

Patrick Gaule

Academic appointments

University of Bristol, Bristol, United Kingdom

Associate professor (reader) in economics, September 2021-

University of Bath, Bath, United Kingdom

Senior lecturer in economics, July 2017-August 2021

CERGE-EI, Prague, Czech Republic

Assistant professor, September 2012–July 2017

(Tenured, December 2017)

Harvard University, Boston, United States

Post-doctoral research fellow, August 2011–July 2012

National Bureau of Economic Research (NBER), Cambridge, United States

Innovation Policy and the Economy fellow, September 2010–July 2011

MIT Sloan School of Management, Cambridge, United States

Post-doctoral research fellow, September 2009–July 2011

Education

EPFL, Lausanne, Switzerland

Ph.D., May 2009

Study Center Gerzensee, Switzerland

Certificate, Swiss program for beginning doctoral students in economics, April 2007

Graduate Institute of International Studies, Geneva, Switzerland

M.A., International Economics, September 2005

University of Geneva, Geneva, Switzerland

B.A., Economics, May 2003

Publications

1. “Invisible Geniuses: Could the Knowledge Frontier Advance Faster?” (with Ruchir Agarwal). *American Economic Review: Insights*. 2020. 2(4): 409–424. (Lead article).
2. Engineering Serendipity: When does Knowledge Sharing Lead to Knowledge Production? (with Jacqueline Lane, Ina Ganguli, Eva Guinan and Karim Lakhani). Forthcoming, *Strategic Management Journal*

3. COVID-19: Insights from innovation economists. (with George Abi Younes, Charles Ayoubi, Omar Ballester, Gabriele Cristelli, Gaetan de Rassenfosse, Dominique Foray, Gabriele Pellegrino, Matthias van den Heuvel, Elizabeth Webster and Ling Zhou) *Science and Public Policy*. 2020, 1-13
4. “How Do Travel Costs Shape Collaboration?” (with Christian Catalini and Christian Fons-Rosen). *Management Science*. August 2020. 66(8): 3340-3360
5. “Will the U.S. Keep the Best and the Brightest (as Post-docs)? Career and Location Preferences of Foreign STEM PhDs” (with Ina Ganguli). in *The Roles of Immigrants and Foreign Students in U.S. Science, Innovation, and Entrepreneurship*, National Bureau of Economic Research. 2020
6. “Patents and the Success of Venture-Capital Backed Startups: Using Examiner Assignment to Estimate Causal Effects” *Journal of Industrial Economics*. June 2018. 66(2): 350-376.
7. “An Advisor like me? Advisor Gender and Post-graduate Careers in Science” (with Mario Piacentini). *Research Policy*. May 2018. 47(4): 687-826
8. “A Field Experiment on Search Costs and the Formation of Scientific Collaborations” (with Kevin Boudreau, Tom Brady, Tony Hollenberg, Ina Ganguli, Eva Guinan and Karim Lakhani). *Review of Economics and Statistics*. October 2017. 99(4):565-576.
9. “It's Good to be First: Order Bias in Reading and Citing NBER Working Papers.” (with Dan Feenberg, Ina Ganguli and Jonathan Gruber). *Review of Economics and Statistics*. March 2017. 99(1):32-39
10. Can medical products be developed on a non-profit basis? Exploring product development partnerships for neglected diseases (with Viviana Munoz, Fabiana Visentin and Dominique Foray) *Science and Public Policy*. 2015. 42 (3), 315-338
11. “Who comes back and when? Return migration decisions of academic scientists” *Economics Letters*. September 2014. 124(3):461-464
12. “Chinese Graduate Students and U.S. Scientific Productivity” (with Mario Piacentini) *Review of Economics and Statistics*. May 2013. 95(2):698-701.
13. “Is the U.S. outperforming Europe in Technology Licensing? A new Perspective on the 'European Paradox'” (with Annamaria Conti) *Research Policy*. February 2011. 40(1):123-135.
14. “Getting cited: does open access help?” (with Nicolas Maystre) *Research Policy*. December 2011. 40(10):1332-1338.
15. “Access to scientific literature in India” *Journal of the American Society for Information Science and Technology*. 2009. 60 (12):2548-2553

16. Access to vaccine technologies in developing countries: Brazil and India. (with Julie Milstien and Miloud Kaddar). *Vaccine*. 2007. 25(44), 7610-7619.

Working Papers

1. What Drives Innovation? Lessons from COVID-19 R&D (with Ruchir Agarwal) IMF working paper 2021/048
2. “Why U.S. Immigration Barriers Matter for the Global Advancement of Science” (with Ruchir Agarwal, Ina Ganguli and Geoff Smith) IMF working paper 2021/042
3. “Biased Beliefs and Entry into Scientific Careers” (with Ina Ganguli and Danijela Vuletic) IZA DP No. 13475

Research Papers in Progress

1. “India’s Missing Talent: Evidence from Surnames” (with Ruchir Agarwal)
2. “Why Has Science Become an Old Man’s Game?” (with Christian Fons-Rosen and Taras Hrendash)
3. “Measuring the changing attractiveness of the U.S. as migration destination for STEM talent” (with Ina Ganguli)

Research Impact

Research included into course syllabi:

My research is listed in PhD syllabi at Stanford (Einav & Williams course on markets failures and public policy), MIT Sloan (Azoulay & Stern course on the economics of ideas, innovation and entrepreneurship)

Research cited or covered in the media:

The Economist, Nature, Wall Street Journal, New York Times, National Public Radio (x2), Marginal Revolution, Mother Jones, Noah Opinion, Times Higher Education.

Real world impact:

My paper on ordering effects in NBER paper announcements led the NBER to change the ordering of papers in its ‘New This Week’ announcement – when announcing the change, NBER president James Poterba cited the paper and its findings as motivation.

Talks

2010: American Economic Association, NBER Summer Institute, MIT Sloan

2011: American Economic Association, Brookings Institution, University of Lausanne, Mines ParisTech, China Europe International Business School, Universitat Pompeu Fabra, Temple University

2012: University College Dublin, Central European University, Simon Fraser University, CERGE-EI, Rutgers University, REER conference (Atlanta, Georgia)

2014: Stockholm School of Economics, Swiss Economists Abroad Association

2015: National University of Singapore, ZBW Hamburg, Barcelona GSE summer forum, 8th Annual Searle Center Conference on Innovation Economics, Northwestern University, Swiss Economists Abroad Association

2016: Carlos III, Copenhagen Business School workshop on the economics of science, DRUID PDW, CEPR Entrepreneurship Workshop, Munich Summer Institute, EEA, EPIP

2017: Imperial College London Business School, University of Bath, University of West England, University of Massachusetts, HEC Lausanne, Georgia Institute of Technology

2018: NBER Summer Institute, University of Bristol, University of Leicester, University of Kent, Barcelona GSE summer forum, Higher School of Economics, IGL Winter Research Meeting

2019: LSE SERC, Warwick Business School, University of Geneva, Ecole des Mines (Paris), College de France

2020: Technical University of Munich, KU Leuven, Bath School of Management

2021: University of Bristol, WTO Webinar Series on Trade and Economic Resilience

Grants, Awards and Fellowships

Redesigning the pharmaceutical R&D landscape for the post-Covid-19 economy (with Annamaria Conti, Dominique Foray and Goutam Challagalla). Co-Principal Investigator. Grant from Enterprise for Society (E4S)

Barcelona GSE seed grant 2017 (with Christian Fons-Rosen). “Developing and Applying a Platform Tool for the Economics of Science.”

Grant Agency of the Czech Republic (GACR). “The Supply Side of Science: Studying Entry into Scientific Careers”. Principal Investigator. Standard Grant 2016-2018. (Around 65k euros)

Otto Wichterle award for outstanding young scientists of the Czech Academy of Sciences (2014)

Innovation Policy and the Economy Fellowship, National Bureau of Economic Research (2010-2011)

Swiss National Science Foundation beginning researcher postdoctoral fellowship (2009)

DRUID best junior paper award (paper joint with Annamaria Conti) (2009)

Teaching

Econometrics II, BSc in economics, University of Bath (2019, 2020, 2021)

Econometric Methods, MSc in economics, University of Bath (2018)

Behavioral Finance, MSc in applied economics unit, University of Bath (2018, 2019, 2020, 2021)

Empirical Methods, 2nd year elective course, CERGE-EI PhD Program (2012, 2013, 2014, 2016)

Statistics, 1st Year core course, CERGE-EI PhD Program (2012, 2013, 2014, 2015, 2016)

Innovation and Entrepreneurship, elective course, CERGE-EI Masters in Applied Economics (2013, 2016)

Supervision of undergraduate and masters dissertations (15+)

PhD Supervision as main advisor

Oleg Sidorkin, graduated 2017, Initial placement: postdoc at the Institute for Eastern European studies, Regensburg

Zurab Abramishvili, graduated 2017. Initial placement associate professor at Tbilisi State University

Liyousew Borga , graduated 2019. Initial placement: postdoc at the University of Luxembourg

Taras Hrendash, expected graduation 2022

Olexiy Kyrychenko, expected graduation 2022

Service

CERGE-EI: Junior hiring committee, PhD admission committee, external seminar organizer

Bath: External seminar organizer, Innovation and productivity research team leader

Refereeing

Management Science, RAND Journal of Economics, Review of Economics and Statistics, Journal of Public Economics, Journal of Human Resources, European Economic Review, Journal of Industrial Economics, Journal of Economic Geography, Nature Human Behaviour, Research Policy, Leadership Quarterly, NSF