



Symposium

Biotech and Medical Photonics Careers action

Bratislava



Date.

11 November, 2025

Venue.

SCSTI
Large seminar room (2nd floor),
Lamačská cesta 8A
Bratislava, Slovakia



Audience.

University students and early stage researchers.

Registration.



Register at
<https://forms.office.com/e/W9AMVWRvWS>
before 4 November 2025

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Program

11 November 2025

9:00–9:15 Registration

9:15–9:30 Welcome and Opening Remarks

9:30–10:30 Plenary Talks

9:30–10:00 **Dr. Lenka Lorencová**, Institute of Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia: **MXenes in Medical Biosensing: The Critical Role of Surface Modification.**

10:00–10:30 **Dr. Soňa Legartová**, CEITEC, Cellular Imaging Core Facility, Brno, Czech Republic: **Light Meets Life: Stories from Modern Microscopy.**

10:30–10:45 Coffee Break

10:45–12:25 From Science to Practice

10:45–11:10 **Dr. Norbert Flachbart**, Aurora Medical, s.r.o.: **Development and applications of CO₂ laser and diode laser in cosmetics and dermatology.**

11:10–11:35 **Prof. Jana Sedláková**, ALGAJAS, s.r.o.: **Nature's Recycling Secrets: How My Failed Experiments Built a Green Technology Company.**

11:35–12:00 **Dr. Pavel Krist**, Carl Zeiss Slovakia, s.r.o.: **Working for a company founded in 1846.**

12:00–12:25 **Prof. Pavol Miškovský**, SAFTRA Photonics, s.r.o.: **Application of nanotechnology-based photonics sensors in environment, agriculture, medicine, and food control.**

12:25–13:30 Networking Lunch

13:30–15:10 My Career in Health

13:30–13:55 **Dr. Jana Kirchnerová**, Novo Nordisk Slovakia, s.r.o.: **Pharma career with photonics background.**

13:55–14:20 **Dr. Elena Kupcová**, Matej Bel University, Banská Bystrica, Slovakia: **Photonics at the Interface of Analytical Chemistry and Medicine.**

14:20–14:45 **Dr. Dušan Chorvát**, International Laser Centre of SCSTI, Bratislava, Slovakia: **Biomedical applications of advanced optical imaging.**

14:45–15:10 **Dr. Michal Cagalinec**, Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia: **Excitation-emission: discrete jumps to boost my career.**

15:10–15:30 Refreshments

15:30–16:30 Testimonials

15:30–15:50 **Dr. Andrej Hovan**, The Extreme Light Infrastructure ERIC, ELI Beamlines Facility, Dolní Břežany, Czech Republic: **My journey to ultrafast spectroscopy.**

15:50–16:10 **Ing. Martin Berki**, Faculty of Electrical Engineering and Information Technology of STU Bratislava, Slovakia: **Data-Driven Approaches for Continuous Blood Pressure Estimation.**

16:10–16:30 **Dr. Majlinda Meta**, Center of Biosciences, Slovak Academy of Sciences, Bratislava, Slovakia: **Photodynamic approach in diagnosis and therapy of various types of diseases.**

16:30–17:30 Panel Discussion – Networking with Speakers

17:30 Closing Remarks

17:30–18:00 Refreshments and Informal Discussion

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