

# MARC LERCHENMUELLER

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## ACADEMIC POSITIONS

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Since 2019 *Assistant Professor of Technological Innovation and Management Science,  
Mannheim Business School, Germany*

2019 *Assistant Professor, Department of Strategy and Innovation  
Copenhagen Business School, Denmark (declined)*

Since 2023 *Research Fellow, Leibniz Center for European Economic Research, Germany*

2014 - 2021 *Research Fellow, Yale University, School of Management, USA*

## EDUCATION

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### WHU OTTO BEISHEIM SCHOOL OF MANAGEMENT

Dr. rer. pol in Business Economics, 2013

Supervisors: David Audretsch, Olav Sorenson, Juergen Weigand

Visit PhD Program Yale School of Management (2011-13)

- *Academy of Management Heizer Dissertation Award finalist and Louis Pondy Dissertation Award finalist (one of three globally)*

### YALE UNIVERSITY, SCHOOL OF PUBLIC HEALTH

MPH, Master in Public Health, policy and regulatory affairs tracks, 2013

### LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE

Diploma in Public Health, health care management distant learning track, 2012

### UNIVERSITY OF OXFORD

MSc Master in Financial Economics (Brasenose College), 2007

### IMPERIAL COLLEGE LONDON

BSc, Bachelor of Management Science, 2006

## PUBLICATIONS

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1. Schmallenbach, L., Bärnighausen, T. W., & **Lerchenmueller, M. J.** (2024). The global geography of artificial intelligence in life science research. *Nature Communications*, 15(1), 7527.
2. **Lerchenmueller, M. J.**, Schmallenbach, L., Bley, M., & Lerchenmüller, C. (2023). „Gender disparities in altmetric attention scores for cardiovascular research”. *Communications Biology*, 6(1), 741.
3. Lerchenmüller, C., Schmallenbach, L., Jena, A. B., & **Lerchenmueller, M. J.** (2021). Longitudinal analyses of gender differences in first authorship publications related to COVID-19. *BMJ open*, 11(4), e045176.
4. **Lerchenmueller, M. J.**, Sorenson, O., & Jena, A. B. (2019). Gender differences in how scientists present the importance of their research: observational study. *bmj*, 367.
5. **Lerchenmueller, M. J.**, Sorenson, O., & Jena, A. B. (2019). How women undersell their work. *Harvard Business Review: HBR*, 2019(Digital Article), December-20.
6. **Lerchenmueller, M. J.**, & Sorenson, O. (2018). The gender gap in early career transitions in the life sciences. *Research Policy*, 47(6), 1007-1017.
7. Lerchenmüller, C.\*, **Lerchenmueller, M. J.\***, & Sorenson, O. (2018). Long-term analysis of sex differences in prestigious authorships in cardiovascular research supported by the National Institutes of Health. *Circulation*, 137(8), 880-882.  
\*Authors contributed equally
8. **Lerchenmueller, M. J.**, & Sorensen, O. (2017). Junior female scientists aren't getting the credit they deserve. *Harvard Business Review: HBR*, 2017(Digital Article), 22.03. 2017), 2-5.
9. **Lerchenmueller, M. J.**, & Sorenson, O. (2016). Author disambiguation in PubMed: evidence on the precision and recall of authority among NIH-funded scientists. *PLoS One*, 11(7), e0158731.

## REPORTS, BOOK CHAPTERS, OPEN EDUCATION

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- Oertelt-Prigione, S., Andersen, J. P., Squazzoni, F., Husu, L., Belloso, M. L., **Lerchenmueller, M. J.**, ... & Bywater, M. (2023). COVID-19 impact on gender equality in research & innovation: policy report. Publications Office of the European Union.
- **Lerchenmueller, M. J.** (2022). How Big Is the Gender Gap? Claim and Reality of Gender Equality Policy. Ifo Institute for Economic Research, ifo Schnelldienst,
- Hoisl, K., Lerchenmüller, C., **Lerchenmueller, M.J.**, & Schmallenbach, L. (2022). The power of attention: early indications of how the COVID-19 pandemic has affected the direction of scientific research in the life sciences. Resilience and Ingenuity Global Innovation Responses to COVID-19. Center for Economic and Policy Research *CEPR*.
- Jena, A. B., **Lerchenmueller, M. J.**, Sorenson, O. (2019). Men Call Their Own Research 'Excellent'. *New York Times*

## WORKING PAPER

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- “Intergenerational Transmission of Gender Bias and Knowledge Diffusion” (with Leo Schmallenbach and Karin Hoisl)
- “Designing Successful Experiments.” (with Rebeca Méndez-Dúron and Olav Sorenson)
- “LLM Classification of Diseases in the Execution of Clinical Trials.” (with Leo Schmallenbach, Thu-Huong Vu, Maximilian Bley, Carolin Lerchenmüller, Olav Sorenson)
- “Does More Money Lead to More Innovation? Evidence From the Life Sciences.” (solo author)
- “A Static Research Enterprise Decouples from Changes in the Burden of Disease.” (with Leo Schmallenbach, Maximilian Bley, Till W. Bärnighausen, Cassidy Sugimoto, Carolin Lerchenmüller)

## RESEARCH FUNDING

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- Connex (Dr. Hans Riegel-Stiftung), interdisciplinary research grant 2024, with Leo Schmallenbach and Maximilian Bley (EUR 6,500)
- Visiting scholarship University of Mannheim, DFG (German Research Foundation) grant 2017 (EUR 18,000)
- DFG (German Research Foundation) research grant 2014-2016 (EUR 120,000)
- DAAD (German Academic Exchange Service) research grant 2014-2016 (EUR 120,000), declined
- Yale University Research Fellowship 2012 (EUR 4,000)

## ADVISORY TO PUBLIC ORGANIZATIONS

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- 2022–2023    Invited to European Commission Expert Panel on Impact of COVID-19 on Science
- 2022 –        Invited to the International Scientific Advisory Board of Scientific Elites Project (Independent Research Fund Denmark)
- 2020 –        Invited Mentor for the German State of Baden-Württemberg Life Science Accelerator

## ACADEMIC HONORS

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- 2019        Outstanding Reviewer Award, Research Policy
- 2018        Druid Best Paper Award finalist, Druid Society
- 2017        Best Reviewer Award, Academy of Management TIM
- 2017        Showcase Symposium (3-Division sponsored), Academy of Management
- 2016        Louis Pondy Award finalist, Academy of Management OMT
- 2014        Heizer Award finalist, Academy of Management ENT
- 2014        KSG Entrepreneurship Research Award Finalist, G-Forum

## ACADEMIC HONORS CONTINUED

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- 2012 Yale John D. Thompson Award for research in health care  
2007 Imperial College London Orwin Prize for academic achievement  
2007 Royal College of Science Prize for best BSc

## PRESENTATIONS

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### **Invited Keynotes and Podiums**

- 2024 Research on Research Symposium, Swiss National Science Foundation  
2023 How does Artificial Intelligence Change our Lives, University of Mannheim  
2021 Gender and Diversity Day, Leibniz University Hannover  
2020 SAP Analytics and Data Days

### **Invited**

- 2023 Max-Planck-Institute for Innovation and Competition, Munich, GER  
2022 Jubilee Symposium, Institute Global Health, University of Heidelberg, GER  
2022 INCHER Colloquium, University of Kassel, GER  
2022 University of Copenhagen, DK  
2021 Swedish University SLU at Uppsala, SWE  
2018 University of Zurich, CH  
2017 Harvard Medical School, Health Care Policy Department, Boston, USA  
2016 Copenhagen Business School, Strategic Management and Globalization, DK  
2016 European School of Management and Technology, ESMT, GER  
2015 University of British Columbia, Sauder School of Business, CAN  
2015 Frankfurt School of Finance and Management, GER

### **General**

- 2024 Cambridge University, Judge Business School, UK (presented by R. Mendez)  
2023 Academy of Management annual meeting, Symposium, Boston, USA  
2023 Open Innovation in Science (OIS), Vienna, AUS  
2022 The National Bureau of Economic Research, Washington D.C., USA  
2019 RISE Workshop, Max-Planck Institute, Munich, GER  
2018 The National Bureau of Economic Research, Summer Institute, Boston USA  
2016 – Druid Society annual conferences, DK  
2025 Babson College Entrepreneurship Conference, Boston, USA  
2013 Strategic Management Society annual conference  
2012 – Academy of Management annual meetings

## ORGANIZATION OF CONFERENCES AND SYMPOSIA

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- 2023 – Scientific Committee for Conference on the Dynamics of Entrepreneurship,  
Leibniz Centre for European Economic Research (ZEW)

## ORGANIZATION OF CONFERENCES AND SYMPOSIA CONTINUED

- 2023 The Strategy, Technology, and Management of Clinical Trials:  
A Multi-Disciplinary Perspective, Symposium Academy of Management
- 2017 Challenges and Opportunities for Women in Science: A Conversation across Disciplines, Symposium Academy of Management
- 2016 The Gender Gap in Science and Technology: Causes and Consequences, Symposium Academy of Management

## PUBLIC DISCOURSE AND MEDIA

- Research coverage in over 50 international media outlets, including the Atlantic, Boston Globe, CBC, Frankfurter Allgemeine Zeitung (FAZ), Frankfurter Rundschau, Economist, Le Monde, NBC, New York Times, Reuters, Times, Times Higher Education, Times of India, Wall Street Journal, Washington Post
- Invited media commentary: Science during the Corona Pandemic (Frankfurter Allgemeine Zeitung, May 2020)

## ACADEMIC SERVICE

- Reviewer for *Science*, *Research Policy*, *Journal of Operations Management*, *Circulation*

## TEACHING

- 2022 Instructor. Selected Topics in Organizational Behavior.  
*University of Mannheim, Master course*
- 2021 Instructor. Organizational Theory (course in German).  
*University of Mannheim, Master course*
- Since 2019 Instructor. Theory construction in the social sciences.  
*University of Mannheim, Graduate School of Economic and Social Sciences (GESS), PhD course*
- Since 2018 Instructor. Research seminar: Organization and innovation.  
*University of Mannheim, Master course*
- Since 2018 Advisor of > 20 Master Theses  
*University of Mannheim*
- 2016 – 2018 Guest lecturer. Managing and innovating in health care organizations  
*Yale School of Management, Executive MBA program*
- 2015 Guest lecturer. Current topics in management consulting.  
*Tuck School of Business, MBA program*

## DOCTORAL COMMITTEE

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- 2023 Jan Ohmstedt, dissertation thesis: “*Between Performance and Normative Demands: Decision-Making, Purchasing Strategy, and Purchasing Capabilities*”; Area Operations Management (summa cum laude)
- 2022 Nico Marcel Zeiner, dissertation thesis: „*Information Asymmetries and Signals in Markets for Venture Capital: Relevance for the Selection Behavior and Performance of Early-stage Investors*“; Area Management (summa cum laude)

## INDUSTRY EMPLOYMENT

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### AaviGen

- 2019 – *Co-founder and CFO*, AaviGen LLC, Heidelberg, Biotech start-up  
Preclinical stage (€ 22 Mio. financing)  
www.aavigen.com

### InoCard

- 2011 – 2014 *Co-founder*, InoCard LLC, Heidelberg, Biotech start-up  
Successful exit: €3 million up-front plus milestones and royalties  
Gene therapy for heart failure (preclinical stage)
- Health Axis Europe Investor Choice Award 2013
  - Acquired by uniQure (first company with approval for a gene therapy)
  - Entered into \$100 million development alliance with BMS

### The Boston Consulting Group (BCG)

- 2013 – 2014 *Senior Consultant*, The Boston Consulting Group, New York  
Health care industry focus

### The Boston Consulting Group (BCG)

- 2007 – 2010 *Consultant*, The Boston Consulting Group, New York  
Health care and financial services industries

## OPEN SCIENCE

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- Public data: Replication data for *Longitudinal analysis of gender differences in first authorship publications related to COVID-19*.  
2021; doi.org/10.7910/DVN/OOTXIW
- Public data: Replication data for *Gender Differences in how Scientists Present the Importance of Their Research*.  
2019; doi.org/10.7910/DVN/YHJUCJ
- Public data: Replication data for *Sex Differences in Prestigious Authorships in Cardiovascular Research Supported by the NIH*.  
2017; doi/10.7910/DVN/RGK5E1