

Bernardo Petoichi

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EDUCATION

Università Vita-Salute San Raffaele

Doctor of Dental Medicine

- GPA: 29.1/30.0 (class rank: 1st)

International School of Florence

International Baccalaureate Diploma

Milan, Italy

Sep 2022 - Jun 2028

Florence, Italy

Sep 2017 - Jul 2022

RESEARCH & PROFESSIONAL EXPERIENCE

Harvard University, Harvard School of Dental Medicine - ORBIT Lab

Visiting Graduate Student

Boston, USA

July 2026 - Sep 2026

- Researcher in Dr. David Wu's ORBIT lab, developing an oral mucosa organ-on-chip construct to model tissue regeneration, aging, and exposure to pathogenic substances. Performing tissue culture (keratinocytes, fibroblasts), molecular biology (nucleic acid extraction, viability assays, qPCR), immunofluorescence staining and imaging, multimodal data analysis, literature review and manuscript writing. Received offer to return next year.

Nicola Paoleschi Dental Clinics

Marketing Strategy Lead

Italy

March 2026 - present

- Leading marketing strategy rebuild for a 20-practice dental chain (locations across Tuscany + Liguria regions; +100k patients). Defining positioning, channel strategy, agency evaluation and selection. Designed a new website and digital/social rollout.

Columbia University, Columbia Center for Translational Immunology - Muranski Lab

Research Intern; Supervisor: Prabesh Khatiwanda, PhD (Postdoctoral Researcher)

New York City, United States

Aug 2025 - Sep 2025

- Evaluated Th17 and Th1 CD4⁺ T cell phenotypes in solid tumor immunotherapy; isolated PBMCs from patient blood; maintained CD4⁺ T cell lines, and prepared samples for flow cytometry. Conducted preliminary literature review on solid organ transplant rejection in SARS-CoV-2 patients.

Impact Consulting Milan

Head of Operations and Board Member

Milan, Italy

Feb 2023 - Sep 2024

- Led multiple teams (25+ members, student-run) across consulting projects for startups (including *Datapizza*, AI deployment company; €10M Series A in 2026), spanning market research, industry analysis and business development initiatives. Led recruitment and talent acquisition.
- Promoted after working 10 months as consultant from February 2023 to December 2023 (fastest promotion to board of directors in club history).

San Raffaele Hospital

Research Intern - Dellabona & Casorati Lab, Experimental Immunology Unit

Milan, Italy

Mar 2025 - Jul 2025

- Supported development of a dual CAR-T construct; performed cell culture (CD8⁺ T cells), set-up for ELISA assays, and immunofluorescence staining.

Research Intern - Martino Lab, Institute of Experimental Neurology

Sep 2023 - Feb 2025

- Performed cell culture (osteosarcoma), cryostat histological sample prep, RNA isolation, qPCR, gel electrophoresis, and immunofluorescence staining.

Cambridge University, Cambridge Institute of Medical Research - Griffiths Lab

Research Intern

Cambridge, United Kingdom

Sep 2024

- Performed MXS chaining and molecular cloning to assemble polycistronic plasmids for live-imaging of CD8⁺ T cells (plasmid design by PhD supervisor), and validated cloning workflow through successful sequencing verification.
- Executed complete molecular cloning workflow: digestion, gel electrophoresis, DNA extraction and purification, ligation reactions, bacterial transformation, and miniprep/maxiprep plasmid preparations for T cell nucleofection.

AWARDS, VOLUNTEERING & EXTRACURRICULAR EXPERIENCE

Awards:

- Nova 111 list (2026). Selected as one of the top 10 Italian students in the Healthcare & Bio Sciences sector.
- Speaker, Milano Longevity Summit (2026). Selected as youth speaker on the role of oral health as an undervalued lever in longevity and global health.
- Null Fellows (2026). Selected as one of 30 fellows from 3,000+ applicants (<1%) for a fellowship that connects young builders, founders and startups.
- Baby VC Fellow (2026). Milan cohort of a European VC bootcamp (sourcing, due diligence, deal structuring).
- Poster presentation (first author): "*Cardiovascular safety of local anesthetics in oral surgery.*" CDUO annual congress, Ancona (June 2026).
- Competitive sailing: Silver medal, Italian national championship under-18 (555-FIV sailboat); 1st place, line honors, regatta *151 Miglia* (1/218 boats).
- Competitive rowing: 7th place Italian national championship under-18; 2nd place Tuscany regional championship (8-person boat).

Projects:

- Built workflow + analysis pipelines for biomedical research (e.g. qPCR, tissue culture) used during work at Harvard and adopted by the lab into SOPs.
- Built health-coaching app that integrates wearable data for personalized plans + real-time updates (LLM API integration with two-tier model routing).
- Ran independent survey on AI adoption and usage modalities across medical/biotechnology students (~600 responses), and characterized results.

Volunteering:

- Cornell University Oral & Maxillofacial Surgery residency program observership at Weill Cornell Medical Center/NY Presbyterian (2025).
- Volunteer for Italian Red Cross, delivering food supplies and assisting patient transport to dialysis centers (2018 - 2022).
- Writer for *The Florentine*, international journal with ~1.5 million yearly readers (2022). Also won ~200 participant creative writing competition (2021).

International School of Florence: • *Student Representative on Board of Directors:* pioneered the role as the first-ever student representative on the school board. • *Editor in Chief, Tuscan Times:* Led 35+ staff of student-run newspaper. During 2-year leadership, monthly reads increased 600% from 500 to 3500.

LANGUAGES, EXAMS & INTERESTS

Languages: English (native) • Italian (native) • French (proficient: passed B1 DELF exam)

Exams: ACT: 35/36

Interests: Running marathons • Ski touring • Poetry • Writing • Chess