



# ESSO-ISFGS Course on Fluorescence Guided Surgery

**10-11 June 2026**

**LEIDEN (NL)**



## **ESSO HANDS-ON COURSE ON SURGICAL TECHNIQUE – ABDOMINAL SURGERY**

### **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*

**Thomas Piper**, *Rigshospitalet, Copenhagen, DK*

**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*

## Program

### Wednesday 10 June

09:00 - 09:30	Registration
09:30 - 09:40	Welcome and introduction <i>A. Vahrmeijer/S. Mieog</i>
09:40 - 10:00	Basics and history of fluorescence in surgical oncology <i>S. Gioux</i>
	<b>Fluorescence Imaging of Lymphatics &amp; SLN</b> <i>Chair: S. Mieog</i>
10:00 - 10:20	Breast Cancer <i>A. Doeksen</i>
10:20 - 10:30	Skin Cancer <i>K. Polom</i>
10:30 - 10:50	<b>Coffee break</b>
10:50 - 11:15	Upper GI Cancer <i>L. Baldari</i>
11:15 - 11:35	Colorectal Cancer (Option for Organ-Sparing Surgery?) <i>I. Asaggau</i>
	<b>Fluorescence Imaging of Tissue Perfusion</b> <i>Chair: A. Vahrmeijer</i>
11:35 - 11:55	ICG Quantification Methods <i>J. van der Vorst</i>
11:55 - 12:15	Fluorescence Perfusion in CRC <i>D. Hilling</i>
12:15 - 13:15	<b>Lunch</b>
	<b>Hands-on Session</b>
13:15 - 14:30	Hands-On Testing of ICG (and Other Probes) on Phantoms, (Axillary Models, Perfusion Models) <i>All faculty</i> Techniques in perfusion assessment and quantification. <i>J. van Wezel</i>
14:30 - 14:45	<b>Coffee break</b>
	<b>Applications of Fluorescence Imaging in evaluating Tissue Perfusion</b> <i>Chair: A. Vahrmeijer</i>
14:45 - 15:05	Meta-Analysis of Fluorescence Perfusion in CRC & AI help <i>D. Hilling</i>
15:05 - 15:25	Fluorescence Perfusion in Other Indications (Reconstructive/ Surgery) <i>L. van der Aa</i>
	<b>Imaging of Biliary Tract and Ureters</b> <i>Chair: K. Polom</i>
15:25 - 15:45	Biliary Tract Imaging <i>S. Mieog</i>
15:45 - 16:05	Biliary Fluorescence Imaging: Why Not? <i>L. Baldari</i>
16:05 - 16:25	Ureters <i>A. Vahrmeijer</i>
16:25 - 16:30	Wrap-up <i>K. Polom</i>

## Thursday 11 June

	<b>Imaging of tumor tissue</b> <i>Chair: K. Polom</i>
09:00 - 09:15	Overview of Tumour-Targeting Dyes and Introduction of Speakers <i>A. Vahrmeijer</i>
09:15 - 09:30	Kinetics of Fluorescence in Cancer Imaging <i>R. Cahill</i>
09:30 - 09:45	Colorectal Cancer <i>D. Hilling</i>
09:45 - 10:00	Liver and Pancreatic Tumours <i>S. Mieog</i>
10:00 - 10:20	<b>Coffee break</b>
	<b>Imaging of tumor tissue</b> <i>Chair: A. Vahrmeijer</i>
10:20 - 10:40	Lung Cancer <i>Q. Tummers</i>
10:40 - 11:00	Sarcoma <i>K. Rankin</i>
11:00 - 11:20	Pediatric Surgical Oncology <i>W. Tummers</i>
11:20 - 11:35	How to Start a Fluorescence Programme in Your Hospital? <i>K. Polom</i>
11:35 - 11:50	Fluorescence use during Whipple surgery <i>T. Piper</i>
11:50 - 12:30	<b>Lunch</b>
	<b>Hands-on - Session</b>
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. <i>All faculty</i> <i>J. van Wezel</i>
	<b>Fluorescence and Beyond</b> <i>Chair: S. Mieog</i>
14:15 - 14:30	Update From the ISFGS President <i>A. Vahrmeijer</i>
14:30 - 14:50	Sustainability in Research Focus and Fluorescence-Guided Surgery <i>S. Kruijff</i>
14:50 - 15:10	Data driven OR <i>M. Achiam</i>
	<b>Keynote lecture</b>
15:10 - 15:25	Future of Fluorescence-Guided Surgery (Lecture of EAES President) <i>N. Bouvy</i>
15:25 - 15:30	<b>Wrap-up and Farewell</b> <i>S. Mieog/K. Polom</i>