HIGH-RESOLUTION SMALL ANIMAL ULTRASOUND IMAGING

8-11 OCTOBER 2019
PARIS, FRANCE

Training overview

The purpose of this training session is to give each participant the key concepts and practice of high-resolution small animal ultrasound imaging in order to become an independent user

Who is the training for?

Biologists, from technician to researcher, in particular in the fields of cardiology, cancerology, developmental biology ; MDs and physicists

Entry requirements

No specific entry requirements are necessary to attend this training session

Training objectives

- Understand the principles of ultrasound images acquisition and processing
- Acquire ultrasound images autonomously
- Interpret ultrasound data autonomously
- Apply the concepts of US imaging to development, cardiology, hemodynamics, ...
- Get familiar with current technological evolutions

Duration 28 hours (4 days)
Location Hôpital Cochin, Paris, France
Groups limited to 9 trainees

Registration deadline September 13, 2019

Registration fees
Student: 980 €
Academic: 1950 €
Industrial: 2980 €

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Please contact us for more information on this course.

Image: © PIV, Institut Cochin - 12 days mouse embryo

Course content

Lectures
- Introduction to ultrasound imaging : parameters, fine-tuning
- Echocardiography
- Hemodynamics
- Advanced ultrasound imaging (contrast ultrasound, elastography, ...)

Hands-on
- Gestation/development
- Echocardiography
- Abdominal anatomy and tumors
- Hemodynamics
- Data analysis

Demonstrations
- Embryo micro-guided injection
- Contrast ultrasound

Why take this training?

- ✓ Most of the time reserved for practical work (21h – 75%)
- ✓ Teaching packages in small groups (max. 3p/group)
- ✓ Up to 2 ECTS could be given to the course participants by their home University