

IDEX 2016 – Call for PhD



Optical coherence tomography (OCT) for guidance of robotized interventional endoscopy

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Optical Coherence Tomography

Allows early diagnosing of diseases based on microscopic imaging of the internal tissue structures using *a* near infrared light

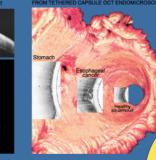


FUSION

Robotized Flexible Endoscopy

Allows a single operator to perform complex treatment by telemanipulating the endoscope and therapeutic instruments with joysticks









Early detection and minimally invasive treatment of the digestive cancer

Optomechatronics

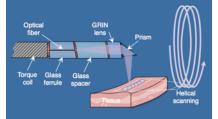
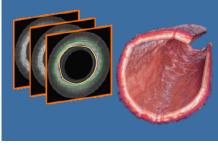


Image Processing & Reconstruction



Visual servoing



Clinical translation & Medical devices







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To be eligible, the candidate must fulfill the following criteria:

- To hold a MASTER diploma from a foreign university or to have enrolled in a MASTER program at the University of Strasbourg in order to register in doctoral studies, after completion of a complete bachelor's degree course in a university abroad ;
- Research process undergoing in a Research Unit of the site "Alsace".

The pre-selection application file must contain :

- Detailed CV with a list of publications (if any)
- One page motivation letter

Pre-selection process:

- Please send the application before May 10, 2016 to: michalina.gora@icube.unistra.fr
- Selected candidates will be contacted and scheduled for a phone/skype interview.

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