Prof. Dr. Lukas Gallmann

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Education

2002	PhD in physics, Physics Department, ETH Zurich, Switzerland Thesis title "Generation and Characterization of Few-Femtosecond Optical Pulses", Supervisor Prof. Dr. Ursula Keller, date of acceptance: 25. 2. 2002
1998	Diploma in physics, ETH Zurich, Switzerland

Employment history

June 2020	Promotion to Adjunct Professor, Physics Department, ETH Zurich
Since 2016	Permanent academic staff at ETH Zurich in the Ultrafast Laser Physics group of Prof. Ursula Keller
	Responsibilities and scientific activities as 2006 – 2013, in addition employed 20% for FastLab project
2013 – 2016	Senior researcher, Institute of Applied Physics, University of Bern, Switzerland AND Lecturer and academic guest, Physics Department, ETH Zurich, Switzerland
	Responsibilities and scientific activities at ETH Zurich as 2006 – 2013.
2006 – 2013	Senior researcher, Habilitation, Ultrafast Laser Physics group, Prof. Ursula Keller, Physics Department, ETH Zurich, Switzerland. Received *Venia Legendi* per 1.2.2012
	Responsible for high-field and attosecond science section of Prof. Keller's group, supervision of Ph.D. students and postdocs.
2005 – 2006	Postdoctoral researcher, Prof. S. R. Leone, Lawrence Berkeley National Laboratory (Chemical Science Division) and Departments of Chemistry and Physics, UC Berkeley, Berkeley, USA
	Research in the field of ultrafast laser physics and attosecond science.
2002 – 2005	Optical Engineer R&D, Contraves Space AG (now Thales Alenia Space Schweiz AG), Zurich, Switzerland – **academic career break**
1998 – 2002	PhD student, Ultrafast Laser Physics group, Prof. Ursula Keller, Physics Department, ETH Zurich, Switzerland

Approved research projects

2010 – 2012	Project "Ultrabroadband optical parametric chirped-pulse amplification in the mid-infrared using aperiodic quasi-phase-matching", SNF grant #200021_132504, responsible applicant
2012 – 2015	Project "Scaling ultrabroadband optical parametric chirped-pulse amplification for attosecond science", SNF grant #200020_144365, responsible applicant

2015 – 2018	Project "Diffractive quasi-phase-matching for high power generation of few-cycle pulses", SNF grant #200021_159975, co-applicant
2018 – 2022	Project "Dynamics of attosecond photoemission from solids", SNF grant #200021_182667, responsible applicant
2021 – 2024	Project "Time-resolved carrier transfer at material interfaces with attosecond spectroscopy", ETH grant ETH-52 21-1, responsible applicant

Significant contributions to many successful research grant proposals (SNF and ETH internal), including reporting (PI: Prof. Dr. U. Keller).

Supervision of junior researchers

- Co-supervision of postdocs and doctoral students in the attosecond and high-field science part of the Ultrafast Laser Physics group of Prof. Dr. U. Keller.
- Direct supervision of 1 doctoral student, co-referee for 21 dissertations from the Ultrafast Laser Physics group, 5 external.

Teaching activities

- Received Habilitation / *Venia Legendi* from ETH Zurich on February 1st, 2012.
- Own lecture "Ultrafast Laser Physics" (level MSc physics, elective, in English) in each fall semester since 2012. Until 2015, 3 hours/week (2 for lecture, 1 for exercise class). Since 2016 it is a core course in experimental physics with 5 hours/week (3 for lecture, 2 for exercises).
- Physics II for Mechanical Engineers in 2022.

Panel, board memberships and scientific reviewing activities

- Chair of the Quantum Electronics and Optics Division of the European Physical Society (since 2022)
- Member of the executive board of the Swiss Physical Society as Scientific Secretary (since Aug. 2018)
- Associate Editor of Optics Express (2016 – 2022).
- Reviewer for more than 20 scientific journals, including Science, Nature Physics, Nature Photonics, Nature Communications, Science Advances, Optics Letters, Optics Express, Applied Physics Letters, New Journal of Physics, Review of Scientific Instruments, Physical Review Letters, Physical Review X.
- Review of grant proposals for the European Research Council (ERC), Deutsche Forschungsgemeinschaft (DFG, Germany), Agence National de la Recherche (ANR, France), the National Research Council of Romania (CNCS), the Foundation for Science and Technology of Portugal (FCT), and the National Office for Research, Development, and Innovation of Hungary (NKFIH).

Organization of conferences

- General chair for CLEO/Europe 2023, program chair of CLEO/Europe 2021.
- Program sub-committee chair for CLEO/Europe – EQEC 2017 and 2019 conferences, topic "High-field laser and attosecond science".
- Member of several conference program (sub-)committees (CLEO/Europe – EQEC 2009, 2011, 2013, 2015 und CLEO 2013, 2014).

Awards, prizes, fellowships

- Fellow of the Optical Society of America / Optica (since 2019)
- 2014 OSA Outstanding Reviewer Award

Publication metrics

- Web of Science Core Collection: h-index 38, >4700 citations
- Scopus: h-index 40, >5200 citations
- Google Scholar: h-index 45, >7400 citations

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