Dr. rer. nat. Henry Löffler-Wirth

Education

1999 - 2001	Secondary School, Glauchau	A-level (Abitur), grade "A"
2002 - 2008	University, Chemnitz	Diploma (Dipl.-Inf.), grade "A"
2008 - 2012	University, Leipzig	PhD (Dr.rer.nat.), grade "summa cum laude"

Studies & research

2002 - 2008 — Diploma studies in 'Computer Science', main course 'Artificial Intelligence'

Diploma thesis: *'Modeling of a cellular automaton based on dendritic cells and application in pattern recognition.'*

Chemnitz University of Technology

2008 – 2012 — PhD studies in 'Computer Science', subject 'Bioinformatics'

PhD thesis: *'Analysis of large-scale molecular biological data using self-organizing maps.'*

Interdisciplinary Centre for Bioinformatics - IZBI, Leipzig University
Helmholtz Centre for Environmental Research – UFZ, Leipzig
('HIGRADE'-scholarship holder)

2012 – 2014 — Postdoctoral scientist

Interdisciplinary Centre for Bioinformatics - IZBI, Leipzig University

since 2014 — Leader of Junior Research Group '*Algorithms for complex data in life sciences*'

Interdisciplinary Centre for Bioinformatics - IZBI, Leipzig University

Raised funds & projects

2015 - 2016 — Coordinator of project

'Aberrant epigenetic regulation paths in cancer – a combined pathway flow and machine learning analysis of molecular omics data'

DFG Grant 'Support the Initiation of International Collaboration'

2017 - 2019 — Coordinator of project

'omics Bioinformatics for systems medicine and health'

BMBF Grant 'Partnerships for sustainable solutions in developing and emerging countries - Research for development'

2017 - 2019 — Co-Coordinator of project

'Cartography of pathogenic pathway states'

BMBF Grant 'Funding of the Science & Technology Cooperation (STC) with the Republic of Armenia'

International research stays

June 2010 (1 week)	Summer School
	'Statistical and Machine Learning Methods in Computational Biology'
	Lipari School on Bioinformatics and Computational Biology, Lipari, Italy
February 2011 (1 month)	Research stay
	Australian National University - ANU, Canberra, Australia
April 2016 (2 weeks)	Research stay, guest lecturer
	National Academy of Sciences of Armenia - NAS, Yerevan, Armenia

Awards

2008 - 2011	HIGRADE Doctoral scholarship
	Scholarship in cooperation with Interdisciplinary Centre for Bioinformatics – IZBI, Leipzig University
	Helmholtz Interdisciplinary Graduate School for Environmental Research
2013	HIGRADE Certificate
	Successful completion of the graduate training program, achieved with 16 ECTS Credit Points
	Helmholtz Interdisciplinary Graduate School for Environmental Research
2013	Nominated for best dissertation 2012 (‚Dissertationspreis')
	Gesellschaft für Informatik - GI
2013	Nominated for Helmholtz Ph.D. award ('Doktorandenpreis')
	Helmholtz Association of German Research Centres