

Researcher in surgical robotics and devices (1 position) – PhD Student

Description

The main task of the job is to contribute to the development of the IMPROVE surgical robotic devices and integrate these results in scientific papers. Specifically, the IMPROVE project aims to develop an integrated system that will enable a stepwise procedure starting from the accurate diagnosis of hepatic tumours based on imagistic-molecular protocols, continuing with the pre-planning of the surgical procedure and finally to the surgical procedure itself that will be developed using an innovative robotic device equipped with specialized tools that will enable the local intraoperative treatment of the tumours using different techniques.

Keywords: medical robots, robotic assisted minimally invasive surgery

Candidate profile

Candidate has graduated the first two University educational cycles; bachelor and master or has equivalent master studies.

Candidate should be interested in the enrolment in a PhD programme in surgical robotics.

Candidate should have average knowledge in mechanical design and physics.

Candidate should have extensive knowledge in CAD design and simulation.

Candidate should be highly motivated to work in an interdisciplinary group.

Candidate should have extended English knowledge.

Candidate should have good practical skills.

Candidate should have good communication skills.