



Pioneering Perspectives: Twente as a Hub for Transitioning to Animal- Free Innovation

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Young TPI: accelerate the transition

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What is Young TPI ?

- Established in 2022
- Spin-Off from TPI programme
- Network for and by young professionals in the life sciences

Young TPI empowers the new scientific generation to go animal-testing-free



MISSION YOUNG TPI

Contribute to the acceleration of the transition to innovations without laboratory animals by providing **open-minded input** and **raising awareness** of animal-free options among young professionals and students.

Core Values: Respect, Justice, Courage

WHAT WE DO

Workshops and educational activities

- Workshops
- Webinars
- Guest lectures

Building a strong community

- Community empowerment
- Learn & share
- Make a contribution

Promote interdisciplinarity

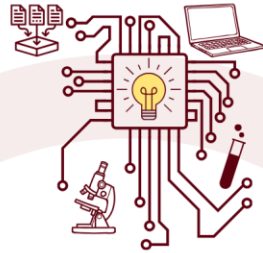
- Cooperation across fields
- Within academia
- Industry & Policy

MANIFESTO YOUNG TPI

- **Technologies:** Promoting and validating methods that replace animal testing.
- **Transition Science:** Guiding the transition by addressing both technical and social challenges.
- **Policy:** Push for animal-free research regulations.
- **Education:** Offering resources to help educational institutions and our members.
- **Interdisciplinarity:** Encouraging collaborations across fields to foster innovation.
- **The Bigger Picture:** Raising awareness about the ethical, societal, and environmental implications of animal testing.



Technologies



Transition Science



The Bigger Picture



Interdisciplinarity



Policy Approach



Education



Young TPI (Transitie Proefdierenvrije Innovatie)

Listed group



New voices in animal-free science



Introduction to (systematic) reviews



Young TPI Webinar, February 24th 2023
Fatima Zohra Abarkan & Julia Menon



Tegengaan van dierenleed is de taak van ons beleid

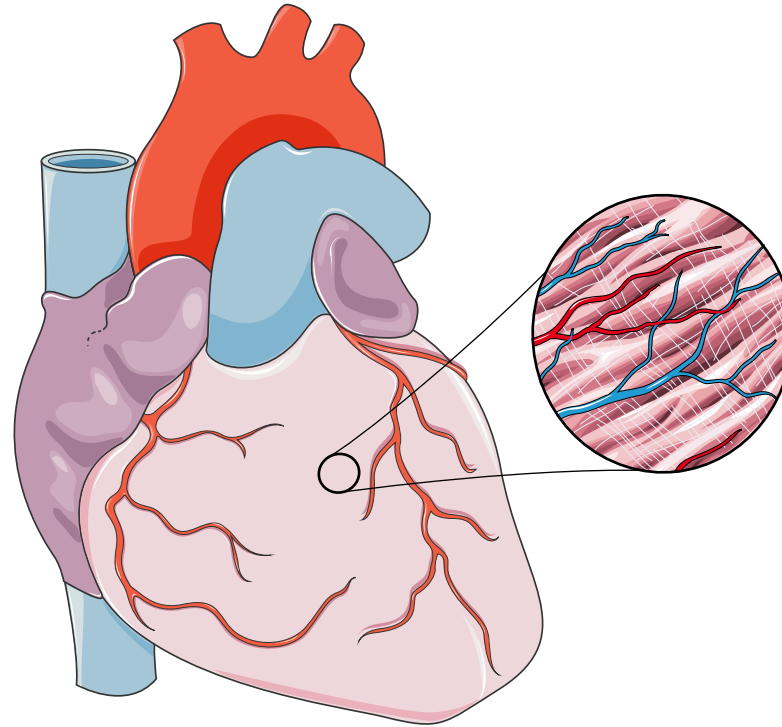


DMT

EURODCS

Young TPI

Accelerate the transition



***In vitro* model of adult human cardiac tissue**

- Cardiac disease modeling
- Drug testing
- Cell therapy

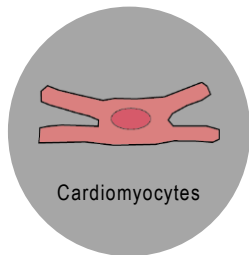
Young TPI

Accelerate the transition

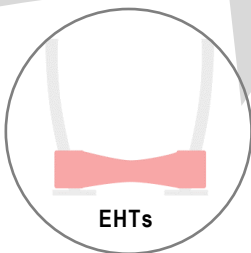


3D Model

Mature

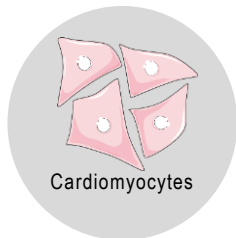


Cardiomyocytes

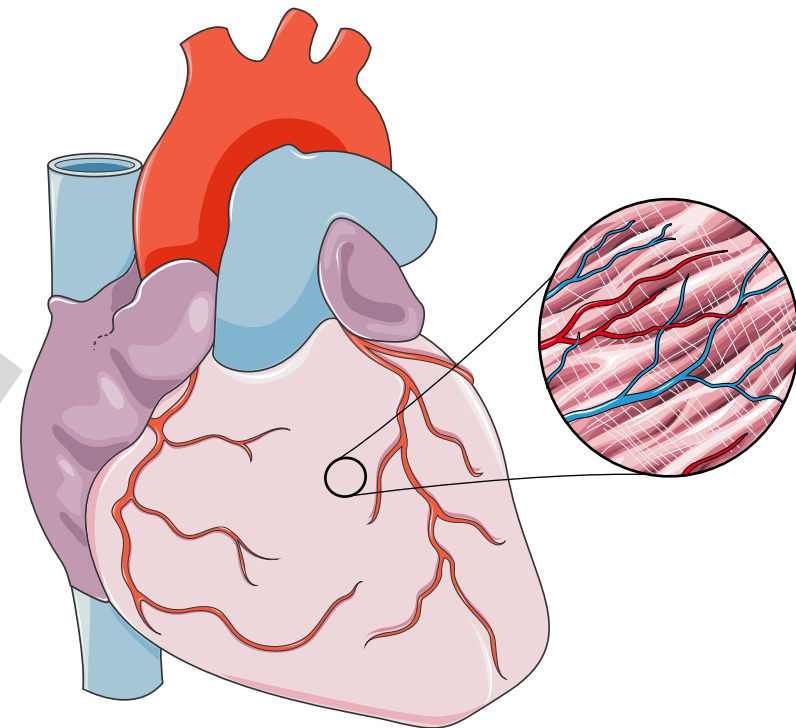


EHTs

Immature



Cardiomyocytes



***In vitro* model of adult human cardiac tissue**

- Cardiac disease modeling
- Drug testing
- Cell therapy

Young TPI

Accelerate the transition



3

Mature

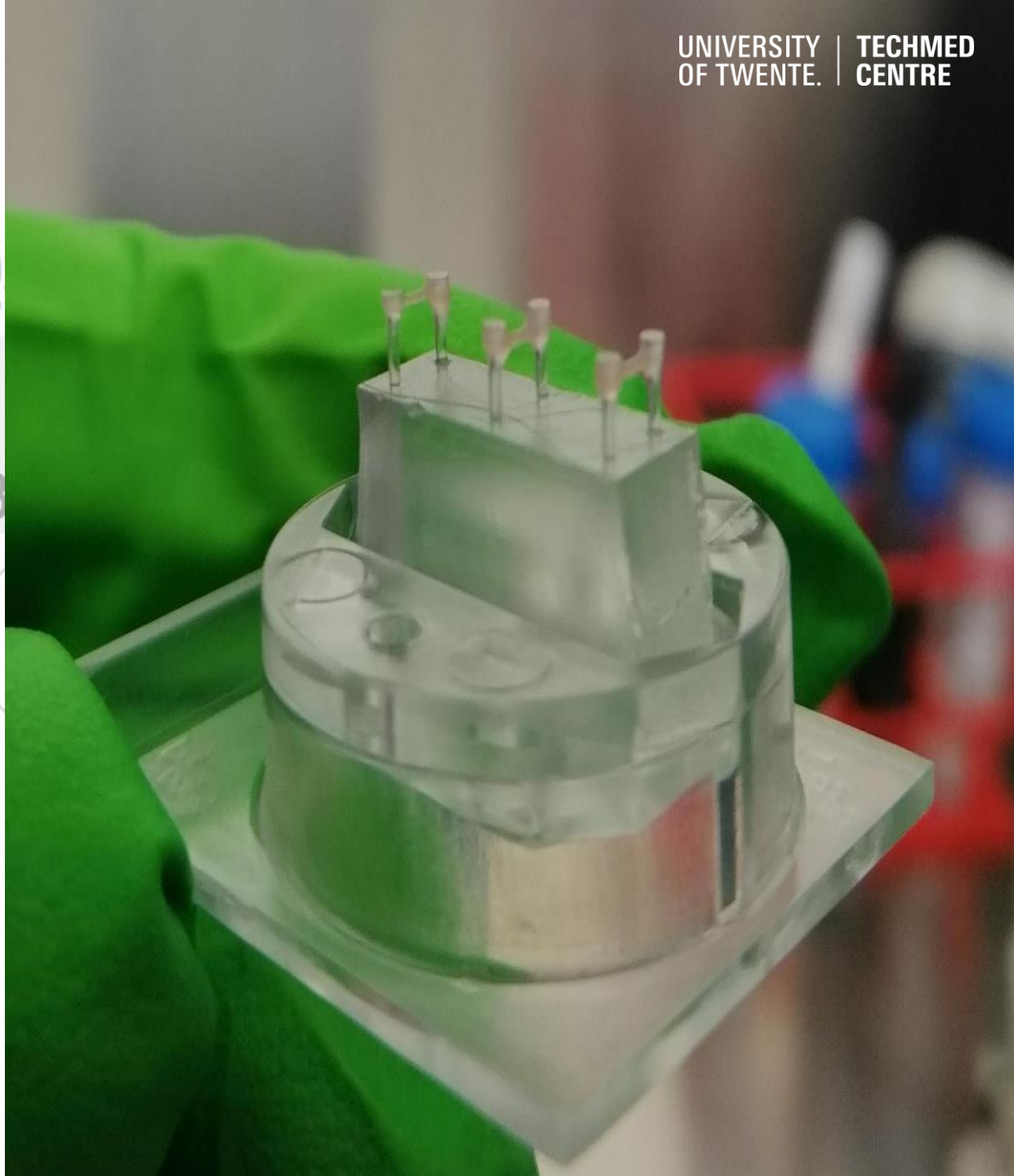


Cardiomyocytes

Immature



Cardiomyocytes



TPI TWENTE

Transition Programme to Animal-free Innovations

- Ethical responsibility
- Scientific need to resemble as possible human physiology

Why TPI Twente?

- We have the technology in-house to make the differences.
- Research groups and UT's spin-offs are working on addressing these challenges.
- There is a strong ecosystem between the UT and companies in Twente.



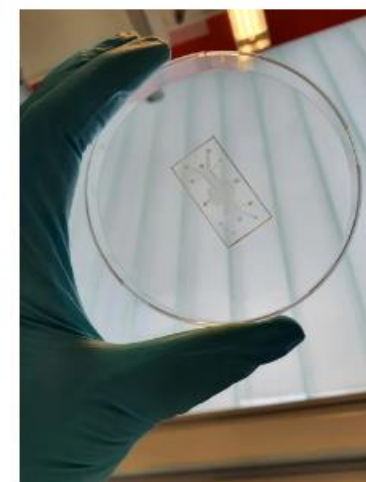
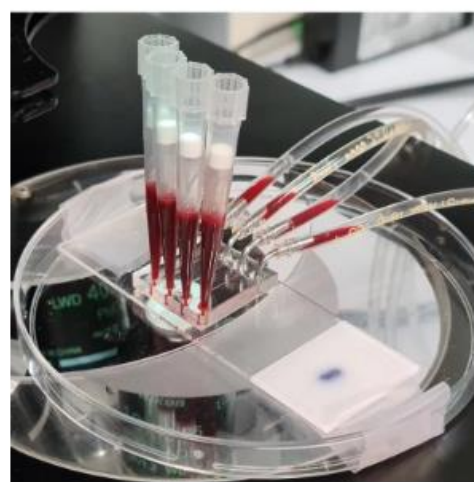
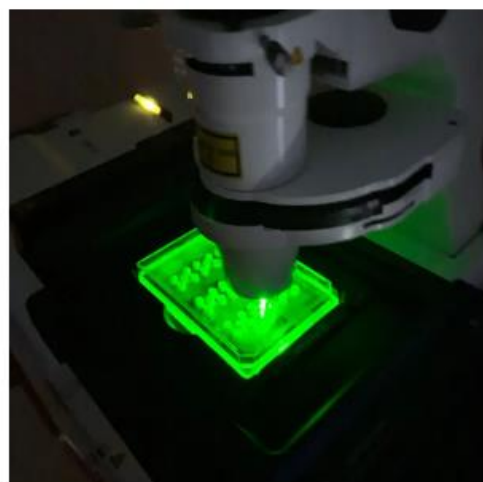
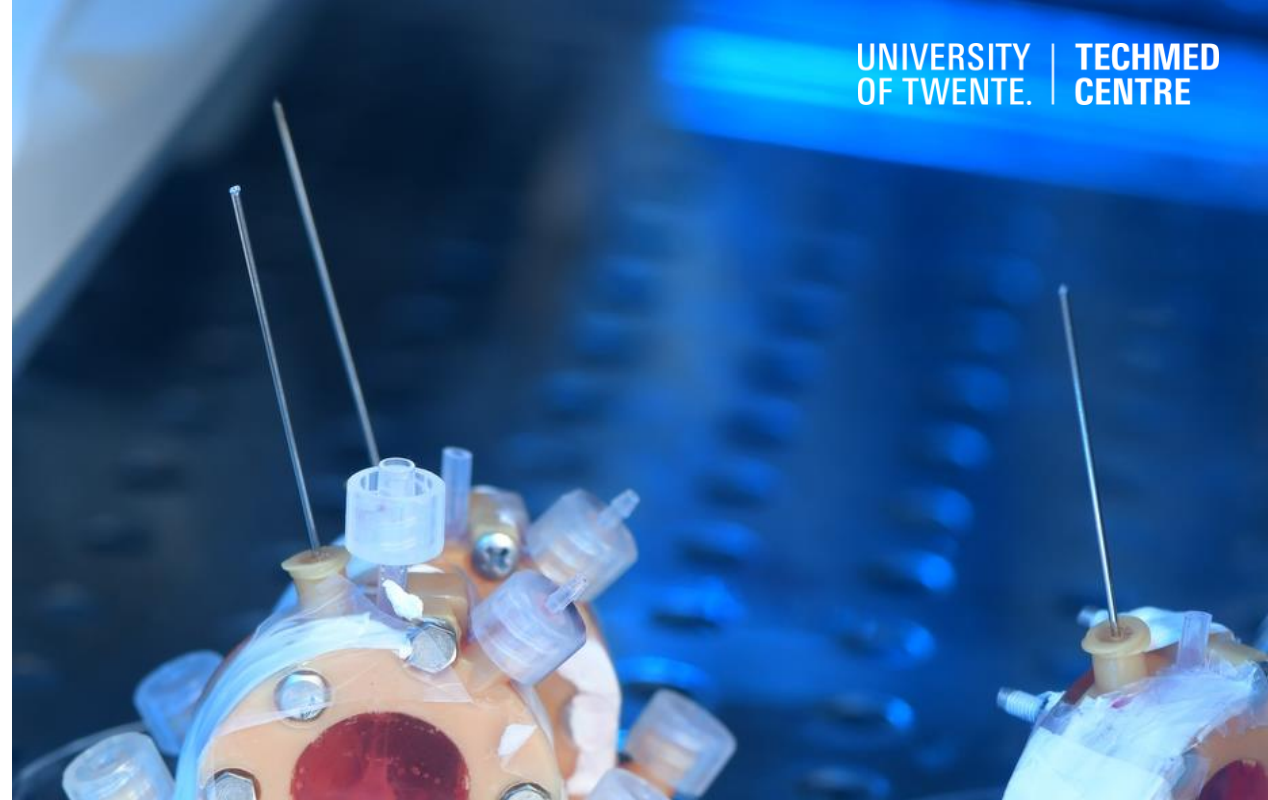
TPI TWENTE

Transition Programme to Animal-free Innovations

What is missing?

Create awareness of the animal-free innovations in Twente

Engage with a broader public and society



TPI TWENTE

Transition Programme to Animal-free Innovations

Do you want to play a pivotal role in this transition to animal-free innovations?

We are looking for you, come and join us!

- Student
- Researcher
- Professor
- Company

For more information:

j.m.riveraarbelaez@utwente.nl



THE TECHMED EVENT

BRIDGING PAST AND FUTURE: FIVE YEARS
OF MEDTECH ADVANCEMENTS AND BEYOND

