

GdR B2i's 2022 plenary days in Dijon – Invited talk on **Wednesday June 29th at 2:00 pm**

<https://b2i-dijon-2022.sciencesconf.org/>

Engineering the interface between living and non-living materials with 3D-printed hydrogels

Prof. Dr. Mark Tibbitt, ETH Zurich (Switzerland)

In this talk, we will describe our group's recent efforts in the macromolecular engineering of hydrogels for 3D bioprinting. This includes efforts to design complex rheological materials that interface with mammalian cells or bacteria for a range of applications. We will discuss recent work in the design of polymer–nanoparticle hydrogels for tissue engineering and Pluronic-based inks for templating photosynthetic algae.

Mark Tibbitt's website: <https://macro.ethz.ch/>