## PERSONAL INFORMATION:

Name and Surname: Andrea Cafarelli, Birthdate:

Citizenship: Italian

Current position: Assistant Professor - RTDA (from July 1, 2022) at the BioRobotics Institute of Scuola Superiore Sant'Anna (SSSA within the "Regenerative Technologies" Lab

E-Mail: andrea.cafarelli@santannapisa.it,

Google Scholar Profile: <u>https://scholar.google.com/citations?user=2QQUJ7wAAAAJ&hl=it&oi=ao</u>

### **EMPLOYMENT HISTORY** :

- 07/2023-present: Assistant Professor (RTDA) at the "*Regenerative Technologies Lab*", The BioRobotics Institute, Scuola Superiore Sant'Anna (Pisa, Italy);
- 10/2020 06/2022: Postdoctoral fellow (assegno di ricerca ING-IND/34) at the "*Regenerative Technologies Lab*", The BioRobotics Institute, Scuola Superiore Sant'Anna (Pisa, Italy);
- 09/2019 09/2020: Freelance activity at the "*Micro-nano-bio systems and targeted therapies lab*", The BioRobotics Institute, Scuola Superiore Sant'Anna (Pisa, Italy);
- 06/2019 08/2020: Co-founder and Chief Technology Officer (CTO) of *River Global Scientific Lab*, Spin-off company of Scuola Superiore Sant'Anna (Pisa, Italy);
- 06/2017 06/2019: Postdoctoral fellow (assegno di ricerca ING-IND/34), at the "Surgical Robotics and Allied *Technologies Area*", The BioRobotics Institute, Scuola Superiore Sant'Anna (Pisa, Italy);

# **EDUCATION**

- 11/2013 06/2017: Ph.D in BioRobotics (100/100 cum laude), at the Scuola Superiore di Studi Universitari e Perfezionamento Sant'Anna, (Pisa, Italy). Ph.D. Thesis entitled "Controlled ultrasound exposure for innovative therapeutic applications";
- 10/2010 07/2013: M.Sc. Degree (Laurea Magistrale) in Biomedical Engineering, "Industrial" curriculum (110/110 cum laude), at University of Pisa (Italy);
- 10/2007 12/2010: B.Sc. Degree (Laurea Triennale) in Biomedical Engineering, "Industrial" curriculum" (110/110 cum laude), at University of Pisa (Italy), with additional Certificate of "Excellence courses";
- 09/2002 07/2007: High School Degree (100/100 cum laude) at the Scientific Lyceum "G. Marconi", Carrara (Italy)

### TRACK RECORD:

Source: Scopus - no. of articles: 34, no.of citations: 485, H-index: 11

### TECHNOLOGY TRANSFER ACTIVITIES:

I am co-founder of two spin-off companies which develop ultrasound technologies: *River Global Scientific Lab srl* and *MyEcho srl*. I am also author of 4 patents.

### **RESPONSIBILITIES IN RESEARCH PROJECTS:**

Long-standing experience in International and National projects (proposals writing, technical tasks, reports and deliverables writing,): **REBORN**, funded by EC, G.A. n. 101091852, **MIO-PRO**, funded by INAIL. G.A. n. PR19-CR-P1., **ImmUniverse**, funded by EC, G.A. n. 853935., **ADMAIORA**, funded by EC, G.A. n. 814413, **FUTURA**, funded by EC, G.A. n. 611963, **WOUND** funded by INAIL. PR23-CR-P2.

### TEACHING AND SUPERVISION ACTIVITY:

I served as a teaching assistant for the course of "Robotics for surgery and targeted therapy" (M.Sc. in Bionics Engineering, jointly offered by the University of Pisa and SSSA), and for the didactic activity on photonics and biomaterials (Università degli Studi Aldo Moro, Bari, I supervised or co-supervised 5 PhD students, 8 M.Sc. or B.Sc. students and 2 international internees.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use the data provided in this CV.

Pisa, 29/04/2024