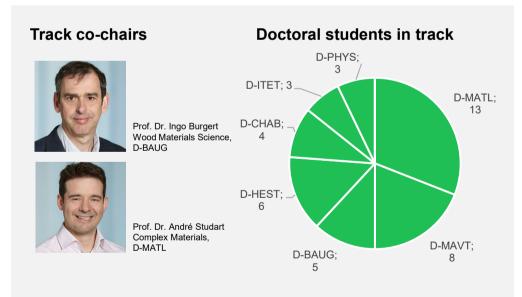


1 Sustainable & Bioinspired Materials

Driving sustainability with living and bioinspired materials

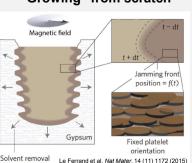
- Living, biological, and bioinspired materials will play a pivotal role in the future bio-economy by addressing resource scarcity and enabling the design of sustainable and efficient materials.
- The field of "Sustainable & Bioinspired Materials" provides indepth knowledge on the processing, structure, and properties of these materials, which are vital for a more sustainable future.
- Core topics range from understanding biological systems and their building blocks, to exploring hierarchical wood structures and bioprocesses.
- Other important areas include biochemical engineering, active and adaptive bioinspired materials, and life cycle assessment to ensure sustainable material development and usage.

2 Organisation and Focus

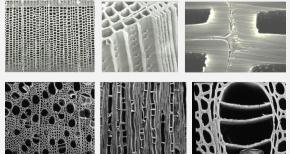


How can we use natural design principles to make sustainable functional materials?

1) Bottom-up assembly: "Growing" from scratch



2) Top-down functionalization Utilizing grown structure

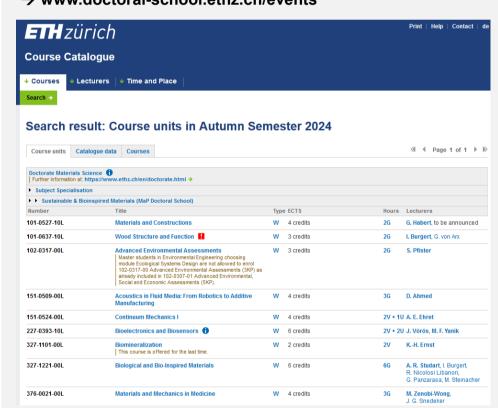


3 Events and Courses

Current and past events

- Sustainable & Bioinspired Materials Seminar Series
- MaP Distinguished Lecture Series "Advanced Engineering with Living Materials"
- ALIVE Symposium

→ www.doctoral-school.ethz.ch/events



4 Impressions











