

GlioLighT Workshop

Day 1 - 01 SEP 2026

VINČA Institute of Nuclear Sciences

09:15

Welcome & Introduction

09:30

Presentations: Lasers in oncology and medicine

Laser Solutions in Life Science and Oncology
Lasers in Medicine

Robert Perttilä
Ronald Sroka

10:30

Coffee Break

10:50

Presentations: Theoretical background

Introduction to brain tumour biology
5-ALA mediated PDT: History, Principles, and Clinical iPDT in Neurosurgery
Photonics Tools for Biomedical Applications: Direct laser treatment of cancers
Experimental in vitro model systems for tumour biology studies and therapy development

Anne Régnier-Vigouroux
Max Aumiller
Edik Rafailov
Anne Régnier-Vigouroux, Sergei Sokolovsky

12:30

Lunch Break

13:30

Presentations: Research approaches

From Processing Experimental Data to Making a Mathematical Model for Glioma Therapy
Laboratory Approaches for Therapy Modelling: Tissue Phantoms and Simulations
'Glass head' PDT delivery demonstration

Aleksandra Maluckov & Djordje Kapuran
Max Aumiller
Max Aumiller

14:45

Coffee Break

15:00

Laboratory Demonstrations

Experimental setups for PDT and DLT experiments: demonstration and hands-on activity, illuminations of 2D and 3D cultures
Demonstration of TCMPC-NIR device

Sophie Gieß, Matilde Negrini, Jelena Žakula, Lela Korićanac
VINS team

17:00

Closing Remarks & End of Day 1



GlioliGhT Workshop

Day 2 - 02 SEP 2026

VINČA Institute of Nuclear Sciences

09:15

Arrival & Day 2 Introduction

09:30

Hands-On Workshops

How to prepare cells for spheroids

Visualization of prepared spheroids and spheroid handling

Sophie Gieß &
Matilde Negrini

13:00

Workshop Conclusion & Lunch Break

**For more information about the
GlioliGhT project:**



www.gliolight.eu

Find out more about the project and consortium
Access publications and educational materials



@GlioliGhT on LinkedIn

Keep up with news, announcements,
updates and results



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