

*Think the incredible - realize the impossible - inspire the students!*

# *Bachelor Bazaar*

Choose your Bachelor Thesis in the Obermeyer Lab from the following examples.

## **Biophysics:**

- Optical electrophysiology with membrane potential-sensitive fluorescent dyes
- Impedance spectroscopy of single algal cells
- Functional fluorescence labelling of cell components

## **Green Bioengineering:**

- Decellularized plants: generating cellulose scaffolds for 3D cell cultures
- Single exine capsules (SECs) from pollen grains as micro carriers for drug delivery
- Antimicrobial properties of sporopollenin
- Fabrication of new bioinks for 3D-bioprinting

## **MakerLab:**

- Build your own scientific equipment!
- Auxetic structures: printing of strange geometries

.... and many more!

Detailed information and contact: [gerhard.obermeyer@plus.ac.at](mailto:gerhard.obermeyer@plus.ac.at)

Membrane Biophysics Group

Biosciences, Univ. Salzburg