



Dutch Fluorescence
Guided Surgery Group



**NEW
UPDATE** 

Program International Fluorescence Guided Surgery Congress 2023

Congress Presidents

**International Society for Fluorescence Guided Surgery (ISFGS)
European Chapter – Alexander L. Vahrmeijer**

Dutch Fluorescence Guided Surgery (DFGS) Group – Denise E. Hilling

DFGS Executive Board

- Denise E. Hilling – Director
- Stijn Keereweer – Public relations
- Pieter B.A.A. van Driel – Public relations
- Schelto Kruijff – Vice director / Public relations
- J. Sven D. Mieog – Events
- Mahdi Al-Taher – Events
- Rutger Jan Swijnenburg – Treasurer
- Martijn van Dam – Secretary
- Milou E. Noltes – Vice-secretary

Congress Committee

- Martijn van Dam – President
- Rutger Henrar – Secretary
- Daan Linders – Treasurer
- Mats Warmerdam – Treasurer
- Yester Janssen – Acquisitions
- Bo Zweedijk – Location
- Danique Heuvelings – Public Relations
- Tim Hoffman – Public Relations

ISFGS faculty – European Chapter

- Luigi Boni – Board president
- Eric Vibert – Secretary
- Alexander L. Vahrmeijer – EU-Board member
- Manish Chand – EU-Board member
- Rutger Schols – EU-Board member
- Laurents P.S. Stassen – EU-board member

DFGS Advisory Board

- Go van Dam
- Alexander L. Vahrmeijer
- Laurents P.S. Stassen
- Clemens W.G.M. Löwik

Advisory Congress Committee

- Kevin Wevers
- Danny Evers
- Rutger Schols

Thursday
2nd of
November

Program

2:00 – 2:10 PM Welcome and introduction

- Alexander Vahrmeijer (ISFGS) & Denise Hilling (DFGS)

2:10 – 3:30 PM Global Insights

Moderators: Alexander Vahrmeijer (ISFGS) & Denise Hilling (DFGS)

- EAES Consensus on ICG in FGS – Elisa Cassinotti (Università degli Studi di Milano)
- Fluorescent Cholangiography: the ideal dose and timing – Luigi Boni (Università degli Studi di Milano)
- The CLASSICA Clinical Study – Ronan Cahill (University College Dublin)
- Fluorescence imaging in pediatrics – Phillip Szavay (Luzerner Kantonsspital)

3:30 – 4:00 PM Coffee Break

4:00 – 5:15 PM Results of ground breaking phase II-III trials

Moderators: Alexander Vahrmeijer (ISFGS) & Mats Warmerdam (DFGS)

- OTL 38- imaging in lung cancer – Sunil Singhal (University of Pennsylvania)
- INFLUENCE-trial – Annemiek Doeksen (St. Antonius Hospital)
- AVOID trial – Denise Hilling (LUMC/Erasmus MC)

5:15 – 6:15 PM Innovations and Training

Moderators: Sven Mieog (DFGS) & Danique Heuvelings (DFGS)

- How to start with Fluorescence-Guided Surgery in your hospital – Mahdi Al-Taher (Tawam Hospital Abu Dhabi)
- Fluorescence guided surgery in esophagogastric oncological surgery – Nikolaj Nerup (Rigshospitalet, University of Copenhagen)
- Surgical innovations and training – Manish Chand (University College London)

6:15 – 6:25 PM Closing and Recap of Day 1

- Alexander Vahrmeijer (ISFGS) & Denise Hilling (DFGS)

6:30 – 9:00 PM Social program: Drinks and walking dinner

9:00 PM – 1:00 AM Networking event

Concert hall

Foyer – Chapel

Optional



Dutch Fluorescence
Guided Surgery Group



Friday
3rd of
November

Morning program

Concert hall

10:00 – 10:05 AM

- *Luigi Boni (ISFGS) & Sven Mieog (DFGS)*

10:05 – 11:15 AM

Advances in Fluorescence Imaging

Moderators: *Kevin Wevers (DFGS) & Daan Linders (DFGS)*

- Advances in image guided robotics – *Fijs van Leeuwen (LUMC)*
- Fluorescent Guided Surgery and Transplantation for Liver Cancer – *Eric Vibert (Hôpital Paul-Brousse)*
- Tumor-targeting hybrid tracers – *Mark Rijpkema (Radboud UMC)*
- Ureteral fluorescence beyond the simple luminal painting – *João Paulo Epprecht (Latin American Chapter of ISFGS)*

Foyer

11:15 – 11:30 AM

Coffee Break

11:30 – 12:30 PM

Parallel sessions – part I

Fluorescence-guided surgery: the basics / How to start?

- Methylene Blue for bowel perfusion assessment – *Danique Heuvelings (MUMC+)*
- Fluorescence-guided interventions: operating more effectively and safely by seeing the invisible – *Daan Lips (MST)*
- Applications in plastic surgery – *Rutger Schols (MUMC+)*

Moderators: *Merlijn Hutteman (Radboud MC) & Danique Heuvelings (MUMC+)*

Experimental and advanced fluorescence-guided surgery: Perfusion and quantification

- Perfusion assessment in Esophagus/Colorectal surgery – *Hidde Galema (EMC)*
- Multicenter RCT – Indocyanine Green for perfusion assessment of DIEP flaps: A Dutch multicenter randomized controlled trial – *Stefan Koning (LUMC)*
- IRCAD – Advanced fluorescence imaging – *Mahdi Al-Taher (IRCAD)*

Moderators: *Laurents Stassen (MUMC+) & Rutger Henrar (AUMC)*

Experimental and advanced fluorescence-guided surgery: Tumor-targeted imaging

- Ex-vivo validation of topically applied Spray Dyes – *Daan Linders (LUMC)*
- Tumor-targeted imaging of Head/Neck tumors – *Floris Voskuil (UMCG)*
- PSMA-targeting using OTL-78 for imaging of prostate cancer – *Judith Stibbe (LUMC/AvL)*

Moderators: *Schelto Kruijf (UMCG) & Yester Janssen (UMCG)*

Room 1

Room 2

Room 3



Dutch Fluorescence
Guided Surgery Group



Friday
3rd of
november

Lunch & Industry Demo Sessions

Foyer

12:30 AM – 2:00 PM

Lunch & Industry Demo Session

Gold Sponsors

Diagnostic
Green
stryker[®]

Silver Sponsors

B|BRAUN
SHARING EXPERTISE


SurgiMab
INTRAOPERATIVE FLUORESCENCE DIAGNOSTIC

 **Quest** | medical imaging

OLYMPUS[®]

Bronze Sponsors

Arthrex[®]

STORZ
KARL STORZ – ENDOSKOPE

RICHARD
WOLF 

spirit of excellence

inomed  30 1991 – 2021
30 years of innovation & partnership

MOBULA
Image Guided Medicine 

QUEL
IMAGING

Medical Partners

 **Maastricht UMC+**

 **CHDR**
Centre for Human Drug Research



Dutch Fluorescence
Guided Surgery Group



Afternoon program

Friday
3rd of
November

2:00 – 3:40 PM

Parallel sessions – part II

Room 1

Fluorescence-guided surgery: the basics / How to start?

- MIMIC-trial – ICG for detection of CRLM – *Friso Achterberg (LUMC/HMC)*
- ICG Fluorescence lymphography to prevent chyle leakage – *Dillen van der Aa (AUMC)*
- qFLA or the eye of the surgeon – *Bob Geelkerken (MST)*
- ICG segmental resection in cardiothoracic surgery – *Iris Laven (Zuyderland)*
- Imaging of the urinary tract – *Cedric Pesch (LUMC)*

Moderators: *Merlijn Hutteman (Radboud MC) & Danique Heuvelings (MUMC+)*

Room 2

Experimental and advanced fluorescence-guided surgery: Perfusion and quantification

- ICG quantification parathyroid glands – *Schelto Kruijff (UMCG / Karolinska Institutet)*
- Applications of Laser speckle imaging – *Tim Hoffman (UMCG)*
- Hyperspectral Imaging: Surgical Possibilities – *Rutger Schols (MUMC+)*
- Perfusion and Quantification in vascular surgery – *Floris Tange (LUMC)*
- Comparability of software based quantification algorithms for ICG-FA – *David Nijssen (AUMC)*

Moderators: *Laurents Stassen (MUMC+) & Rutger Henrar (AUMC)*

Room 3

Experimental and advanced fluorescence-guided surgery: Tumor-targeted imaging

- CEA-targeted fluorescence imaging using SGM-101 – *Mats Warmerdam (LUMC)*
- Applications of Fluorescence Endoscopy – *Wouter Nagengast (UMCG)*
- Fluorescence guided surgery in pediatric oncology – *Willemieke Tummers (LUMC)*
- Raman spectroscopy & Near-infrared fluorescence imaging in Head and Neck surgery – *Hamed Abbasi (EMC)*
- Exploring FGS using EMI-137 in Thyroid Carcinoma – *Pascal Jonker (UMCG)*

Moderators: *Schelto Kruijff (UMCG) & Yester Janssen (UMCG)*

3:40 – 4:20 PM

Coffee Break

4:20 – 5:05 PM

Closing session and wrap-up

Moderators: *Pieter van Driel (DFGS) & Martijn van Dam (DFGS)*

- *Highlights of Tumor-targeted imaging: cRGD-ZW800-1 in Head & Neck cancer – Stijn Keerweer (Erasmus MC)*
- *Highlights of Perfusion imaging: ICG for colorectal perfusion assessment- lessons learnt over the last decade – Ronan Cahill (University College Dublin)*
- *Wrap-up and overview of Fluorescence-guided Surgery – Laurents Stassen (MUMC+)*

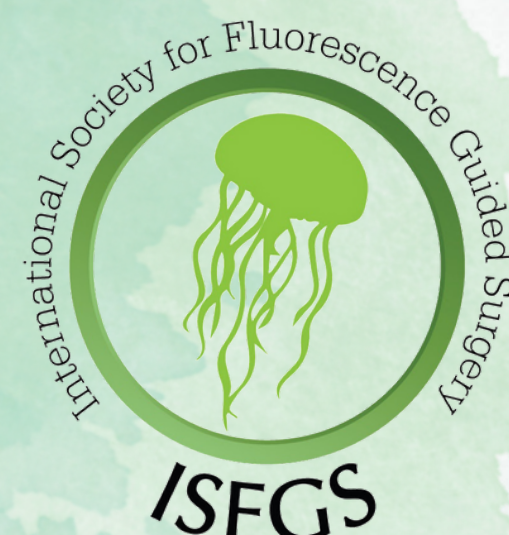
5:05 – 5:15 PM

Closing ceremony

- *Luigi Boni (ISFGS) & Sven Mieog (DFGS)*



Dutch Fluorescence
Guided Surgery Group



General Information

On November 2nd and 3rd, 2023, the international symposium on fluorescence-guided surgery will take place at Hotel Arena in Amsterdam. The symposium is organized by the Dutch Fluorescence Guided Surgery (DFGS) group and the International Society of Fluorescence Guided Surgery.

Are you interested in delving deeper into fluorescence-guided surgery? Or perhaps you want to take your first leap into the world of near-infrared fluorescence imaging but are unsure where to start or how to approach it? In both cases, this symposium is the right place for you. The symposium is aimed at a broad clinical and scientific audience, including both experienced and inexperienced fluorescence users. Various examples of the use of indocyanine green (ICG) in daily practice will be discussed, as well as (fundamental) research on tumor-specific substances. Researchers and specialists from surgical specialties such as urology, transplant surgery, plastic surgery, ENT surgery, general surgery, neurosurgery, thoracic surgery, and gynecology will be present. It is also highly suitable for interested technical physicians.

The interdisciplinary nature of the symposium offers a unique opportunity to learn from insights gained in other subspecialties that you may not be familiar with. As a participant of the symposium, you will also have the opportunity to get acquainted with fluorescence cameras from various manufacturers during lunch breaks. Accreditation has been requested for your association.

Venue

The congress will take place in Hotel Arena, Amsterdam. Also the social dinner and evening will be at this location.

Hotel Arena, 's-Gravesandestraat 55, 1092 AA Amsterdam, The Netherlands
Website: www.hotelarena.nl/en/

WiFi-access

Hotel Arena - Wifi access: Welcome@HotelArena
Hotel Arena Events - Wifi access: Events@HotelArena



Tickets

Tickets via our website, www.dfgs-group.org or www.isfsgs.org, or follow the QR-code on the left side



Dutch Fluorescence
Guided Surgery Group



Gold Sponsors

Diagnostic Green

Diagnostic Green is the leading provider of trusted high quality fluorescence products, including Indocyanine Green, worldwide. Approved for use in major markets in EMEA and USA, Diagnostic Green's Verdye (Indocyanine Green, USP) has an excellent safety profile and is widely used in procedures for assessment of tissue perfusion based on fluorescence.

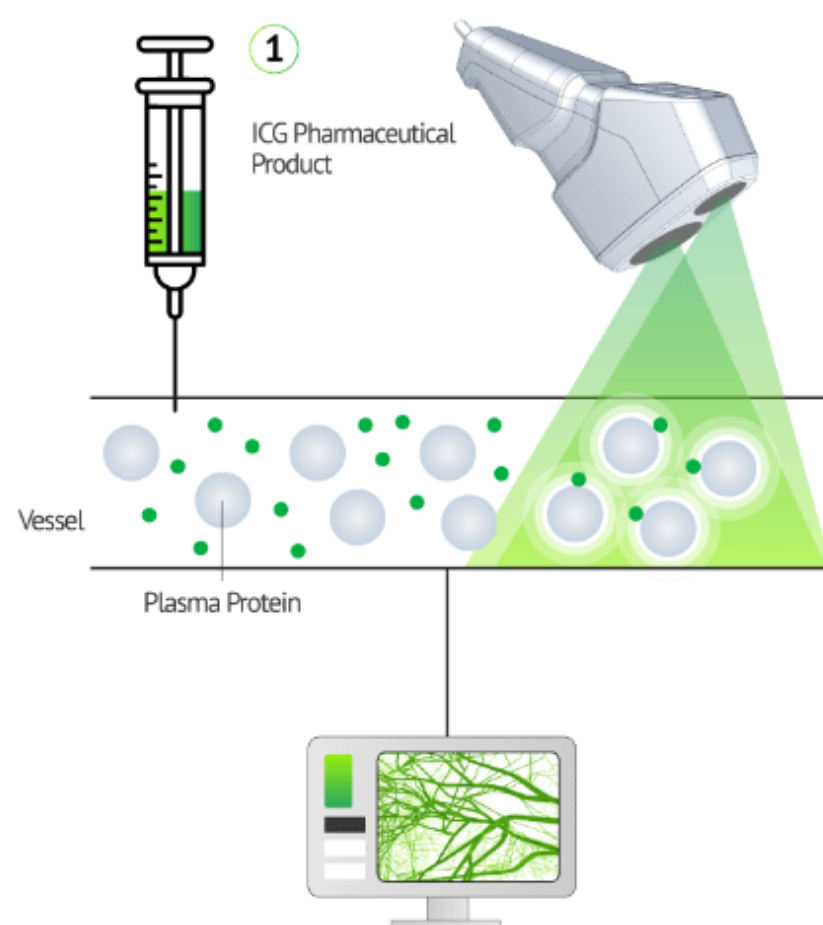
Website: www.diagnosticgreen.com.



How it Works

1

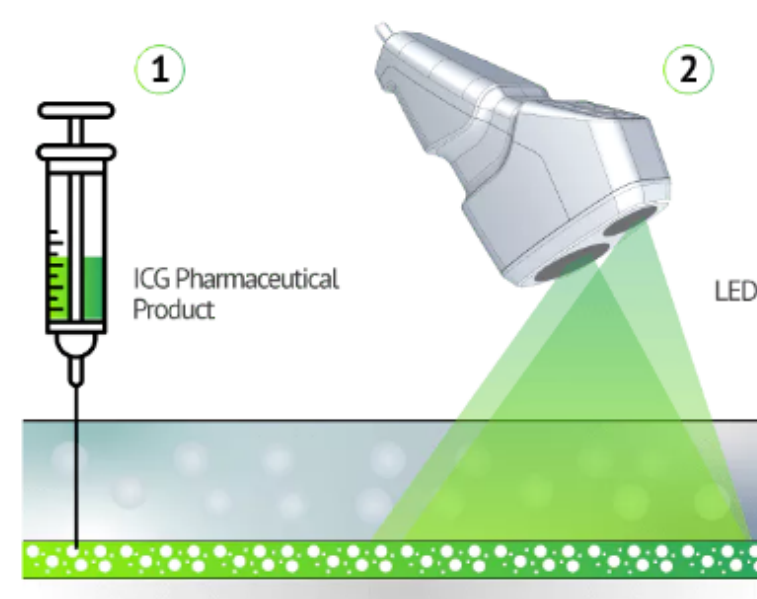
Injection



- ICG is reconstituted and injected

2

Visualization



- Through the use of a camera system, such as IC-Flow™ Imaging System, a near-infrared light is exhibited
- The light source excites the ICG molecules in the patient
- The ICG emits fluorescence
- Fluorescent light of ICG is detected by the camera filters
- Images are displayed on imaging system monitor



Dutch Fluorescence
Guided Surgery Group



Gold Sponsors

stryker®

Stryker offers comprehensive imaging system for multiple surgical specialties: such as orthopedic, general, colorectal, ENT, gynecology, and urology. Stryker's 1688 4K Camera System with AIM is the first system with fluorescence imaging designed in a 4K platform. The 1688 4K AIM platform with advanced imaging capabilities includes SPY technology enabling real-time visualization of circulation, including tumor perfusion, lymphatics, and blood vessels as well as related tissue perfusion and biliary anatomy by using fluorescent light.

Website: www.stryker.com



Dutch Fluorescence
Guided Surgery Group



Silver Sponsors



SurgiMAB's innovative fluorescent conjugates allow surgeons to get a clear-cut image of tumors in real-time so that they can perform more radical and more efficient surgery.

SGM-101, our lead fluorescent anti-CEA antibody specifically targets various digestive tumors such as colon, rectum or pancreas tumors, as well as some lung tumors, thus participating in the new paradigm-shift in cancer surgery and allowing surgeons to improve patient outcome.

Olympus has recently launched their new platform: Visera Elite III. Visera Elite III is a versatile multispecialty platform which supports 4K, 3D and Fluorescence all in one box that can be used in many surgical specialties such as general surgery, orthopedic, gynecology, urology and ENT.

The platform is truly future proof and can be upgraded to 3D and Fluorescence via software to increase flexibility in purchasing. It provides access to many latest Olympus technologies all via software which eliminates the need to invest in new hardware.



Quest Medical Imaging is an Olympus Group company, and focusses on the design and production of medical imaging systems. The Quest Spectrum® is a real-time fluorescence imaging device, that allows visualization of multiple fluorescent dyes (e.g. Indocyanine Green and Methylene Blue). Our multispectral fluorescence image technology enables surgeons to visualize tissue perfusion and to create contrast between tissues that are indistinguishable with the naked eye.

See better. See beyond : Fluorescence Imaging (FI) aims for the best patient outcome during diagnostics or surgery. In minimally invasive surgery it is used in numerous applications such as vessel or visceral perfusion assessment, visualization of bile duct anatomy or (sentinel) lymph node mapping.

AESCULAP® EinsteinVision® 3.0 FI: 3D Fluorescence Imaging in real-time. Fluorescence Imaging (FI) aims for the best patient outcome during diagnostics or surgery. In minimally invasive surgery it is used in numerous applications such as vessel or visceral perfusion assessment, visualization of bile duct anatomy or (sentinel) lymph node mapping.



Dutch Fluorescence
Guided Surgery Group



Bronze Sponsors



spirit of excellence



30 years of innovation & partnership



Medical Partners



Advancing the frontiers of clinical drug development

CHDR is an independent institute specialising in innovative early-stage clinical drug research.



Maastricht University Medical Center+ is a partnership between Maastricht University Hospital and the Faculty of Health, Medicine & Life Sciences of Maastricht University.

We distinguish ourselves nationally and internationally by focusing not only on health restoration, but also on health maintenance and health promotion. Our core tasks - in addition to top referral and top clinical patient care - are scientific research, education and training, and valorization..

