

LE STUDIUM®

# CONFERENCES

Le TOURS de MicroBulles :

## Targeted Ultrasound Contrast Imaging and Drug Delivery



19 May - 20 May  
2014

LE STUDIUM®

La Halle aux Draps, 37000 Tours - France

### CONVENORS

**Dr. Charles SENNOGA**

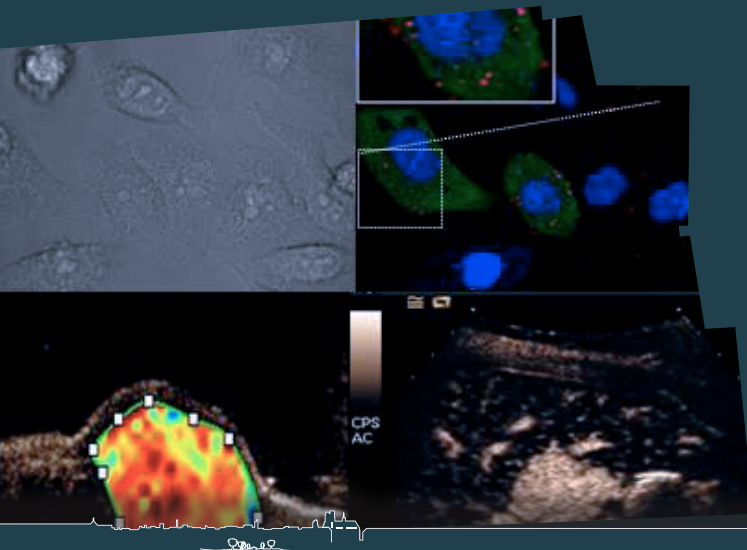
LE STUDIUM® RESEARCH FELLOW  
on leave from Imperial College London,  
in residence at INSERM U930: Imagerie  
et Cerveau, University François-Rabe-  
lais, Tours, France

**Dr. Ayache BOUAKAZ**

Director of Research at INSERM,  
INSERM U930: Imagerie et Cerveau,  
University François-Rabelais, Tours,  
France

### PROGRAM - REGISTRATION

conference@lestudium-ias.fr  
www.lestudium-ias.com



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Loire Valley  
Institute for Advanced Studies



## INVITED SPEAKERS

### Professor Michael Averkiou

University of Cyprus, Nicosia, Cyprus

### Dr. Lori Bridal

Université Pierre et Marie Curie, Paris, France

### Dr. Mathew Bruce

Supersonix Imagine, Aix-en-Provence, France

### Professor Peter Burns

Sunnybrook Health Sciences Centre, University of Toronto, Toronto, Canada

### Olivier Couture

ESPCI Paris, France

### Professor Nico de Jong

Biomedical Engineering Dept., Erasmus University, Rotterdam, The Netherlands

### Dr. Alexander Doinikov

INSERM U930, University François-Rabelais, Tours, France

### Professor Kullervo Hynynen

Sunnybrook Health Sciences Centre, University of Toronto, Toronto, Canada

### Professor Eitan Kimmel

Technion-Israel Institute of Technology, Haifa, Israel

### Dr. Cyril Lafon

INSERM LabTAU U1032, Lyon, France

### Professor Edward Leen

Imperial College London NHS Trust, London, United Kingdom

### Dr. Ine Lentacker

University of Ghent, Ghent, Belgium

### Massimo Mischi

University Eindhoven, The Netherlands

### Professor Christ Moonen

University Medical Center, Utrecht, The Netherlands

### Dr. Frédéric Padilla

Inserm, Lyon, France

### Dr. Charles Sennoga, LE STUDIUM® FELLOW

INSERM U930, University François-Rabelais, Tours, France

### Dr. Charles Sio

Philips Medical Research, Eindhoven, The Netherlands

### Professor François Tranquart

Bracco Suisse SA, Geneva, Switzerland

### Philippe Trochet

Visualsonics, Canada

## ABOUT THE CONFERENCE

Le TOURS de MicroBulles Conference aims to shine light on current and emerging research trends for ultrasound contrast imaging and therapy by providing a platform for discussion with a peloton of internationally acknowledged leaders.

Ultrasound contrast agents are micron-sized gas bubbles encapsulated by a thin biocompatible shell and are typically the same size as the red blood cells. These microbubbles are usually injected into the bloodstream of patients and act to increase the scattered ultrasound signals, making the blood vessels appear more clearly for improved ultrasound diagnosis. Although microbubbles were originally developed simply to improve conventional ultrasound imaging, they showed great diagnostic potential, and their capabilities now extend far beyond imaging. Microbubbles have been designed to carry drugs, which can be released on demand upon excitation with ultrasound. They have been targeted to specific sites in the human body by incorporating ligands into their shells, which will allow clinicians to noninvasively monitor disease progression before symptoms appear. Finally, co-administration of microbubbles and drugs has been shown to trigger synergistic therapeutic effects under specific ultrasound excitations. These capabilities provide possibilities for superior imaging, targeted therapy and localized drug delivery.



## PUBLIC LECTURE

50 Years of Ultrasound by Léandre Pourcelot

## REGISTRATION AND CONTACT

Registration are now open. Early bird rates expire by 30th April 2014.

To join the conference please log on to LE STUDIUM® website : [lestudium-ias.com](http://lestudium-ias.com) and email your registration form to [conference@lestudium-ias.fr](mailto:conference@lestudium-ias.fr).

Registration are open till May 12th, 2014.