

PERSONAL INFORMATION

LERCH, Mathias

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• CURRENT & PREVIOUS POSITIONS

- 7/2021 – Head of the Urban Demography Lab, Ecole polytechnique fédérale de Lausanne (EPFL)
- 5/2020 – Guest Researcher, Max Planck Institute for Demographic Research (MPIDR)
- 5/2020 – 6/21 Senior Demographer, Statistical Office Canton Zurich
- 7/2018 – 4/20 Deputy-Head of the Laboratory of Fertility & Well-Being, MPIDR
- 9/2015 – 4/20 Research Scientist, MPIDR
- 10/2016 – 4/17 Lecturer, Institute for Sociology and Demography, University of Rostock, Germany
- 4/2015 – 8/15 Senior Research Associate, Institute of Demography and Socioeconomy, University of Geneva, Switzerland
- 1/2011 – 8/15 Research Associate (Senior since 2014), Centre for the Interdisciplinary Study of Gerontology and Vulnerability, University of Geneva
- 9/2006 – 10/14 Research Associate, Institute of Demography and Socioeconomy, University of Geneva, Switzerland
- 10/2003 – 6/06 Research Assistant, Swiss Forum for Migration and Population Studies, Switzerland
- 2-9/2005 Teaching Assistant, Institute of Geography, University of Neuchâtel, Switzerland
- 4-9/2003 Internship, Swiss Forum for Migration and Population Studies, Switzerland
- 8/2002 – 3/03 Specialized collaborator, Swiss Federal Statistical Office, Switzerland

• EDUCATION

- 2010 – 14 PhD in Demography, University of Geneva
- 2006 – 08 Master of Science in Population Studies, University of Geneva, Switzerland
- 2000 – 05 Master of Arts in Geography, University of Neuchâtel (1st year in Bern), Switzerland

• CONSULTING ACTIVITIES (since 2010)

- 2022 – 23 Consultant for the Scientific Panel on Contraceptive Transition Theories, International Union for the Scientific Study of Population
- 2020 Consultant COVID-19 contact tracing system, Ministry of Health Canton of Zurich
- 2017 Consultant on population growth in cities, United Nations Population Division
- 2016 Technical expert for the preparation of the Generations and Gender Survey (GGS), United Nations Population Fund Belarus
- 2014 Demographic expert for the assessment of needs in complex emergencies and crises, Assessment Capacities Project, Geneva
- 2014 Expert consultant for the population projections of Switzerland, Federal Statistical Office
- 2011 Expert for census methodology in ECE countries, European Union
- 2010 Expert consultant for the assistance to the 2011 Census in Albania, Swiss Agency for Development and Cooperation

• INSTITUTIONAL RESPONSIBILITIES

- 2021 – Development and direction of a research laboratory at EPFL
- 2018 – 2020 Administrative tasks, hiring and management of staff, public representation at the MPIDR
- 2012 – 2020 Representative of the University of Geneva & MPIDR on consortium boards of projects

• APPROVED EXTERNALLY FUNDED RESEARCH PROJECTS

- 2022 – 23 Regional school projections 2022-2050 for the canton of Geneva, *Département de l'instruction publique, de la formation et de la jeunesse* (CHF 100k)
- 2021 – Migration in cities of the global South: Trends, drivers and sociodemographic consequences, *European Research Council Starting Grant 2020* (euro 1.5 million)
- 2014 – 15 Assessing the plausibility of socioeconomic gradients in mortality estimated from probabilistically linked data in Switzerland, *Swiss National Science Foundation* (CHF

- 30'000.-)
- 2013 – 14 Consultant services for five in-depth analyses based on the 2011 Albanian Population and Housing Census results, *European Commission* (Euro 220'000.-)
- 2013 – 14 Heat-related elderly mortality in Switzerland, 2001-2007: the role of social and environmental susceptibility, *Swiss National Science Foundation* (CHF 30'000.-)
- 2012 The role of causes of death and social inequalities in the rectangularisation of the survival curve in Switzerland, *Swiss National Science Foundation* (CHF 30'000.-)

• TEACHING ACTIVITIES

- 2022 Semester Lecturer at the Graduate Institute, Geneva
Lecturer at the Doctoral Training Unit ACROSS, University of Luxembourg
Lecturer at the Doctoral School of the NCCR LIVES, University of Geneva & Lausanne
- 2021 – Lecturer at EPFL
- 2018 – Member of the scientific committee & lecturer, Certificate of Advanced Studies in Demography, University of Geneva
- 2016 – 17 Semester Lecturer, University of Rostock
- 2008 – 2015 Lecturer at the Doctoral School of the National Center of Competence in Research – The Migration-Mobility Nexus; sessional lectures at the Universities of Neuchâtel, Lausanne, Geneva and the Graduate Institute in Geneva
- 2008 – 2014 Capacity building and training of staff at the Albanian Institute of Statistics

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2022 – Supervision of 2 PhD students at EPFL
- 2019 – Member of PhD committee at the Université catholique de Louvain
- 2018 – 21 Member of PhD committee at EPFL
- 2006 – 20 Supervision of 4 Postdocs, 7 Master students, 6 civil servants, and mentoring of 3 PhD students (at the University of Neuchâtel and Geneva, the MPIDR and the Albanian Institute of Statistics)

• REVIEWING ACTIVITIES (LAST 5 YEARS)

- Reviewer for *Comparative Population Studies, European Journal of Population, Demography, Demographic Research, International Migration Review, Journal of Biosocial Science, Journal of International Migration and Integration, Nature, Genus, Quetelet Journal, Population and Development Review, Population Studies, Population, Spatial Demography, Sustainability, Vienna Yearbook of Population Research*
- 2023 – Associate Editor of the *European Journal of Population*
- 2012 – Evaluation of research proposals for the Israel & Swiss Science Foundation, Université catholique de Louvain, Center for International Cooperation and Mobility (Berlin), Austrian Academy of Science, and City of Paris
- 2016 – 2022 Associate Editor of the *Quetelet Journal*

• ACTIVE MEMBERSHIP IN SCIENTIFIC SOCIETIES

- European Association of Population Scientists
Population Association of America
International Union for the Scientific Study of Populations

• ORGANISATION OF SCIENTIFIC MEETINGS / CONFERENCES (LAST 5 YEARS)

- 2019 Internal seminars & public lecture series at the MPIDR
- 2019 Quetelet Conference, Université catholique de Louvain

• INVITED PRESENTATIONS (since 2017)

- 2023 Department of Statistical Sciences, University of Bologna
Bundesinstitut für Bevölkerungsforschung, Wiesbaden (Germany)
- 2022 Luxembourg Institute of Socio-Economic Research (LISER), Esch/Alzette
University of Luxembourg, Luxembourg
Life Course and Inequality Research Centre (LINES), University of Lausanne
- 2021 Conference on Emigration and New Mobility, Istituto Svizzero, Rome

- 2020 Institut de démographie et socioéconomie, University of Geneva
 Department of Demography, University of Vienna
 Norwegian Centre of Excellence for Fertility & Health, Oslo
 Conference on Physiology & Pathology of Reproduction, Warnemünde (DE)
 Reproduction Meeting of Veterinary and Human Medicine, Warnemünde (DE)
 Statistical Office of the city of Zurich
- 2019 Children's Commission of the German Bundestag, Berlin
 Division of Social Statistics, University of Manchester
- 2018 National Research University Higher School of Economics, Moscow
 Université catholique de Louvain, Louvain-la-Neuve
- 2017 School of Geography, University of Melbourne

• **PUBLICATIONS (since 2017)**

- 2023 Lerch, M.: The end of urban sprawl? Internal migration across the rural-urban continuum in Switzerland 1966-2018, in *Population, Space and Place*, 29(1).
- 2022 Kaiser, J., M. Lerch: Sedimentary faecal lipids as indicators of Baltic Sea sewage pollution and population growth since 1860 AD, in *Environmental Research*, 204(C).
- 2021 Todd, N., M. Lerch: Socioeconomic development predicts a weaker contraceptive effect of breastfeeding, in *Proceedings of the National Academy of Sciences of the United States of America*, 118 (29).
Lerch, M.: Migration and city growth: an international perspective of Zurich, 1836–1949, in *Population-E* 76(3).
- 2020 Lerch, M.: International Migration and City Growth in the Global South: An Analysis of IPUMS Data for Seven Countries, 1992-2013, in *Population and Development Review*, 46(3): 557-582.
Lerch, M., T. Spoorenberg: The emergence of birth limitation as a new stage in the fertility transition in sub-Saharan Africa, in *Demographic Research* 42:827-858.
Lerch, M.: The emergence and diffusion of birth limitation in urban areas of developing countries, Max Planck Institute for Demographic Research Working Paper 2020-014.
- 2019 Lerch, M.: Regional variation in the rural-urban fertility gradient in the developing world, in *PLoS ONE* 14(7): e0219624.
Lerch, M.: Fertility decline in urban and rural areas of the developing world, in *Population and Development Review*, 45(2), 301-320.
- 2018 Lerch, M.: Marriage and fertility change during crisis and societal consolidation in the Western Balkans, in *Population Studies* 71(2), 217-234.
Lerch, M. and M. Oris: "Mortality during heat episodes in Switzerland: A story of vulnerability", in P. Puschmann & T. Riswick (Eds.): *Building Bridges - Scholars, History and Historical Demography*, p.622-642.
 Wanner P., M. Lerch and E. Galanxhi: « Dynamique spatiale dans les régions albanaises. Programme de développement des statistiques démographiques » [Spatial dynamics in Albanian regions. A program for the development of demographic statistics], in B. Kotzamanis, A. Parant (Eds.): *Regards sur la Population de l'Europe du Sud-Est*, Athens: Demobalk, p. 105-113.
- 2017 Lerch, M., A. Spoerri, D. Jasilionis and F. Viciano: On the plausibility of socioeconomic gradients in mortality estimated from linked data: a demographic approach, in *Population Health Metrics* 15(26).
Lerch, M., M. Oris and P. Wanner: Periurbanisation and the urban mortality gradient in Switzerland, 1968-2008, in *Population-E* 72(1), 93-122.
Lerch, M.: International migration and city growth, United Nations Population Division Technical Paper 2017/10, New York: United Nations.