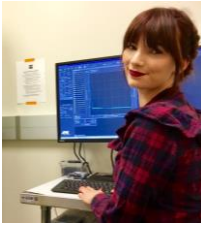


PERSONAL INFORMATION

**Ilaria Pecorari**

📍 Via Adelaide Ristori 31/4, 34170 Gorizia, Italy

☎ +39 346 4201876

✉ ilaria.pecorari@phd.units.it

Sex Female | Date of birth (DD/MM/YYYY) 08/11/1988 | Nationality Italian

EDUCATION AND TRAINING

November 2015 -present

Graduate School (PhD)

PhD Course of Nanotechnology – University of Trieste

- PhD project: *Characterization of the mechanical properties of cells with genetic modifications*

J-1 VISA – Exchange visitor program – Research scholar (October 2017 – May 2018)

School of Medicine, Division of Cardiology, University of Colorado Denver (Aurora, US)

- Cell culture, cell behavior characterization, interactions between cells and different substrates, adenoviral vectors, immunoblotting, microscopy, atomic force microscopy on living cells

J-1 VISA – Exchange visitor program – Research scholar (June 2017 – October 2017)

UTHealth, Center for Cardiovascular Genetics (Houston, US)

- Investigation of the response of cell cultures to uniaxial stretch, interactions between cells and different substrates, microscopy

Erasmus + Traineeship (March 2016 – August 2016)

Institute for Biophysics, Department of Nanotechnology, BOKU (Vienna, AT)

- Cell culture, cell adhesion and antifouling experiments, atomic force microscopy on living cells, paper writing, paper reviewing, seminar presentation

2011-2014

Master's Degree in Clinical Engineering

University of Trieste

- Thesis Title: *'Proposal of a reference standard for the achievement of clinical laboratories in Africa: an interdisciplinary perspective on innovative and sustainable technological solutions'*

2007-2010

Bachelor's Degree in Electronic Engineering

University of Trieste

- Thesis Title: *'Evaluating mechanical properties of cells with atomic force microscopy'*

WORK EXPERIENCE

October 2014 – September 2015

Safety Engineer

Intertek Italia S.p.A. (Campoformido (UD), IT)

- Certification of safety and performances of electrical products, household and professional, in accordance with national and international Standards (IEC, UL, CSA, SASO, etc.)

April 2014 – September 2014

Internship

Intertek Italia S.p.A. (Campoformido (UD), IT)

- Certification of safety and performances of electrical products, household and professional, in accordance with national and international Standards (IEC, UL, CSA, etc.)

- March 2013 – December 2013 **Tutor**
 Department of Engineering and Architecture – University of Trieste

 - Tutoring students, supporting teachers during entrance exams and other activities, website update
- August 2013 **Internship**
 Elettronica Biomedicale s.r.l. (Trieste, IT)

 - Evaluation, scheduling and optimisation of technical interventions on laboratory equipment
- March 2013 – August 2013 **Professional partnership**
 Department of Engineering and Architecture – University of Trieste
- December 2011 – January 2012 **Work under an independent contractor agreement**
 Department of Industrial Engineering and Information Technology – University of Trieste
- January 2011 – November 2011 **Professional partnership**
 Department of Industrial Engineering and Information Technology – University of Trieste

 - Assessment of mechanical properties of living cells with atomic force microscopy; development of a conditioning device coupled with atomic force microscope
- July 2010 – December 2010 **Internship**
 Department of Industrial Engineering and Information Technology – University of Trieste

 - Assessment of cells' mechanical properties with atomic force microscopy, cell culture

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English (<i>autocertification</i>)	C1	C1	C1	C1	C1

Communication skills

- Teamwork: I worked with various types of team, in both research and company settings. I laid the foundations for the partnership between my research group and BOKU University in Vienna (AT).
- Intercultural skills: I am used to work in an international environment. I lived in Austria for 6 months and in US for almost 1 year. I like to be in contact with different cultures, sharing experiences and backgrounds.
- Multidisciplinary skills: I successfully collaborated with scientists having different backgrounds (biologists, physicists, engineers, medical doctors, etc.) since I strongly believe that a multidisciplinary approach is crucial to address most questions.

Organisational / managerial skills

- Independence and self-management: during my PhD I learned to work independently, plan and perform experiments.
- Management by objectives: I am used to work in a deadline-oriented environment. I am also able to focus on quality and economical objectives thanks to my experience at Intertek Italia S.p.A.
- Excellent coping skills.

Job-related skills

- Good practice at using electronical instrumentation such as oscilloscopes, multimeters, power meters, data acquisition units gained through my experience at Intertek Italia S.p.A.
- I can work independently and efficiently with sophisticated equipment, e.g. atomic force microscope.

- Computer skills**
- Excellent command of Microsoft Office™ tools
 - Good command of C++
 - Sufficient command of Matlab®
 - Good command of R
 - Good command of ImageJ
 - Good command of Origin® and GraphPad Prism
- Other skills**
- I played the piano for eight years
 - I like to organize and take part to events for communicating science to a general audience (e.g. Contestant in final round of “FameLab-Trieste”, February 22, 2017, Trieste (IT); volunteering at TriesteNext, September 2018)
- Driving licence**
- Italian driving licence type B

ADDITIONAL INFORMATION

- Publications**
- **Pecorari I.**, Codan B., Martinelli V., Maggiolino S., Fior R., Sbaizero O., “Mechanical properties of 3T3 fibroblasts due to fixation assessed using atomic force microscopy” (2011) Proceedings of NanotechItaly 2011 – Venice, 23 – 25 November 2011, ISBN 978-88-6140-119-8. (peer review).
 - Cortese A., **Pecorari I.**, Musi R., Putoto G., Nunziata E., “Standardization of clinical laboratories in Africa: a multidisciplinary approach to innovative and sustainable technical solutions” Proceedings of Appropriate Healthcare Technologies for Low Resource Settings (AHT 2014), London (UK) September 17-18, 2014. (peer review).
 - Putoto G., Cortese A., **Pecorari I.**, Musi R., Nunziata E., “Harmonization of clinical laboratories in Africa: a multidisciplinary approach to identify innovative and sustainable technical solutions”, *Diagnosis*. Volume 2, Issue 2, Pages 129–135, DOI: 10.1515/dx-2014-0071, June 2015.
 - Moreno-Cencerrado A., Iturri J., **Pecorari I.**, Vivanco M.D.M., Sbaizero O., Toca-Herrera J.L., “Investigating Cell-Substrate and Cell–Cell Interactions by Means of Single-Cell-Probe Force Spectroscopy”, *Microscopy Research and Technique*. Volume 80, Issue 1, Pages 124–130, DOI: 10.1002/jemt.22706, January 2017 (Epub June 25, 2016).
 - **Pecorari I.**, Puzzi L., Sbaizero O., “Atomic force microscopy and lamins: A review study towards future, combined investigations”, *Microscopy Research and Technique*. Volume 80, Issue 1, Pages 97-108, DOI: 10.1002/jemt.22801, January 2017 (Epub November 17, 2016).
 - Borin D., **Pecorari I.**, Pena B., Sbaizero O., “Novel insights into cardiomyocytes provided by atomic force microscopy”, *Seminars in Cell and Developmental Biology*. Volume 73, Pages 4-12, DOI: 10.1016/j.semcdb.2017.07.003, January 2018 (Epub July 4, 2017) (shared co-authorship).
 - **Pecorari I.**, Borin D., Sbaizero O., “A perspective on the experimental techniques for studying lamins”, *Cells*. Volume 6, Issue 4, 33, DOI: 10.3390/cells6040033, October 2017 (shared co-authorship).
 - **Pecorari I.**, Chen S.N., Mestroni L., Taylor M., Sbaizero O., “Biomechanical characterization of cardiac fibroblasts in an *in vitro* progeria model”, *NanoInnovation* 2018, Rome (IT), September 11-14, 2018 (Poster and oral communication).
- Seminars and Workshops**
- INSTM, XVII Scuola nazionale di scienza dei materiali (September 26-30, 2011): “Governare la complessità dei materiali: sistemi ibrido-funzionali e biomimetici”.
 - “NMBS 2015” workshop, “New synchrotron radiation and optical techniques for nanoscale microscopy of biological systems: from single molecules to cells”, Trieste (IT), December 9-10, 2015.
 - BioBash Essentials workshop, Ljubljana (SLO), February 15-19, 2016: “Bioinformatics, including Linux, NGS and Python basics”.
 - “Training in Entrepreneurship, Innovation and Technology Transfer”, Trieste (IT), February 13-15, 2017.
 - CEI Cooperation Activity VII Spring School on “ICT, economical and organizational issues for e-health integration in the enlarged Europe”, Koper (SLO), May 22-24, 2017.
 - “Introduction to laboratory animal science”, Center for laboratory animal medicine and care, UTHealth Health Science Center, Houston (Texas, US), June 26, 2017.
 - “Practical research methodology – mice and rats”, Center for laboratory animal medicine and care, UTHealth Health Science Center, Houston (Texas, US), June 28, 2017.
- Awards**
- “Fernando Tommasini Award” for the most comprehensible talk, PhD Course in Nanotechnology, Trieste (IT), January 25, 2018.

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorise you to use and process the personal data contained in this document.

Ilaria Pecorari