

Curriculum Vitae (as of 15th of April 2024)

Personal data:

Name: Dr. Patrick Mellacher
Nationality: Austrian
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Main areas of research

Agent-based models; Diffusion processes; Economic epidemiology; Health Economics; Political Economy; Economic, social and political dynamics; Quantitative methods; Economics of inequality

Teaching experience

2021-2023 Applied Agent-based Modelling (Bachelor level)
2017-2023 Public Finance (Bachelor level)
2022 Agent-based Modeling of Political Polarization (PhD level, Uni Bamberg)
2018 History of Economic Thought (Master level)

Academic professional experience

10/2023- **Assistant Professor** (*Universitätsassistent mit Doktorat*),
University of Graz, Graz Schumpeter Centre
02/2022-10/2023 **Postdoctoral Researcher**, University of Graz, Graz Schumpeter Centre
06/2018-01/2022 **Research and Teaching Associate** (*Universitätsassistent ohne Doktorat*),
University of Graz, Graz Schumpeter Centre
01/2021-06/2021 **Parental leave**
11/2018-01/2019 **Parental leave**
10/2017-05/2018 **Lecturer**, University of Graz, Institute of Public Economics

Research & Teaching visits

2022 **University of Bamberg** (Teaching a PhD level course)
2022 **Scuola Superiore Sant'Anna (Pisa)** (Research)
2022 **Università Cattolica del Sacro Cuore (Milan)** (Research)

Other professional experience

12/2011-06/2015 **Programmer**, TIP Group
05/2010-01/2011 **Alternative civilian service**, Mosaik GmbH
2009-2011: **Freelancer (IT)**

Academic education

- 10/2016-01/2022 **Doctoral Program in Social and Economic Sciences (Economics)**
(graduated with distinction)
University of Graz
Dissertation: *Innovation, Inequality and Polarization*
Advisor: Univ.-Prof. Dr. Richard Sturn
Second advisor: Ao. Univ.-Prof. Dr. Christian Gehrke
- 2021/08 **Summer School: Behavioral Macro and Complexity**
Tinbergen Institute
Lecturer: Cars Hommes
- 2018/09 **Graz Schumpeter Summer School 2018: Smart Technologies - a New
Industrial Age?**
Graz Schumpeter Centre/University of Graz
- 10/2014-09/2016 **Master Political and Empirical Economics, University of Graz**
- 10/2009-09/2014 **Bachelor Economics, University of Graz**

Awards

- **“SOWI im Dialog” award** for the best thesis at the Institute of Economics 2021/22
- **EAEPE-Herbert Simon Young Scholar Prize 2021** for the best conference paper by a young scholar at the annual conference of the *European Association for Evolutionary Political Economy*
- **Scholarships for academic excellence** in 2016, 2017 and 2022
- **“SOWI im Dialog” award** for the best thesis at the Institute of Public Economics 2016/17

Grants

Proposal writing & named researcher:

- Agent-based Economic Epidemiology (2022-25, FWF, 398,883 €), Project leader: Prof. Christian Gehrke

Project leader:

Three Erasmus+ travel grants (EU, each <1000€) to

- i) teach at the University of Bamberg, and conduct research
- ii) at the Scuola Superiore Sant’Anna (Pisa) and
- iii) at the Università Cattolica del Sacro Cuore (Milan)

Service to the profession

Member of the Board of Management of the International Schumpeter Society (2022-2024)

Spokesperson of the cluster “Social Policy and Distribution” of the research network “Heterogeneity and Cohesion” at the University of Graz (since 2022)

Replacement member of the Faculty Board of the School of Business, Economics and Social Sciences of the University of Graz (2022-2024)

Editorial Assistant: *European Journal of the History of Economic Thought* (2020-2022)

Journal Referee (in alphabetical order): *BMC Medical Informatics and Decision Making, Computational Economics, Computational Management Science, Frontiers in Sociology, Government and Opposition, Journal of Computational Social Science, Journal of Economic Behavior & Organization, Journal of Economic Growth, Journal of Economic Interaction and Coordination, Journal of Evolutionary Economics, Metroeconomica, PLOS Computational Biology,*

Conference Referee (in alphabetical order):

International Schumpeter Society 2024, Social Simulation Conference 2022

Event Organization + Session Chairing:

- *Graz Schumpeter Winter School 2024, 15.-19.01.2024*
- *Workshop Modelling the Covid-19 Pandemic, Online, 23./24.11.2022*
- *Current challenges for distribution policy (Aktuelle Verteilungspolitische Herausforderungen), Online, 15.03.2022*
- *Workshop Modelling the Spread and Impact of the Coronavirus, Online, 09.12./10.12.2020*
- *Workshop Agent-based Economics, University of Graz, 29./30.11.2019*

Session Chair (only):

- *Research day of the School of Business, Economics and Social Sciences of the University of Graz 2023, Graz, 17.01.2023*
- *Workshop How Smart Machines Will Revolutionize the World, Online, 17.07.2021*

Membership in academic associations:

European Association for Evolutionary Political Economy, European Social Simulation Association, German Network for New Economic Dynamics, Graz Schumpeter Society, International Network for Social Network Analysis, International Schumpeter Society

Science to Public

Own contributions to popular media:

- Patrick Mellacher: *Corona nach Omikron: Quo vadis, Virus?, Die Presse, 12.01.2022* (comment in a major Austrian daily newspaper summarizing my paper “Endogenous viral mutations, evolutionary selection, and containment policy design”)

Podcasts:

- Nikolaus Forgó & Patrick Mellacher: *„Ars Boni 401 Covid Skeptizismus - Covid Populismus“, 28.04.2023* (podcast about my paper “The Impact of Corona Populism: Empirical Evidence from Austria and Theory”)
- Gerhild Leljak & Patrick Mellacher: *“Wohin entwickelt sich das Virus?“, HörSaal: 15 Minuten Forschung, 17.2.2022* (podcast about my paper “Endogenous viral mutations, evolutionary selection, and containment policy design” and my Covid-19 research in general)

Media mentions:

- Roman Vilgut: “Ungleich besser”, UNIZEIT Ausgabe 03/2023: Geht’s anders auch? (Report in the Uni Graz newspaper about my PhD Thesis)
- Leopold Stefan: “Wirtschaft steckt im Teufelskreis der Lockdown-Müden fest“, Der Standard, 30.12.2020 (Report in a major national newspaper on my working paper „Cooperation in the Covid-19 Pandemic: Evidence from Public Goods Games“)

Science to Public panel discussions:

- “Corona: Was kommt im Herbst auf uns zu?“ (“Corona: What’s in store for autumn?”) joint with Peter Klimek, Oliver Fritz and Jana Lasser, 12.10.2022

Science to Public talks:

- Patrick Mellacher: Covid-Simulationsmodelle (Talk at the “Uni Graz Pop-Up Store”), 02.05.2022

Selected Talks

Since 2017, I gave **ca. 50 scientific talks** on various papers. Please find a full list on my website:

<https://homepage.uni-graz.at/de/patrick.mellacher/presentations/>

Invited talks and seminar presentations: Sant’Anna School of Advanced Studies, Catholic University of Milan, University of Linz, Zeppelin University Friedrichshafen

Conference presentations: Regular presentations at conferences organized by the *European Association for Evolutionary Political Economy*, the *International Schumpeter Society*, the *International Microsimulation Association*, the *Austrian Political Science Association*, the *Network Science Society*, the *Society for Computational Economics*, the *European Society for the History of Economic Thought*, the *Association for Heterodox Economics*, the *Young Scholars Initiative*, as well as the *Social Simulation Conference*, the *Young Economists Conference* and the *Workshop on Economic Science with Heterogeneous Interacting Agents*.

Research Output

Articles in peer-reviewed journals:

- Mellacher, P. (2023): The Impact of Corona Populism: Empirical Evidence from Austria and Theory. *Journal of Economic Behavior & Organization* 209, 113-140. <https://doi.org/10.1016/j.jebo.2023.02.021>
- Mellacher, P. (2022): Endogenous viral mutations, evolutionary selection, and containment policy design, *Journal of Economic Interaction and Coordination* 17, 801–825. <https://doi.org/10.1007/s11403-021-00344-3>
- Mellacher, P. & Scheuer T. (2021): Wage Inequality, Labor Market Polarization and Skill-Biased Technological Change: An Evolutionary (Agent-Based) Approach. *Computational Economics* 58, 233-278. <https://doi.org/10.1007/s10614-020-10026-0>
- Mellacher, P. (2021): What if Merkel had acted like Johnson against Covid-19?. *Investigación Económica*, 80(317), 82-108. <http://dx.doi.org/10.22201/fe.01851667p.2021.317.79301>

Articles in edited volumes:

- Mellacher, P. (2019): Die politische Ökonomik der (Re-)Privatisierung der Altersvorsorge. In: Richard Sturn, Nenad Pantelic (Hg.): *Dem Markt vertrauen? Beiträge zur Tiefenstruktur neoliberaler Regulierung*. Marburg. Metropolis, 73-90 ([download](#)).

Working papers:

- Lackner, T., Luca, F., Mellacher, P. (2024): Opinion Dynamics meet Agent-based Climate Economics: An Integrated Analysis of Carbon Taxation. GSC Discussion Paper No. 31, 1-70 ([download](#)).
- Mellacher, P. (2024): Growth, Inequality and Declining Business Dynamism in a Unified Schumpeter Mark I + II model, *GSC Discussion Paper No. 27/2*, 1-50 ([download](#)). Revise & Resubmit at *Industrial and Corporate Change*.
- Hager, T., Mellacher, P., Rath, M. (2023): Endogenous Heterogeneous Gender Norms and the Distribution of Paid and Unpaid Work in an Intra-Household Bargaining Model, *GSC Discussion Paper No. 30*, 1-33 ([download](#)). Revision submitted to *Feminist Economics*.
- Mellacher, P. and Lechner, G. (2023): Predicting Voter Ideology Using Machine Learning. *GSC Discussion Paper No. 29*, 1-48 ([download](#)).
- Mellacher, P. (2021): Opinion Dynamics with Conflicting Interests. *GSC Discussion Paper No. 28*, 1-20 ([download](#)).
- Mellacher, P. (2020): COVID-Town: An Integrated Macroeconomic-Epidemiological Agent-Based Model. *GSC Discussion Paper No. 23*, 1-50 ([download](#)).
- Mellacher, P. (2020): Cooperation in the Age of Covid-19: Evidence from Public Goods Games. *Arxiv preprints*, 1-8 ([download](#)).

Translations:

- Schumpeter, J.A. (2020), *Kapitalismus, Sozialismus und Demokratie*, 10., vervollständigte Auflage. Mit einer Einführung von Heinz D. Kurz; übersetzt von Susanne Preiswerk (Teil I-IV) und Theresa Hager, Philipp Kohlgruber und Patrick Mellacher (Teil V). Tübingen. Narr Francke Attempto Verlag.
- Sturn, R. & Dujmovits, R. (2020), *Public Finance*, Graz. ÖH Skripten.

Open Source Models:

- *Endogenous viral mutations, evolutionary selection, and containment policies*. Online at github: <https://github.com/patrickmellacher/viralmutations>
- *Opinion Dynamics with Conflicting Interests*. Online at github: <https://github.com/patrickmellacher/opiniondynamicswithconflictinginterests>
- *Endogenous Heterogeneous Gender Norms and the Distribution of Paid and Unpaid Work in an Intra-Household Bargaining Model*. Online at github: <https://github.com/patrickmellacher/gendernorms>
- *Growth, Inequality and Declining Business Dynamism in a Unified Schumpeter Mark I + II model*. Online at github: <https://github.com/patrickmellacher/schumpetermark1plus2>