

Elisa Araldi

Personal information

Phone number	
Email	
Nationality	Italian
Current Affiliation	ETH Zurich (Switzerland)
Host Institution for ECF proposal	University of Parma

Research interests

- Cholesterol biosynthesis intermediates
- Genomics and health data science
- Novel signalling pathways

Education

Date	Degree and University
July 2015	PhD in Pathobiology and Translational Medicine <u>New York University (USA)</u> Grade: NA Thesis title: "Lanosterol modulates immune responses" Name of advisor: Prof. Yajaira Suarez and Prof. Carlos Fernandez-Hernando
July 2010	Masters Degree in Molecular and Cellular Biology <u>Scuola Normale Superiore (Italy)</u> Grade: 70/70 <i>cum laude</i> Thesis title: "Dual Action of pVHL in limb bud mesenchyme" Name of advisor: Prof. Ernestina Schipani
July 2009	Masters Degree in Molecular and Cellular Biology <u>University of Pisa (Italy)</u> Grade: 30/30 <i>cum laude</i> Thesis title: "An innovative strategy for the identification of novel genes or microRNAs involved in cardiac protection" Name of advisor: Prof. Mauro Giacca
July 2007	Bachelor Degree in Molecular and Cellular Biology <u>University of Pisa (Italy)</u> Grade: 30/30 <i>cum laude</i> Thesis title: "Post-transcriptional Modifications of BCL6 by microRNAs" Name of advisor: Prof. Letizia Pitto and Prof. Arturo Falaschi

Research Experience

Date	Project Information
Jan 2021 - present	Postdoctoral researcher at: <u>ETH Zurich (Switzerland)</u> Research field: Energy Metabolism (Genetics of longevity) Name of advisor: Prof. Michael Ristow
Oct 2016 – Dec 2020	Postdoctoral researcher at: <u>ETH Zurich (Switzerland)</u> Research field: Molecular Metabolism (Peptide Amidation in endocrine dysfunctions and diabetes) Name of advisor: Prof. Markus Stoffel

Jan 2011 – Sept 2016	PhD student and Postdoctoral researcher at: <u>Yale University and New York University (USA)</u> Research field: Cholesterol Metabolism and Innate Immunity Name of advisor: Prof. Yajaira Suarez and Prof. Carlos Fernandez-Hernando
Aug 2010 – Dec 2010	PhD rotation student at <u>New York University (USA)</u> Research field: Notch signalling in myeloid leukemia Name of advisor: Prof. Camille Lobry and Iannis Aifantis
Sept 2009 – July 2010	Research intern at <u>Harvard Medical School, MGH, Endocrine unit (USA)</u> Research field: Hypoxia signalling in limb bud development Name of advisor: Prof. Ernestina Schipani

Scholarships, Funding Acquisition, and other Awards

- Dec 2021: Holcim Stiftung Stipend (100.000CHF)
- June 2021: ETH Career seed grant (30.000CHF)
- Feb 2021: “PIs of Tomorrow” award winner at the Life Science Switzerland Meeting 2021 (1.000CHF).
- 2020 – 2025: Swiss Young Academy membership (elected position).
- 2012 – 2015: Howard Hughes Medical Institute International Student Research Fellowship (\$132.000).
- 2011 – 2012: Vittorio Defendi Fellowship in the graduate program of Pathobiology and Translational Medicine, New York University School of Medicine (\$40.000).
- 2010 – 2011: Rotary International district 2050, Ambassadorial Scholarship 2010/2011 (\$25.000).

Invited Contributions to Scientific Meetings

- Sept 2022: **Congress of the European NeuroEndocrine Association (ENEA 2022)**, Lyon (France). Invited talk: “Dysregulated peptide amidation as a new cause of hypopituitarism”.
- May 2022: **PRAEVENIRE Digital health symposium**, Austria. Invited Keynote talk: “Big Data in Diabetes Research”
- Sept 2021: **Computer-assisted System’s Medicine Symposium**, Universitätsmedizin der Johannes Gutenberg-Universität Mainz, Germany. Invited talk: “From experimental approaches to big data analyses to understand physiology and disease”.
- Aug 2021: **Symposium at the Institute of Biochemistry and Molecular Medicine**, University of Bern, Switzerland. Invited talk: “Roles of cholesterol intermediates in physiology: evidence from experimental and big data analyses”.
- July 2021: **Symposium “Aging at the Different Scales of Biology”**, Department of Biochemistry, Charité – Universitätsmedizin Berlin, Germany. Invited talk: “Roles of cholesterol intermediates in physiology: evidence from experimental and big data analyses”
- Feb 2021: **PIs of Tomorrow session** at Life Science Switzerland (LS2) Annual Meeting, Switzerland (online). Invited talk and award winner.
- Sept 2020: **Life Science Switzerland (LS2) Physiology Section Meeting**, Switzerland (online). Invited talk selected for Young Investigator Award: “Peptide amidation in physiology and disease”.

Other Information

Lecturer of 3 courses at ETH, including main lecturer of “Big Data analysis in Biomedical Research”; Organizer of female scientist peer mentoring groups and female career-promoting activities; Organizer of scientific seminar series; Enthusiastic speaker in science outreach events.