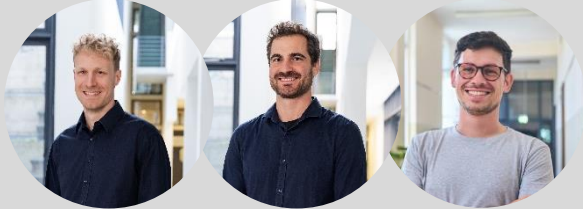
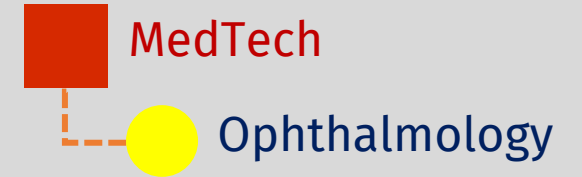


Puringe: Pure syringe system for contamination-free storage, transport and injection of therapeutics



PRINCIPLE INVESTIGATORS:
Felix Hehnen, Dr. Paul Geus, Tim Bierewirtz
Charité



SUMMARY

200 million people are affected by macular degeneration leading to 20 million intravitreal injections per year. Silicone oil is the most prevalent lubricant in syringe systems and can lead to floaters in the eye.

The team is developing Puringe, a syringe system designed to address two major challenges for intravitreal injections: accurate small dosing and contamination-free injections.

The key element of the system is a highly innovative membrane that allows precise dosing and contamination free application.

PROJECT GOALS

- Develop a functional prototype
- Prepare prototypes designed for manufacturing and mass-production

LONG-TERM GOALS

- Develop a first-in-class product
- Get certified and approved for medical use
- Enter the market