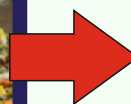


## Master thesis (6 months)

# 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 biodegradable 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 being part of a crossfunctional and international project
- \* **independent:** Develop own ideas/ solve problems and find innovative solutions

### 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 across disciplines
- \* complete **infrastructure**, up-to date analytics (incl TEM, SEM, TGA)
- \* working as part of **EU wide development project**

**Interested?**

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