

# Preliminary Program

## ESSO Course on Fluorescence-Guided Surgery

Leiden (NL), 1<sup>st</sup> to 2<sup>nd</sup> of June 2023

### Chairs

**Sven Mieog**, Leiden University Medical Center, Leiden, NL

**Karol Polom**, Medical University of Gdansk, Gdansk, PL

**Alexander Vahrmeijer**, Leiden University Medical Center, Leiden, NL

**Luigi Boni**, IRCCS – Ca' Granda, Policlinico Hospital of Milan, Milan, IT

### Faculty members

**Michael Achiam**, Rigshospitalet, Copenhagen, DK

**Ronan Cahill**, University College Dublin, Dublin, IR

**Manish Chand**, University College London, UK (online)

**Michele Diana**, IRCAD, Strasbourg, FR

**Sylvain Gioux**, University of Strasbourg, FR

**Schelto Kruijff**, University Medical Center Groningen, Groningen, NL

**Fijs van Leeuwen**, Leiden University Medical Center, Leiden, NL

**Daan Linders**, Leiden University Medical Center, Leiden, NL

**Eric Vibert**, Hopital Paul Brousse, Villejuif, FR

**Raul Rosenthal**, Cleveland Clinic, Miami, USA (*Live Virtual*)

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

**Mats Warmerdam**, Leiden University Medical Center, Leiden, NL

**Martijn van Dam**, Leiden University Medical Center, Leiden, NL

### Program

#### Thursday 1<sup>st</sup> of June

##### Introduction - session

09:00 – 09:05	Welcome and introduction <i>A. Vahrmeijer &amp; S. Mieog</i>
09:05 – 09:25	Basics of fluorescence <i>S. Gioux</i>
09:30 – 09:40	Short history of fluorescence in surgical oncology

*K. Polom*

### **How I do it: imaging of lymphatics & SLN - session**

- 09:45 – 09:50 - Introduction  
*L. Boni*
- 09:50 – 10:00 - CRC  
*L. Boni*
- 10:05 – 10:15 - Breast and gynaecology  
*K. Polom*
- 10:20 – 10:30 - Endocrine and melanoma  
*S. Kruijff*
- 10:35 – 10:45 - Upper GI  
*M. Achiam*
- 10:50 – 11:00 - Discussion  
*L. Boni*

**11:00 – 11:15**      **Coffee break**

### **How I do it: imaging of tissue perfusion - session**

- 11:15 – 11:20 - Introduction  
*R. Cahill*
- 11:20 – 11:30 - CRC  
*R. Cahill*
- 11:35 – 11:45 - Parathyroid and endocrine  
*S. Kruijff*
- 11:50 – 12:00 - Upper GI  
*M. Achiam*
- 12:05 – 12:15 - Vascular and plastics  
*J. van der Vorst*
- 12:20 – 12:30 - Discussion  
*R. Cahill*

**12:30 – 13:30**      **Lunch**

### **Hands-on - session**

- 13:30 – 15:00      Hands-on testing of ICG (and other probes) on different imaging systems: detection, quenching and dilution, depth penetration, synergy fluorophore and imaging systems, etc.  
*All faculty*

**15:00 – 15:15**      **Coffee break**

### **Fluorescence and beyond – session**

- 15:15 – 15:35      How to start using fluorescence in your hospital  
*L. Boni*
- 15:40 – 16:05      Hyperspectral imaging

16:10 – 16:35 *M. Diana*  
Fluorescence and nuclear imaging combined  
*F. Van Leeuwen*

**18:00** ***Dinner***

## **Friday 2<sup>nd</sup> of June**

### **How I do it: imaging of biliary tract and ureters - session**

09:00 – 09:05 - Intro  
*K. Polom*

09:05 – 09:15 - Biliary tract  
*S. Mieog*

09:20 – 09:35 - Dose and timing for fluorescent cholangiography  
*L. Boni*

09:40 – 09:50 - Ureters  
*A. Vahrmeijer*

09:50 – 10:00 - Discussion  
*K. Polom*

**10:00 – 10:15** ***Coffee break***

### **How I do it: imaging of tumor tissue - session**

10:15 – 10:20 - Introduction  
*M. Diana*

10:20 – 10:35 - Endocrine  
*S. Kruijff*

10:40 – 11:00 - Primary liver tumors  
*E. Vibert*

11:05 – 11:20 - Secondary liver and pancreatic tumors  
*S. Mieog*

11:25 – 11:35 - CRC  
*A. Vahrmeijer*

11:40 – 11:55 - Breast/topical application  
*D. Linders*

11:55 – 12:00 - Discussion  
*M. Diana*

**12:00 – 13:00** ***Lunch***

### **What's new and upcoming in fluorescence imaging - session**

13:00 – 13:05 - Intro  
*S. Mieog*

13:05 – 13:20 - Quantification in abdominal surgery

13:25 – 13:40      *M. Achiam*  
- Alternative quantification methods  
*J. van der Vorst*  
13:45 – 14:05      - Robotics and fluorescence  
*M. Chand*  
14:10 – 14:20      - Discussion  
*S. Mieog*

**Consensus statements & international collaboration**

14:25 – 14:40      - Results consensus statements ESSO course on fluorescence  
*M. van Dam*  
14:45 – 15:00      - *International collaboration*  
*R. Rosenthal (virtual)*  
  
15:00                **Wrap-up and farewell - *S. Mieog, A. Vahrmeijer***