be a self-regulating mechanism...
- Typical output: biomarkers, targets analytical/research tools, biobanks, improved understanding of disease etc.



TRUST AND CULTURAL CHANGE

We offer:

- Handheld facilitation
- A curated process to open minds, projects & problems
- An agile, voluntary set-up with low entry level barriers.
- ...with clear incentives for joiners.
- A scientific conversation starter....and trust!

We try to:

- “Pause competition”



Results so far...

Call round 1:

- 40+ companies involved (goal 15)
- 80+ Pis involved (goal 30)
- A co-created legal frame
- 5 projects started

But more importantly:

The culture is changing!

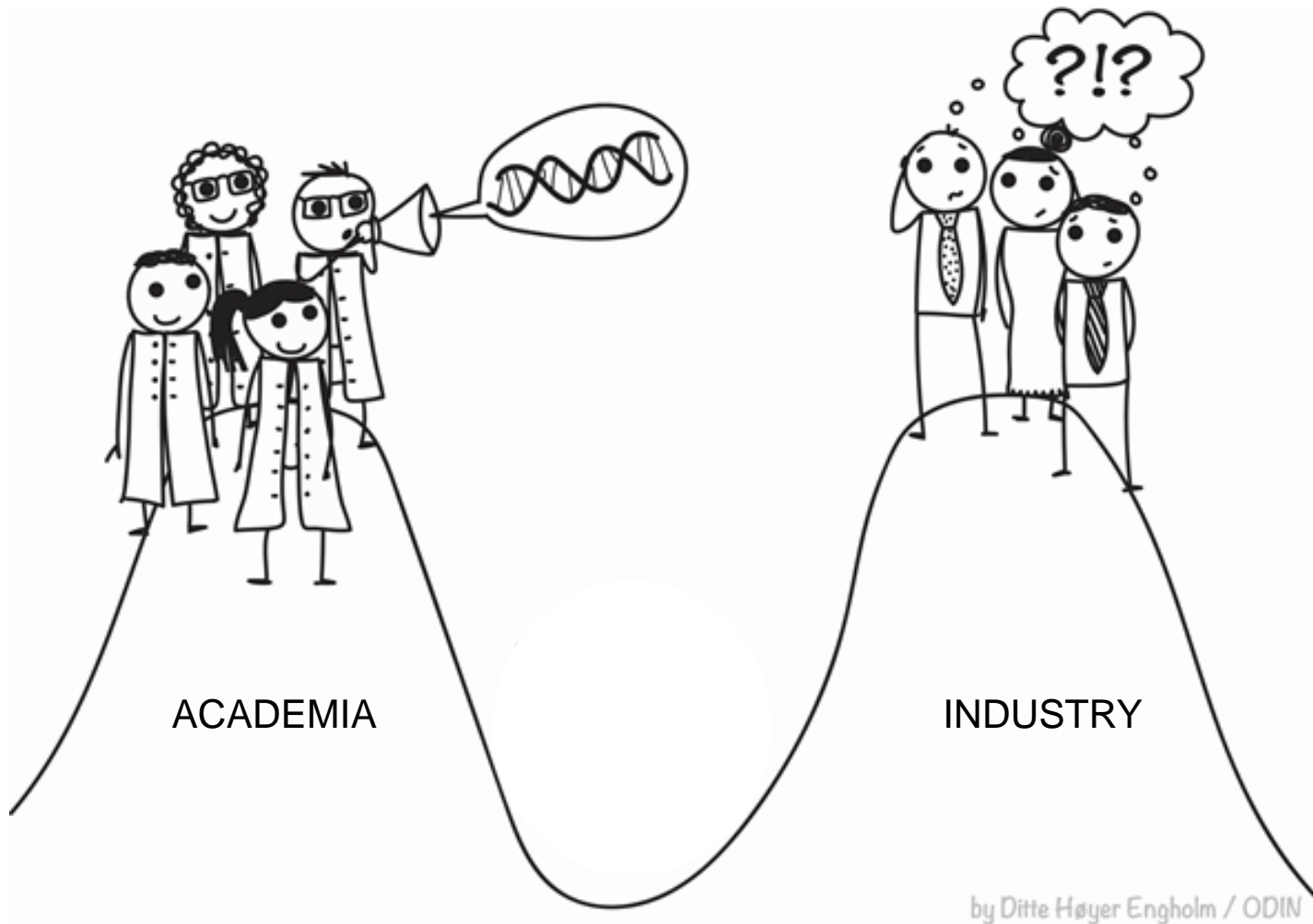


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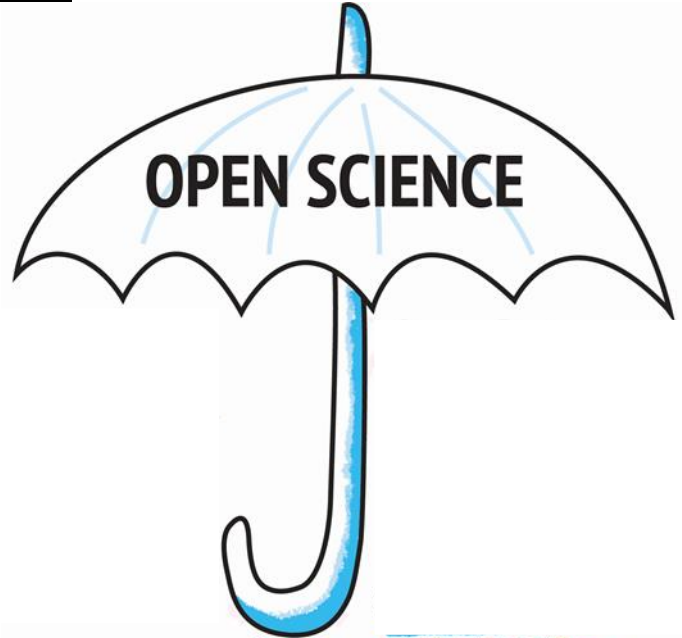
Thank you!

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OPEN WHAT?

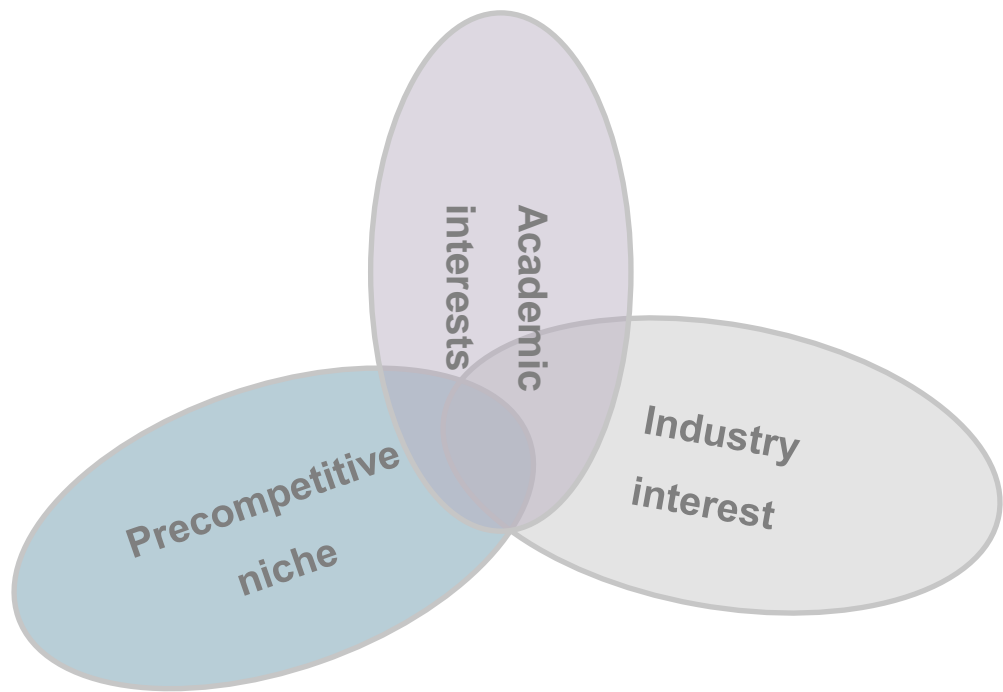


OPEN
INNOVATION

A SET-UP FOR CHANGE

- University based
- No member-ship fee
- We aim for fast initiation of projects
- No fixed long-term research program
- Bottom-up creation of projects
- Real collaborations
-
- Seems to motivate our researchers – even though they have many other tasks.
- Builds the right culture
- ...but it also leads to a scattered output profile





OPENNESS IN THE FACE OF PUBLIC EMERGENCIES?

- We **don't** file for patents for the sake of patents or revenue for the university.
- We should only do it, when it is absolutely **necessary** to help a technology reach the market – and make a difference!
 - But if we open everything, will the solutions ever reach those in need?

