


CONNECTING CANCER, HEART WITH PHOTOACOUSTICS

Advances in Ultrasound and Photoacoustic Research

From bench to bedside—let's bridge the translational gap using the Vevo platform and enjoy the beautiful Lund!

 [Lund University—Zoologihuset](#)
223 62 Lund, Sweden



Monday, April 8 at 13h30–18h
Tuesday, April 9 at 9h–13h

Agenda Overview

MONDAY, APRIL 8TH (13H30–18H)

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- 13:30 **Welcome Remarks**
Prof. David Gisselsson Nord - Vice Dean of the Medical Faculty, Lund University, Sweden
Greg Nesbitt - Vice President, Global High Frequency, FUJIFILM VisualSonic
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- 13:40 **Photoacoustic Imaging in Cancer**
Prof. Malin Malmström—Faculty of Medicine, Lund University, Lund, Sweden
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- 14:10 **Molecular Imaging in Oncology**
Prof. Moustapha Hassan—Transplantation Research Institute, Karolinska institute, Sweden
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- 14:30 **Decoding the Silent Language of Photoacoustic Imaging—
The Importance of Spectral Analysis**
Dr. Aboma Merdasa—Faculty of Medicine, Lund University, Lund, Sweden
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- 14:50 **Perfusion and Drug Delivery to Tumors**
Prof. Catharina de Lange Davies—Department of Physics, NTNU, Trondheim, Norway



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MONDAY, APRIL 8TH (13H30-18H)

15:10 **Title TBD (RegMed XP, diabetes/pancreas with PA)**
Prof. Paul Quax—Vascular Regeneration Medicine, LUMC, Leiden, The Netherlands

15:30 **Diabetic Cardiomyopathy and Pancreatic Cancer Assessed Using the Vevo System**
Dr. Madelene Ericsson—Section for Molecular Medicine, Umeå University, Sweden

Coffee Break (15:50-16:10)

Breakout Session #1 (16:10)

Group 1	Group 2	Group 3	Group 4
Vevo F2 LAZR-X Live Session: Lund Photoacoustic Imaging Center	Ultrasound Programming Made Easy	Oxygenation vs Spectral Unmixing	Advanced Data Analysis including AI

Breakout Session #2 (17:00)

Group 1	Group 2	Group 3	Group 4
Ultrasound Programming Made Easy	Vevo F2 LAZR-X Live Session: Lund Photoacoustic Imaging Center	Advanced Data Analysis including AI	Oxygenation vs Spectral Unmixing

Q&A and Round Table Discussion (17:50)

Finding the Exit—Networking Dinner (18:00)



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TUESDAY, APRIL 9TH (9H-13H)

9:00	Warm-up <i>Greg Nesbitt</i> —Vice President, Global High Frequency, FUJIFILM VisualSonics
9:10	Atherosclerotic Plaque Phenotyping using Photoacoustic Imaging <i>Dr. Margreet de Vries</i> —Leiden University Medical Center, Leiden, The Netherlands
9:30	Machine Learning in Photoacoustic Imaging <i>Dr. Victor Olariu</i> —Faculty of Science, Lund University, Lund, Sweden
9:50	Ultrasound Research with Vevo MD and Vevo F2 Systems— From Newborn Babies to Plaque Risk Assessment <i>Dr. Magnus Cinthio</i> —Faculty of Engineering, Lund University, Lund, Sweden
10:10	FUJIFILM VisualSonics Innovation Roadmap: Ultrasound, Photoacoustic and Beyond <i>Dr. Jithin Jose</i> —Global Market Leader, Photoacoustics, FUJIFILM VisualSonics

Coffee Break (10:30–10:50)

Breakout Session #3 (10:50)

Group 1	Group 2	Group 3	Group 4
Oxygenation vs Spectral Unmixing	Advanced Data Analysis including AI	Vevo F2 LAZR-X Live Session: Lund Photoacoustic Imaging Center	Ultrasound Programming Made Easy

Breakout Session #4 (11:40)

Group 1	Group 2	Group 3	Group 4
Advanced Data Analysis including AI	Oxygenation vs Spectral Unmixing	Ultrasound Programming Made Easy	Vevo F2 LAZR-X Live Session: Lund Photoacoustic Imaging Center

Q&A, Round Table Discussion and Closing (12:30)

With the support of :



Lund University
Medical Laser Centre



Eye clinic

(Kiosk-gatan 1)

Break-out sessions:

- Vevo F2 LAZR-X Live session
- Ultrasound Programming Made Easy

Forum Medicum

(Sölvegatan 21)

- Panel discussion 1
- Event & Dinner

LUX Aula

(Helgonavägen 3)

Main lecture hall

Panel discussion 2

Break-out sessions:

- Oxygenation vs spectral unmixing
- Advanced Data Analysis including AI