



ESSO-ISFGS Course on Fluorescence-Guided Surgery

Leiden (NL), 10-11 June, 2026

Chairs

Ludovica Baldari, IRCCS – Ca' Granda, Policlinico Hospital of Milan, Milan, IT

Sven Mieog, Leiden University Medical Center, Leiden, NL

Karol Polom, Greater Poland Cancer Center, Poznań, PL

Alexander Vahrmeijer, Leiden University Medical Center, Leiden, NL

Faculty members

Michael Achiam, Rigshospitalet, Copenhagen, DK

Ilias Asaggau, Meander Medisch Centrum, Amersfoort, NL

Nicole Bouvy, Leiden University Medical Center, Leiden, NL

Ronan Cahill, University College Dublin, Dublin, IR

Annemiek Doeksen, St. Antonius Hospital, Nieuwegein, NL

Sylvan Gioux, University of Strasbourg, FR

Denise Hilling, Erasmus Medical Center, Rotterdam, NL

Schelto Kruijff, University Medical Center Groningen, Groningen, NL

Kenneth Rankin, Newcastle University, UK

Quirijn Tummers, Antonie van Leeuwenhoek Ziekenhuis, Amsterdam, NL

Willemieke Tummers, Prinses Maxima Centrum, Utrecht, NL

Louelle van der Aa, Leiden University Medical Center, Leiden, NL

Joost van der Vorst, Leiden University Medical Center, Leiden, NL

Programme

Wednesday 10 June

09:00 – 09:30 *Registration*

09:30 – 09:40 Welcome and introduction
A. Vahrmeijer/S. Mieog



09:40 – 10:00 Basics and history of fluorescence in surgical oncology
S. Gioux

Fluorescence Imaging of Lymphatics & SLN

Chair: S. Mieog

10:00 – 10:20 Breast Cancer
A. Doeksen

10:20 – 10:30 Skin Cancer
K. Polom

10:30 – 10:50 Coffee break

10:50 – 11:15 Upper GI Cancer
L. Baldari

11:15 – 11:35 Colorectal Cancer (Option for Organ-Sparing Surgery?)
I. Asaggau

Fluorescence Imaging of Tissue Perfusion

Chair: A. Vahrmeijer

11:35 – 11:55 ICG Quantification Methods
J. van der Vorst

11:55 – 12:15 Fluorescence Perfusion in CRC
D. Hilling

12:15 – 13:15 Lunch

Hands-on Session

13:15 – 14:30 Hands-On Testing of ICG (and Other Probes) on Phantoms, (Axillary Models, Perfusion Models)
All faculty
Techniques in perfusion assessment and quantification.
J. van Wezel

14:30 – 14:45 Coffee break

Applications of Fluorescence Imaging in evaluating Tissue Perfusion

Chair: A. Vahrmeijer

14:45 – 15:05 Meta-Analysis of Fluorescence Perfusion in CRC & AI help
R. Cahill

15:05 – 15:25 Fluorescence Perfusion in Other Indications (Reconstructive/ Surgery)
L. van der Aa

Imaging of Biliary Tract and Ureters

Chair: K. Polom

15:25 – 15:45 Biliary Tract Imaging
S. Mieog



- 15:45 – 16:05 Biliary Fluorescence Imaging: Why Not?
L. Baldari
- 16:05 – 16:25 Ureters
A. Vahrmeijer
- 16:25 – 16:30 Wrap-up
K. Polom

Thursday 11 June

Imaging of tumor tissue

Chair: L. Baldari

- 09:00 – 09:15 Overview of Tumour-Targeting Dyes and Introduction of Speakers
A. Vahrmeijer
- 09:15 – 09:30 Colorectal Cancer
D. Hilling
- 09:30 – 09:45 Liver and Pancreatic Tumours
S. Mieog
- 09:45 – 10:00 Lung Cancer
Q. Tummers

10:00 – 10:20 Coffee break

Imaging of tumor tissue

Chair: A. Vahrmeijer

- 10:20 – 10:40 Kinetics of Fluorescence in Cancer Imaging
R. Cahill
- 10:40 – 11:00 Sarcoma
K. Rankin
- 11:00 – 11:20 Pediatric Surgical Oncology
W. Tummers
- 11:20 – 11:40 How to Start a Fluorescence Programme in Your Hospital?
K. Polom

11:40 – 12:30 Lunch

Hands-on - Session

- 12:30 – 14:15 Hands-On Testing of ICG (and Other Probes) on Different Imaging Systems: Detection, Quenching and Dilution, Depth Penetration, Synergy Fluorophore and Imaging Systems.
All faculty
J. van Wezel



Fluorescence and Beyond

Chair: S. Mieog

14:15 – 14:30 Update From the ISFGS President
A. Vahrmeijer

14:30 – 14:50 Sustainability in Research Focus and Fluorescence-Guided Surgery
S. Kruijff

14:50 – 15:10 Data driven OR
M. Achiam

Keynote lecture

15:10 – 15:25 Future of Fluorescence-Guided Surgery (Lecture of EAES President)
N. Bouvy

15:25 – 15:30 *Wrap-up and Farewell*
S. Mieog/K. Polom