



2. ryon-Rhine-Main-Universities

Summer School

From Idea to Start-up

Picture by Freepik

What: Biomaterials

When: 7th – 11th October 2024

Where: Darmstadt, Wiesbaden & Gernsheim

Who: You are a young scientist (Master, PhD student or Post Doc) with a background in Molecular biology, Biochemistry, Synthetic biology, Material sciences, Engineered Living Materials, Bioprinting or Biomolecular engineering.

The summer school will bring together scientists with the aim to generate business ideas in the domain of Biomaterials. The number of seats is limited to 50 persons. The working language will be English.

About the program

A biomaterial is any matter, surface, or construct that interacts with biological systems. First generation biomaterials are naturally available, for example hair, catgut or wood. Technological advances produced second generation biomaterials, which include polymers and laboratory engineered materials that can be beneficially bioactive like silicone, metal alloys, or synthetic polymers such as polyglycolic acid (PGA). Biomaterials are used in medicine and in the meanwhile in all aspects of human life from nutrition using beer pomace or clean or biotechnologically produced meat, fungi as insulating material for houses and the applications are growing rapidly.

Biomaterials are part of the University Excellence Cluster CoM2Life which focuses on “deep technology push” concepts to empower biomaterials research with the cutting-edge technologies of tomorrow. These advancements are expected to drive breakthroughs in medical research and personalized healthcare in the coming decades. Examples include feedback-regulated drug delivery devices for homeostatic regulation, tissue models that can replace animal testing, metabolic regulation systems for tumor immunotherapy, tissue repair, and the engineering of artificial organs.

And these are the strong partners in our RMU network working within CoM2Life:



Project participants



- Day 1 : Idea stimulation workshop, Scientific talks, Get to know dinner
- Day 2 : Scientific and Industry talks, Idea stimulation workshop
- Day 3 : Business plan development and coaching Part 1
- Day 4 : Business plan development and coaching Part 2
- Day 5 : Pitch and ryon-founders Award Ceremony

The program is supported by Goethe Universität Frankfurt, Technische Universität Darmstadt and Gutenberg Universität Mainz and the technology transfer units Highest, Innovectis and TQ.

The winner will get an award that supports the realization of the best Business Idea in Biomaterials! All participants will receive a certificate.

Disclaimer: If you would like to claim your idea as owner before the summer school starts, please send the idea beforehand to the indicated contact to assure that the idea is attributed to you and any additionally generated ideas resulting in IP are joint rights and maybe used by all team members that contributed to the idea. You want to learn more about the 2. ryon-Rhein-Main Universities Summer School or register? Applicants are requested to send a CV, motivation letter (max. 1 page) and optionally a summary of a Biomaterials project (max. 1 page) that the applicant wants to work on during the summer school. Applicants that want to define a project during the summer school or want to join a proposed project do not have to provide the project summary. More detailed information will be provided soon.

Registration at application@ryon.de



GreenTech Cluster Rhein-Main-Neckar gefördert durch das Land Hessen



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