

Curriculum vitae

Dr. Luca Penso Dolfin

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Date of birth: 12.02.1986
Family status: Married

Education and academic qualifications:

2011 – 2014 PhD student, University of East Anglia, Norwich (UK)
2008 – 2011 MSC in Ecology and Evolution, University of Ferrara, Ferrara (IT)
2005 – 2008 BSC in Molecular Biology, University of Ferrara Ferrara (IT)

Professional Appointments:

Since 2026 Research Associate, Institute for Medical Informatics and Biometry, Dresden
2021 – 2025 Bioinformatician, Silence Therapeutics GmbH, Berlin
2019 – 2020 Computational Biologist, DKFZ, Heidelberg
2014 – 2019 Computational Biologist, Ealham Institute, Norwich (UK)

I am a bioinformatician with broad experience spanning evolutionary and biomedical research. I completed my PhD in Norwich, UK, where I worked on the reconstruction of chromosomal rearrangements in cancer genomes. During my postdoctoral years, I expanded my focus into cancer and evolutionary genomics, with a particular emphasis on microRNAs. In industry, I studied the molecular mechanisms of RNA interference and applied machine learning approaches to predict off-target effects in candidate siRNA therapeutics. I am currently part of the Seifert lab, focusing on the characterization of melanoma brain metastasis at the single-cell transcriptome level.

Dresden, May 2026