

CURRICULUM VITAE



Personal information

Sandra Giulia Linnéa PERSIANI

Nationality Italian, Swedish

Date of birth 03 November 1985

Personal website <https://architecturesoflife.org/>

ORCID 0000-0003-1129-7500

Professional experience

Dates 1/11/2024 –

Occupation or position held **Guest Scientist**

Name of employer Institute of Comparative Microbiome Analysis COMI
Helmholtz Center Munich, Prof. Dr. Michael Schlöter

Dates 1/2020 –

Occupation or position held **Architect / Scientist**

Name of employer Studio PD'A
<https://www.studio-pda.com/>

Dates 1/2/2019 –

Occupation or position held **Research Associate, Postdoc**

Name of employer TU Munich (Germany)
Chair of Building Technology and Climate Responsive Design, Prof. Dipl.-Ing. Thomas Auer

Dates 1/2010 – 1/2020

Occupation or position held **Founder & Partner**

Name and address of employer Luigi Pardo Architetti (today PD'A)
<https://www.studio-pda.com/>

Dates 8/11/2016 – 24/11/2017

Occupation or position held **Research Fellow**

Topic **Positive Energy Schools, Zero Energy and Ultra-low Energy Buildings in Singapore**

Name of employer Energy Research Institute at Nanyang Technological University (ERI@N)
Mr. Yann Grynberg

Dates	15/12/2015 – 23/7/2016
Occupation or position held	Research Associate
Name of employer	TU Munich (Germany), Associate Professorship of Design and Building Envelopes Prof. Dr.-Ing. Tillmann Klein
Dates	14/9/2010 - 30/6/2011
Occupation or position held	Architect
Name and address of employer	Arch. Lorenzo A. M. Murmura Via Boezio 90, 00193 Rome (Italy)

Education

Dates	11/2025 - 6/2026
Title of qualification awarded	Urban Rewilding: Restore Your Local Ecosystem
Name and type of organisation providing education and training	Wageningen / edX
Dates	8/2025
Title of qualification awarded	Microbiome Research Design (professional formation)
Name and type of organisation providing education and training	University of Cambridge online
Dates	24 – 28/3/2025
Title of qualification awarded	Applied Clinical Research (Advanced Module)
Name and type of organisation providing education and training	CIH LMU Center for International Health, Ludwig-Maximilians-Universität München
Dates	01/10/2011 - 11/7/2016
Title of qualification awarded	Ph.D. in Environmental Design, <i>cum Laude</i> (Ottimo) Topic: “Autoreactive Architectural Components, Theories and Schemes for the Implementation of Kinetic Reaction with Zero Energy”
Name and type of organisation providing education and training	University of Rome La Sapienza (Italy), Faculty of Architecture, Department PDTA <i>in collaboration with TU Munich (Germany), Associate Professorship of Design and Building Envelopes (Prof. T. Wolf).</i>
Dates	30/09/2003 - 14/07/2009
Title of qualification awarded	Architect UE (European Union), 110/110 <i>cum Laude</i> Single-cycle Master's degree programme (5 years) Topic: “Opaque components in clay in sustainable architectural facades”
Name and type of organisation providing education and training	University of Rome La Sapienza (Italy), Faculty of Architecture L. Quaroni

Fellowships

Dates	1/11/2024 – 31/10/2025
Fellowship	Laura Bassi Scholarship (TUM)
Info	Topic: “Effects of indoor greenery on the microbiological composition of the air breathed in office spaces and the nasal microbiome of users ”

Institution hosting	This fellowship enabled me to strengthen my interdisciplinary expertise through collaboration with microbiology specialists at the COMI, Helmholtz Center Munich.	
	TU Munich (Germany)	
	Chair of Building Technology and Climate Responsive Design, Prof. Dipl.-Ing. Thomas Auer, <i>collaboration with Professorship of Environmental Microbiology</i> , Prof. Dr. Michael Schlöter and the <i>COMI, Helmholtz Center Munich</i> .	
Dates	1/7/2020 – 31/12/2023	
Fellowship	Alexander von Humboldt Postdoctoral Fellowship	
Info	Topic: “Architectural Symbiosis, emergence of new operating patterns as effect of a human-plant-building association”	
	This prestigious fellowship (20–25% success rate) emphasizes academic excellence	
Institution hosting	TU Munich (Germany)	
	Chair of Building Technology and Climate Responsive Design, Prof. Thomas Auer; Professorship of Green Technologies in Landscape Architecture, Prof. Ferdinand Ludwig	
Dates	1/2/2019 – 30/01/2020	
Fellowship	TUM University Foundation Fellow (TUFF)	
Info	The scholarship application followed a two-step process, with pre-selected candidates attending an information week at TUM before applying to TUFF	
Institution hosting	TU Munich (Germany)	
	Chair of Building Technology and Climate Responsive Design, Prof. Thomas Auer	

Institutional recognitions		
Dates	1/11/2025 –	
Title	Editor of the Exhibition Catalogue, Research support for the curatorial team	
Object	Exhibition “Air Conditioned: Architecture between Comfort and Climate Change”	
	Architekturmuseum der TUM, Pinakothek der Moderne, Munich	
	19 November 2026 - 4 April 2027	
Institution hosting	TU Munich (Germany), Chair of Building Technology and Climate Responsive Design, Prof. Dipl.-Ing. Thomas Auer, collaboration with Professorship History of Architecture and Curatorial Practice, Prof. Andres Lepik	
Dates	11/2023 -11/2024	
Title	TUM Researcher Level 2	
Object	Selected for the qualification program led by TUM Institute for LifeLong Learning, Technical University of Munich (TUM), Germany	
	The program is a pioneering initiative in Germany launched under TUM’s University of Excellence Agenda. Admission is highly competitive, with a two-stage process and final approval by the CareerDesign@TUM Board led by the Senior Vice President for Talent Management and Diversity.	
Dates	13/3/2016 – 24/3/2016	
Title	Young Researcher	
Object	Short Term Scientific Mission within the COST Action TU1403 on Adaptive facades	
	Visiting Scientist at the University of the Basque Country UPV/EHU, Architecture Department. I was endorsed for the position by my PhD Exchange host at TUM, Prof. Tillman Klein	
Dates	10/2014 - 10/2016	

Title Object	Resident	
	Oskar von Miller Forum The OvMF is an international excellence program for students from construction-related disciplines, funded by the Bavarian construction industry. Average success: 15-20%	
Awards	2018	Fassa Bortolo XXIII Gold medal, Sustainable Design (Dr. Sandra G. L. Persiani)
	2009	Blue Award 2009 Honorable Mention, Building with Ecological Systems (Arch. Sandra Persiani, Arch. Luigi Pardo)
	2007	World Space Creators Award 2007 2nd Prize (Luigi Pardo Architetti)
Invited presentations	2026	Webinar – GREENIN Micro Network Plus “ Symbiotic Indoor Environments: Researching Interactions between Plants, Humans and the Indoor Microbiome” Wednesday February 4th, 2026 https://www.youtube.com/watch?v=drfHweaz7CI&list=PL4xPfJG-Mbo4Lvhl3rtVptHETgLU6w0GX&index=88
	2022	Joint public Lecture with L. Pardo “The Creative Process from Research to Design” with introduction from Prof. A. Battisti “The Research method applied to Architecture and Design” May 20th, 2022 Aula Magna Faculty of Architecture, Sapienza University of Rome
	2015	Invited Lecture “Achieving Technological Autoreaction through Biomimetics” April 29th, 2015 Course Sintesi in Progettazione Ambientale, Prof. A. Battisti Faculty of Architecture, Sapienza University of Rome
Teaching		TUM Chair of Building Technology and Climate Responsive Design (Prof. T. Auer) Technical University of Munich
	Semester	WS 2024-2025
	Master course	How to print a house: Extension Altes Hallenbad Heidelberg, explored the integrative design of Additive Manufacturing technologies and Climate Design. Collaboration with Professorship of Digital Fabrication, Prof. Dr. Kathrin Dörfler
	Role	Tutor, Lecturer
	Semester	SS 2019-2020
	Master course	Next Tirana, Managing quality over growth, explored urban strategies for the future development of Tirana through architectural and territorial design proposals.
	Role	Tutor, Lecturer
Semester	WS 2019-2020	

Master course	The office / das Büro. Future of workplaces , explored new concepts and spatial strategies for contemporary working environments through architectural design and research-based studio projects. <i>Collaboration with Kasper Guldager Jensen, GXN (3XN architects)</i>
Role	Tutor, Lecturer
Semester	SS 2015-2016
Master course	Performative Folding , explored experimental design approaches where folding techniques were used to generate spatial structures and investigate the relationship between material behavior, movement, and architectural form
Role	Tutor, Lecturer
Semester	SS 2012-2013
Master course	Adaptiv , explored kinetic façade design, guiding students to develop responsive building envelope components based on geometric principles and material properties
Role	Tutor, Lecturer
Semester	WS 2012-2013
Master course	Adaptiv , explored biomimetic design strategies for building envelopes, guiding students to develop a bionic façade component inspired by natural systems and environmental performance principles <i>Collaboration with TUM Chair of Product Development, Prof. U. Lindemann</i>
Role	Conceptualisation and leading of the workshop “Classification of motion defining geometries, motion actuation and transmission mechanisms in nature”
Semester	WS 2011-2012
Master course	Technology of Architecture , introduces students to the technological dimension of architectural design, guiding them to explore the relationship between materials, construction systems, and environmental performance, with a focus on sustainable building strategies and the design of building envelopes.
Role	Tutor
Semester	WS 2009-2010
Master course	Technology of Architecture , see above.
Role	Tutor
Supervision	
Year	2025
Role	External reviewer, PhD Thesis in Environmental Design
Topic	“Sustainable architectures and spaces for Outdoor Education. Tools, design strategies, modelling, simulation and monitoring”. PhD Candidate A. Canducci Sapienza University of Rome, PhD Program in Planning, Design, Technology of Architecture (Prof. A. Battisti)
Year	2021-2024

Role	Mentoring for PhD Candidate S. C. Koth (discussed April 2025)
Topic	"Dynamic Cooling. Mitigating Climate Change through Temporal Discomfort" TUM Chair of Building Technology and Climate Responsive Design (Prof. T. Auer) Technical University of Munich
Year	2013-2014
Role	Co-supervisor for Master Thesis in Architecture Technology
Topic	"Sustainable technologies in architecture: Light components in fabric" Candidate: V. Pappaianni Faculty of Architecture, Sapienza University of Rome, Italy (Prof. A. Battisti)
Year	2013-2014
Role	Co-supervisor for Master Thesis in Architecture Technology
Topic	"Sustainable technologies in architecture: Light components in paper" Candidate: J. Petracci Faculty of Architecture, Sapienza University of Rome, Italy (Prof. A. Battisti)

Additional information	
Language skills	Italian – Native speaker Swedish – Native speaker French – Proficient user English – Proficient user German – Independent user
Background	Years lived abroad: 2019 – Munich, Germany 2018 – 2019 Catania, Italy 2016 – 2017 Singapore 2014 – 2016 Munich, Germany 2012 – 2013 Munich, Germany 2009 – 2011 Rome, Italy 2007 – 2008 Oulu, Finland 2004 – 2006 Rome, Italy 2000 – 2003 Geneva, Switzerland 1997 – 1999 Rome, Italy 1993 – 1996 Brasilia, Brazil 1989 – 1992 Helsinki, Finland 1985 – 1988 Rome, Italy