

Biomedical Optics (SYBO)

jointly organized by
the Quantum Optics and Photonics Division (Q) and
the Molecular Physics Division (MO)

Monika Ritsch-Marte
Medical University of Innsbruck
Müllerstr. 44
A-6020 Innsbruck, Austria
monika.ritsch-marte@i-med.ac.at

Alexander Jesacher
Medical University of Innsbruck
Müllerstr. 44
A-6020 Innsbruck, Austria
alexander.jesacher@i-med.ac.at

Overview of Invited Talks and Sessions

(Lecture room e415)

Invited Talks

SYBO 1.1	Thu	11:00–11:30	e415	Recent advances of Optical Coherence Tomography — •WOLFGANG DREXLER
SYBO 1.2	Thu	11:30–12:00	e415	Vortex-beams for precise and gentle dissection in refractive corneal surgery — •ALFRED VOGEL, SEBASTIAN FREIDANK, NORBERT LINZ
SYBO 1.3	Thu	12:00–12:30	e415	Structured Illumination and the Analysis of Single Molecules in Cells — •RAINER HEINTZMANN
SYBO 1.4	Thu	12:30–13:00	e415	Biophotonics - a potential solution to unmet medical needs!? — •JUERGEN POPP
SYBO 2.1	Thu	14:30–15:00	e415	Smart and multimodal light sheet microscopy — •JAN HUISKEN
SYBO 2.2	Thu	15:00–15:30	e415	Laser Applications at the Cochlea: Imaging and Stimulation — •ALEXANDER HEISTERKAMP, NICOLE KALLWEIT, PETER BAUMHOFF, ALEXANDER KRUEGER, NADINE TINNE, HEIKO MEYER, ANDREJ KRAL, HANNES MAIER, TAMMO RIPKEN
SYBO 2.3	Thu	15:30–16:00	e415	Sculpted light landscapes for optical micro-manipulation — CHRISTINA ALPMANN, ALVARO BARROSO PENA, EILEEN OTTE, KATHRIN DIECKMANN, •CORNELIA DENZ
SYBO 2.4	Thu	16:00–16:30	e415	Optogenetics: Lighting Up the Brain — •GERO MIESENBOECK

Sessions

SYBO 1.1–1.4	Thu	11:00–13:00	e415	Symposium Biomedical Optics 1
SYBO 2.1–2.4	Thu	14:30–16:30	e415	Symposium Biomedical Optics 2