upPE-T

Agro2Circular

H2020-NMBP-TR-IND-2020-twostage
RIA
GRANT AGREEMENT: 953214

Institute of Biologically Inspired Materials (BIMat)
Department of Bionanosciences (DBNS)

Master thesis (6 months)

Breaking Ground in Sustainable Food Packaging: Utilizing Biodegradable and Biobased Bacterial Cellulose (Kombucha) to Engineer Innovative Next-Generation Materials

Building a Better Future: Join the Movement to Create a Circular, Biobased, and Biodegradable Economy and Tackle Plastic Waste Together.

Your job:

* Production and optimisation of bacterial cellulose grafted with a range of biogegradable polymers
* Measurement of oxygen and water barrier properties using a method developed in-house.
* Optimisation of the barrier properties through the use of a range of super-innovative natural polymers/materials.

Your profile:

* **studies:** Ready to start a master thesis (full time),
* **cooperative:** Highly interested in beeing part of a crossfunctional and international project
* **independent:** Develope own ideas/ solve problems and find innovative solutions

Interested?

https://boku.ac.at/nano/bimat
ronald.zirbs(at)boku.ac.at

We offer:

* Be part of making our society more sustainable and reduce plastic waste
* **international team,** close **supervision & vibrant** student life
* **interdisciplinary** team with strong collaborations acros disciplines
* complete **infrastructure**, up-to date analytics (incl TEM, SEM, TGA)
* working as part of **EU wide developement project**