



**Università
di Brescia**

**Dottorato di Ricerca in Genetica
Molecolare, Biotecnologie e Medicina
Sperimentale**

Seeing the future: hydrogels, tissue engineering, and the eye

Prof. André Schulz
Professor of Biomaterials in Ophthalmology
Rostock University Medical Center, Germany

9 giugno 2026 - ore 13:00-14:00

Aula H Medicina

Host Prof. Silvia Giliani



Dr. André Schulz is Professor of Biomaterials in Ophthalmology at Rostock University Medical Center, where his research focuses on ocular tissue replacement, with a particular emphasis on hydrogel-based therapies. Originally trained as a chemist, he earned his PhD in Molecular and Cellular Biotechnology from Saarland University in 2020. He subsequently worked at the Fraunhofer Institute for Biomedical Engineering before leading a Tissue Engineering group and translational research laboratory at the Department of Ophthalmology, Knappschafts Hospital Saar. Most recently, Dr. Schulz developed a novel hydrogel-based vitreous substitute and successfully advanced its clinical translation. In this seminar, he will discuss the properties of hydrogels, their role in tissue engineering, and their applications in advanced ocular therapies, including vitreous replacement.

The seminar is open to students, PhD students from all schools, and the entire community

**Dipartimento di Medicina
Molecolare e Traslazionale**

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