

PIETRO MASCAGNI

EDUCATION

November 2018 – Present

PhD candidate, Catholic University of Sacred Heart, Rome, Italy

- “Surgical Data Science for safe laparoscopic cholecystectomy”, co-tutored by Prof. Guido Costamagna (Catholic University of Sacred Heart, Rome, Italy) and Prof. Nicolas Padoy (University of Strasbourg, France)
- Visiting researcher at CAMMA, ICube, University of Strasbourg, France
- “Applied Data Science Specialization”, IBM, Coursera

September 2018 – July 2019

Surgical Endoscopy University Diploma (i.e. Master), IHU-Strasbourg, France

December 2017 – October 2018

Research Fellow in Minimally Invasive Surgery and Surgical Innovation, IRCAD/IHU-Strasbourg, France

2017-2018

II level Master in Coloproctology, Sapienza University of Rome, Italy

February 2017

I level Master, Italian Society of Hernia and Abdominal Wall Surgery (ISHAWS)

2010-2016

Bachelor of Medicine, Bachelor of Surgery (MBBS), Sapienza University of Rome, Italy

- Graduated scoring 110/110 Cum Laude
- Completed all exams with an average mark of 29.64/30
- Member of “Percorso di Eccellenza”, an honor class focusing on translational research offered to a very restricted selection of students
- Received 5 scholarships for academic merits
- 6 months Erasmus program at Hospital Clínic, Universitat de Barcelona, Spain
- 2 months Erasmus+ Traineeship, Chirurgie Digestive, Hôpitaux Universitaires de Strasbourg, France
- 1 month-long Clerkships in: Plastic Surgery (Soochow, China), General Surgery (Chihuahua, Mexico) and Cardiovascular Surgery (Kazan, Russia)

PROFESSIONAL EXPERIENCES

January 2019 - Present

Hands-on lab trainer at IRCAD /IHU-Strasbourg, France

Laparoscopic General Surgery Intensive Course, Flexible Endoscopy for Surgeons, Surgical Endoscopy University Diploma, Bariatric Endoscopy Masterclass

January 2019 - Present

Certified trainer, da Vinci System, Intuitive Surgical, Strasbourg, France

December 2017 - Present

Project Manager and Faculty at Business Engineering and Surgical Technologies (BEST), IRCAD/IHU-Strasbourg, France

- Responsible of communication, applicants' selection and course organization
- Winner of BEST Innovation Course in 2017, Strasbourg, France

August 2017 - Present

Coordinator of "GLORIA: gastroesophageal reflux application"

- R&D to develop a wearable capable of monitoring gastroesophageal reflux disease and other functional gastrointestinal disorders of infants
- Incubated by the Pediatric Device Committee (PDC), Prof. James Wall, Stanford Byers Center for Biodesign, Stanford University, California, USA

March-April 2015

Intern, HPB unit, Prof. Juan C. García-Valdecasas, Hospital Clínic, Barcelona, Spain

March-April 2014

Medical Elective in General Surgery, UCL Hospital, London, UK

- I attended the Gastroenterology & General Surgery rotation of the 4th year UCL medical students. I shadowed under the supervision of Mr. Alastair Windsor and Mr. Andrew Jenkinson

SCIENTIFIC EXPERIENCES

[PubMed indexed publications](#)

Invited lectures:

- “CONDOR: Connected Optimize Network & Data in Operating Rooms”, Surgical Data Science II International Workshop, June 2019, Rennes, France
- “Artificial Intelligence in Surgery”, BEST Strasbourg 2019, Prof. Silvana Perretta, IHU-Strasbourg, France
- “Bile duct injury prevention: a surgical-technical journey towards safer laparoscopic cholecystectomy”, Hepato-Biliary-Pancreatic Interuniversity Diploma 2019, Prof. Patrick Pessaux, IHU-Strasbourg, France
- “Training and technologies to enhance flexible endoscopy” Surgical Endoscopy University Diploma 2019, Prof. Silvana Perretta, IHU-Strasbourg, France

Book chapters:

1. Deepak Alapatt and Pietro Mascagni, Vinkle Srivastav, Nicolas Padoy “Neural networks and deep learning” in “Artificial Intelligence in Surgery: AI application for Surgeons” by Daniel A. Hashimoto. Mc Graw Hill 2021
2. Pietro Mascagni, Barbara Seeliger, Bernard Dallemagne “Bile duct injury in laparoscopic cholecystectomy”. PROACI, 2021
3. Marco Gallinella Muzi, Agnese Cianfarani and Pietro Mascagni. “Ernie rare” in “Chirurgia Generale” by Francesco Minni, pp. 38-39. CEA casa editrice Ambrosiana, 2019
4. Marco Gallinella Muzi, Agnese Cianfarani, Claudia Mosconi, Marco Colella and Pietro Mascagni. "Self-Gripping Mesh Repair in Primary Inguinal Hernia." In “The Art of Hernia Surgery” by Giampiero Campanelli, pp. 271-283. Springer, Cham, 2018

Research grants:

- Innovation grant for “Image Analysis Based Intraoperative Time-Out (ABITO): An automated safety check for cholecystectomy”. Co-PI with Prof. Nicolas Padoy and Prof. Bernard Dallemagne. IHU-Strasbourg, France
- Travel grant, United European Gastroenterology (EUG) Week 2018
- Feasibility grant for “Simulation-based curriculum to prepare for the Fundamental of Endoscopic Surgery (FES) manual skills test: a randomized study comparing an analogic vs. virtual reality training platforms”. Co-PI with Prof. Silvana Perretta. IHU-Strasbourg, France
- EAES Research Grant 2018 for “Image Analysis Based Intraoperative Time-Out (ABITO): An automated safety check for cholecystectomy”. Co-PI with Prof. Nicolas Padoy
- Feasibility grant for “Image Analysis Based Intraoperative Time-Out (ABITO): An automated safety check for cholecystectomy”. Co-PI with Prof. Nicolas Padoy. IHU-Strasbourg, France

VOLUNTARY AND OTHER EXPERIENCES

April 2013 - June 2015

Beelief

- Founder and President of Beelief, a student-led non-profit aimed at fostering students' participation in activities of social values

September 2012 – June 2015

Segretariato Italiano Studenti di Medicina (SISM), Rome, Italy

- Sapienza University of Rome local committee

June 2013 - November 2015

Student representative, Faculty of Medicine and Dentistry Council, Sapienza University of Rome, Italy

- Elected to advocate for the internationalization of medical curriculums

July - August 2013

Medical volunteer, Nkoaranga Lutheran Hospital, Arusha, Tanzania

September 2011 - December 2012

Project Manager, Tinap for Peace and Development Organization (TIPDO), Sierra Leone

- Responsible of health development
- Kunsho Community Health Center project coordinator

LANGUAGES

Italian: mother tongue

English: C2, IELTS Academic overall score of 8/9

Spanish: C1, DELE

French: B1
