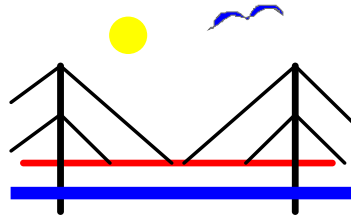


# Optimisation in X-ray and Molecular Imaging 2020

## Third Announcement



**Gothenburg, Sweden  
20-22 April 2020**

*Optimisation in X-ray and Molecular Imaging 2020* will cover a wide area of research related to optimisation of medical imaging and is intended for a broad audience of medical physicists, radiologists, nuclear medicine physicians, engineers, radiographers and biomedical scientists, as well as representatives for authorities and manufacturers. The conference is the 5<sup>th</sup> in a series of scientific conferences focusing on optimisation of medical imaging, with special emphasis on image quality evaluation and radiological protection. Previous conferences have been held in Malmö, Sweden (1999, 2004, 2009) and Gothenburg (2015).

### Invited speakers:



**Göran Bergström, University of Gothenburg & Sahlgrenska University Hospital, Sweden**

*How can machine learning advance large population trials? – The Swedish CARdioPulmonary bioImage Study (SCAPIS)*



**Mika Kortensniemi, HUS Medical Imaging Center, University of Helsinki, Finland**

*From image quality to care outcome – Evolved optimisation process supported by AI/Deep Learning*



**Glenn Flux, Royal Marsden Hospital & Institute of Cancer Research, UK**

*Personalised treatment planning for molecular radiotherapy  
Part 1: The Good – Benefits and opportunities  
Part 2: The Bad – Risks and threats*



**Sophia Zackrisson, Lund University & Skåne University Hospital, Sweden**

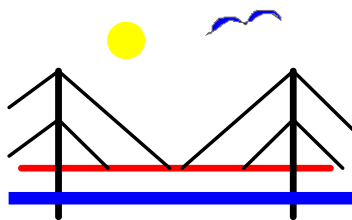
*Breast tomosynthesis in screening – From optimization to a large screening trial. 14 years of experience from Malmö, Sweden*

### Contributions in the following areas are welcome:

- Optimisation in radiology and nuclear medicine
- Assessment of clinical images and observer performance studies
- Recent technological developments and their clinical impact
- Patient dosimetry and reference doses/activities
- Occupational exposure
- Physical measurements and quality assurance programs
- Modelling procedures
- AI and Deep learning in medical imaging
- Image display, monitors and their environment
- Education and training

The conference will include a commercial exhibition.

**Submit your abstract at [www.oxmi2020.org](http://www.oxmi2020.org) now!**



## General information

### **Abstract Submission**

The deadline for abstracts is 2 December 2019. An abstract template can be found on the conference website. Notification of acceptance will be given before 31 January 2020.

### **Proceedings**

The proceedings of the conference will be published in Radiation Protection Dosimetry. Manuscripts must be submitted in English and comply with the "Instruction for Authors", which will be sent to the authors together with the notification of acceptance for presentation at the conference. Publication of the manuscripts will be subject to peer review.

### **Conference Venue**

Gothenburg is the second largest city in Sweden with about 500 000 inhabitants. It is located on the west coast of Sweden, well known for its beautiful archipelago, culinary attractions and strong industrial history.

The conference will be held at Conference Centre Wallenberg at University of Gothenburg, a modern, centrally located, and flexible multi-function venue for conferences, meetings and events. The Conference Centre Wallenberg is located close to Sahlgrenska University Hospital.

The international airport in Gothenburg is Göteborg Landvetter Airport (GOT).

### **Accommodation**

A list of hotels in different price ranges can be found on the conference website. You may reserve your accommodation when you register for the conference.

### **Conference Secretariat / Website**

Dughult of Sweden  
Gamla Almedalsvägen 29  
412 63 Gothenburg  
SWEDEN

Phone: +46 31 778 38 00  
E-mail: [info@oxmi2020.org](mailto:info@oxmi2020.org)  
Website: [www.oxmi2020.org](http://www.oxmi2020.org)

### **Registration**

The registration fee for the conference is 6000 SEK. The fee covers the scientific programme, proceedings, lunches, get-together party and conference dinner.

The registration form and registration fee must be received by 1 March 2020, by the conference secretariat. Late registration fee is 7500 SEK.

Full-time students, with an accompanying letter from their supervisor, may register at a special student fee, 4000 SEK.

Registration is available on the conference website. All prices are excl. of Swedish VAT at 25%.

### **Social Programme**

A get-together party will be held on Sunday 19 April 2020. The conference dinner is on Tuesday 21 April 2020.

### **Local Organizing Committee**

Jonny Hansson, chair  
Jennie Bengtsson, co-chair  
Charlotta Lundh, co-chair  
Magnus Båth  
Johanna Dalmo  
Emma Eliasson  
Jakobina Grétarsdóttir  
Maria Hulthenmo  
Jehangir Khan  
Maria Larsson  
Esmaeil Mehrara  
Maral Mirzai Beni  
Patrik Sund

Angelica Svalkvist  
Anne Thilander-Klang  
Eleonor Vestergren  
Barbro Vikhoff-Baaz

### **Scientific Committee**

Magnus Båth, Gothenburg, chair  
Peter Bernhardt, Gothenburg, co-chair  
Angelica Svalkvist, Gothenburg, co-chair  
Anja Almén, Stockholm  
Hilde Bosmans, Leuven, BE  
Jörgen Elgqvist, Gothenburg  
Mats Geijer, Gothenburg  
Christoph Hoeschen, Magdeburg, DE

Åse Johnsson, Gothenburg  
Charlotta Lundh, Gothenburg  
Sören Mattsson, Malmö  
Michael Moores, Liverpool, GB  
Lars Gunnar Månsson, Gothenburg  
Michael Sandborg, Linköping  
Anne Thilander-Klang, Gothenburg  
Anders Tingberg, Malmö  
Martijn van Essen, Gothenburg  
Francis Verdun, Lausanne, CH  
Eleonor Vestergren, Gothenburg

Others to be confirmed