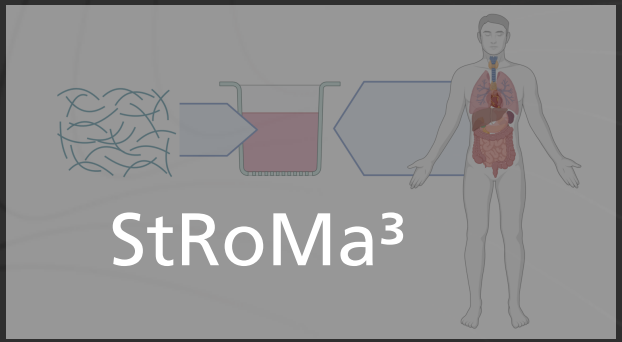

Animal-free 3D binding tissues for human multi-component organ testsystems

The Project

Current tissue models are hardly applicable in animal-free drug development. We produce fibrous synthetic 3D tissues, which mimic the fundamental structure of human tissues. Paired with a high porosity, the structure allows a complete infiltration with various human cell types, transforming the synthetic based structure to human based and functional organ equivalents. The application of our synthetic binding tissue improves reproducibility, standardizability and new possibilities in drug testing and clinical translation. These unique scaffolds target the whole market of scaffold-based 3D cell culture, applied in the industrial segments of pharmaceutical development, cosmetics, biotechnology and all related academic facilities.

The Team

Location: Fraunhofer ISC in Würzburg

Members: Tobias Weigel (Project leader, CEO), Maximiliane Wußmann (Project leader COO), Christina Fey (Project leader CFO), Bastian Christ (Project leader, Material expert)

AHEAD Infos

Batch: 2 / 2023 **Phase:** 1 **Track:** undecided

AHEAD

The Business Model

Unique Selling Proposition: plattform technology, animal free, high reproducibility

Unfair Advantage: IP, years of experience in application

Revenue Model: production

Venture Readiness Level

VRL | Ideation | Incubation | Traction | Growth

Technology Readiness Level

TRL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

The Side Facts

Customer Focus: B2C and B2B

Searching For: Customers, expert interview partner, mentors, If neccessary co-funders and investors

Industry Tags: Health care

Technology Tags: bioengineering