

# HealthTech Day 2022

Join us and seize this opportunity to initiate interdisciplinary collaborations with other HealthTech members. The scientific program includes several conferences, a session for PhD students, opportunities to network and two plenary lectures.

## Keynote speakers:



Prof. Ferdinando Rodriguez y Baena  
Imperial College London



Prof. Sylvain Gioux  
Intuitive Surgical



**Registration requested**

December 12<sup>th</sup> 2022



9:00 AM – 4:00 PM



Illkirch Campus



# HealthTech Day 2022



Monday, December 12<sup>th</sup>



Illkirch Campus, Lecture hall A207

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## 09:00 Introductory words & HealthTech activity report

Prof. B. Bayle, University of Strasbourg

## 09:20 Plenary conference – “An overview of the Hamlyn Centre and mechatronics in medicine laboratory”

Prof. F. Rodriguez y Baena, Imperial College, Hamlyn Centre, London, UK

## 10:10 Scientific lectures #1

- “Biomechanics of breast implants: prevention of aging and early rupture”  
Prof. N. Bahlouli, University of Strasbourg & Dr S. Chatelin, CNRS Research Scientist
- “Self-supervised approaches for human pose estimation in the operating room”  
Dr V. Srivastav, IHU Strasbourg & University of Strasbourg
- “Fully non-contact optical elastography using digital holography”  
Dr A. Nahas, University of Strasbourg

## 11:25 COFFEE BREAK

## 11:50 Young researcher session

- “Autonomous endovascular guidewire navigation” – V. Scarponi
- “The implementation of a management tool in a highly innovative organization in the medical sector: impact on creativity teams / Case of IHU Strasbourg” – L. Leydinger
- “Real-time unsupervised domain adaptation for FIB-SEM cell segmentation” – A. Stenger
- “Latent graph representations for automated critical view of safety assessment” – A. Murali

## 12:50 LUNCH BUFFET

## 14:00 Plenary conference – “Improving surgical vision during minimally invasive procedures”

Prof. S. Gioux, Intuitive Surgical

## 14:50 Scientific lectures #2

- “Robot-assisted focused ultrasound therapy for localized drug delivery in the brain”  
Dr J. Vappou, CNRS Research Scientist & A. Saood, University of Strasbourg
- “Image-guided liver needle-based procedures: current challenges, and future perspectives”  
Dr J. Verde, IHU Strasbourg & Dr A. Garcia, IHU Strasbourg
- “Percutaneous cementoplasty in pelvic oncology”  
Prof. J. Garnon, Strasbourg University Hospital & C. Sieffert, University of Strasbourg

## 16:05 Young researcher presentation prize attribution and closing remarks