



## 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**, Medical University of Gdansk, Gdansk, 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: K. Polom**

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*