

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

Bachelor Bazaar

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

Biophysics:

- Making LUV: Fabrication of large unicellular vesicles as nano reaction tubes
- Creating GUVs (giant unicellular vesicles) for patch clamp experiments
- Coating of glass surfaces to immobilize LUVs
- TIRF microscopy of almost single molecules

MolBio/Synthetic Biology:

- Cloning of membrane proteins for cell-free synthesis
- Cell-free synthesis of membrane proteins

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

MakerLab:

- Print your protein: 3D printing of protein structures
- Wired plants: telemonitoring system for plant growth
- Auxetic structures: printing of strange geometries

.... and many more!

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Membrane Biophysics Group

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