FUJIFILM | VISUALSONICS

5th Vevo® Cardiovascular Summer School

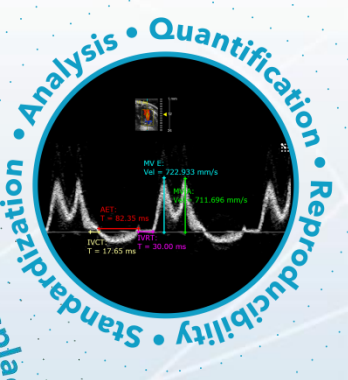
9-12th August, 2022

Standardizing Cardiovascular Imaging

Organizers:
Caroline O'Riordan, PhD (Fujifilm VisualSonics)
Peter Kesa, PhD (Fujifilm, VisualSonics)

Reasons to attend this event:

1. Discuss measurements for various cardiovascular disease models
2. Personal instruction from our skilled applications team
3. Quick start to competent imaging due to perfect balance between theoretical and hands-on learning
4. Full range of systems and accessories available
5. Fujifilm VisualSonics is proud to deliver a training certificate on your successful training session



The program includes:

- Focus on standardization and reproducibility of image acquisition and data analysis
- VevoLab analysis sessions

Location:
In Vivo Imaging Facility, Fujifilm VisualSonics
Joop Geesinkweg 140, Amsterdam, Netherlands

RESERVE YOUR SPOT
To register or for more info, contact Caroline O'Riordan (caroline.oriordan@fujifilm.com)

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Agenda

Day 1 Tuesday, 9th August 2022

13:30 – 14:30	**Welcome and Seminar** Cardiovascular ultrasound research: current options and future possibilities
14:30 – 16:30	**System Introduction – Cardiovascular imaging: demonstration & hands-on** • The Vevo system, animal handling station and acquisition software • Left ventricle: parasternal long axis and short axis in M-mode, B-mode, doppler modes, EKV, 4D ultrasound, apical 4 chamber (mitral valve flow and tissue doppler) • Right ventricle: RV free wall, tricuspid valve flow, TAPSE • Vascular imaging: aortic arch, pulmonary artery, coronary artery, carotid artery

Day 2 Wednesday, 10th August 2022

09:30– 10:30	**Vevo User Seminars: 5-10 min presentation of research** Talks from users focusing on results and questions include possible future projects (planned or questions on feasibility)
10:30 – 12:30	**General Cardiovascular Imaging** • Left ventricle: parasternal long axis and short axis in M-mode, B-mode, doppler modes, EKV, 4D ultrasound, apical 4 chamber (mitral valve flow and tissue doppler) • Right ventricle: RV free wall, tricuspid valve flow, TAPSE • Vascular imaging: aortic arch, pulmonary artery, coronary artery, carotid artery
12:30 – 13:30	**Lunch**
13:30 – 15:30	**Reproducible and Standardized Cardiovascular Imaging** • Left ventricle: parasternal long axis and short axis in M-mode, B-mode, doppler modes, EKV, 4D ultrasound, apical 4 chamber (mitral valve flow and tissue doppler) • Right ventricle: RV free wall, tricuspid valve flow, TAPSE • Vascular imaging: aortic arch, pulmonary artery, coronary artery, carotid artery
15:30 – 16:30	**Fundamental Cardiovascular Analysis Session** Importing previously acquired data into the offline analysis software. • Systolic and diastolic measurements

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Day 3 Thursday, 11th August 2022

09:30 – 12:30	**Reproducible and Standardized Cardiovascular Imaging** • Left ventricle: parasternal long axis and short axis in M-mode, B-mode, doppler modes, EKV, 4D ultrasound, apical 4 chamber (mitral valve flow and tissue doppler) • Right ventricle: RV free wall, tricuspid valve flow, TAPSE • Vascular imaging: aortic arch, pulmonary artery, coronary artery, carotid artery
12:00 -12:30	**Summary** • Questions and Answers
12:30 – 13:30	**Lunch**
13:30 – 15:30	**High-Throughput and Accurate Cardiovascular Imaging** • Left ventricle: parasternal long axis and short axis in M-mode, B-mode, doppler modes, EKV, 4D ultrasound, apical 4 chamber (mitral valve flow and tissue doppler) • Right ventricle: RV free wall, tricuspid valve flow, TAPSE • Vascular imaging: aortic arch, pulmonary artery, coronary artery, carotid artery
15:30 – 16:30	**Advanced Cardiac VevoLab Analysis Session** • Cardiac Strain • 4D analysis

Day 4 Friday, 12th August 2022

09:30 – 11:30	**High-Throughput and Accurate Cardiovascular Imaging** • Left ventricle: parasternal long axis and short axis in M-mode, B-mode, doppler modes, EKV, 4D ultrasound, apical 4 chamber (mitral valve flow and tissue doppler) • Right ventricle: RV free wall, tricuspid valve flow, TAPSE • Vascular imaging: aortic arch, pulmonary artery, coronary artery, carotid artery
11:30 – 12:30	**Advanced Vascular VevoLab Analysis Session** • Vascular Strain • Vascular Stiffness • Resistivity and Pulsatility index
12:30 – 13:00	**Summary and Feedback**