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Citizenship German

Education

2003 Habilitation, Venia Legendi in Economics, University of Hamburg.
1996 Ph.D. in Economics (summa cum laude), University of Göttingen.
1990 M.A. in Economics, University of Göttingen.

Academic Positions

from 04/12 Professor, University of Göttingen.
09/09–08/10 Visiting Professor, Brown University.
04/06–03/12 Professor, University of Hannover.
09/04–03/06 Associate Professor, University of Copenhagen.
08/98–08/04 Assistant Professor, University of Hamburg.
02/99–11/99 Marie Curie Research Fellow, Cambridge University.
11/95–07/98 Research Fellow, University of Hamburg.

Research Grants and Awards

DFG-SNF Research Grant (STR 876-3-1), 2018-2021.
DFG-SNF Research Grant (STR 876-2-1), 2015-2018.
Hans Christian Andersen Visiting Professorial Fellowship , University of Southern Denmark, Odense, 2014.
FP 7 Research Grant of the European Commission, 2009-2012.
Marie Curie Research Scholarship of the European Commission, 1998.
Gustav Hopf Award for best diploma (MA) in economics at the University of Göttingen, 1990.

Main Research Fields

Growth and Development Economics, Health Economics, Population Economics

Teaching

Lectures

*Economics of Human Aging*** , LMU Munich

*Advanced Development Economics*** , University of Hannover, University of Goettingen, University of Helsinki

Growth and Development Economics, University of Hamburg, University of Hannover, University of Goettingen

Business Cycle Economics, University of Hannover

Intermediate Macroeconomics, Brown University

*Resource and Environmental Economics** , University of Hannover, University of Goettingen

*Open Economy Macroeconomics** , University of Goettingen

*Advanced Macroeconomics*** , University of Hannover

*Development Economics: Macro Aspects** , University of Copenhagen

*Social and Institutional Economics** , University of Copenhagen

*International Political Economy** , University of Copenhagen, University of Hannover, University of Goettingen

Macroeconomics , University of Copenhagen

*Growth Theory** , University of Hamburg

Classes

*Advanced Macroeconomics** , University of Hamburg

*Transition Economics** , University of Hamburg

Macroeconomics, University of Göttingen

Microeconomics, University of Göttingen,

Introductory Economic Dynamics, University of Göttingen.

(*: graduate level, **: PhD course.)

Recent Conference Presentations

2017

German Economic Association Annual Meeting, Vienna; DEGIT, Paris.

2016

German Economic Association Annual Meeting, Augsburg; European Association of Health Economics, Hamburg; EUDN Annual Meeting, Bonn.

2015

European Economic Association, Mannheim; Society of Economic Dynamics, Warschau; Council for Macroeconomics of the German Economic Association, Zuerich.

2014

European Economic Association, Toulouse, EUDN Annual Meeting, Paris, CesIfo Workshop Long-Run Development, Venice, Council for Population Economics of the German Economic Association, Linz.

2013

American Economic Association Annual Meeting, San Diego, Council for Macroeconomics of the German Economic Association, Hamburg.

2012

American Economic Association Annual Meeting, Chicago, German Economic Association Annual Meeting, Goettingen, Royal Economic Society Annual Conference, Cambridge.

2011

German Economic Association Annual Meeting, Frankfurt; Council for Development Economics of the German Economic Association, Berlin, Cultural Change and Economic Growth in the Long Run, Munich; Economics of Aging, Alicante, OLG Days, Vielsalm.

2010

American Economic Association Annual Meeting, Atlanta; European Society for Population Economics, Essen; German Economic Association Annual Meeting, Kiel; Council for Development Economics of the German Economic Association, Hannover, Council for Macroeconomics of the German Economic Association.

2009

European Economic Association, Barcelona; Council for Development Economics of the German Economic Association, Council for Population Economics of the German Economic Association.

2008

European Meeting of the Econometric Society, Milan; European Economic Association, Milan; Council for Development Economics of the German Economic Association, Zurich; SURED, Ascona; European Society for Population Economics, London, European Development Research Network Conference, Paris.

2007

European Meeting of the Econometric Society, Budapest, German Economic Association, Munich, Council for Development Economics of the German Economic Association, Goettingen

Invited Seminars

Brown University; Cornell University; Harvard University; Humboldt University (Berlin); Monash University (Melbourne); University of Alicante; University of Amsterdam, Free University Berlin; University of Bielefeld; University of Bologna, University of Copenhagen; Copenhagen Business School; University of Southern Denmark; University of Cologne; Technical University Dortmund; University of Frankfurt; University of Fribourg (CH); University of Groningen; University of Göttingen; University of Hannover; University of Hamburg; University of Heidelberg; University of Hohenheim, University of Innsbruck, Hebrew University, Jerusalem; University of Kiel; University of Leipzig; University of London (Brunel); Monash University (Melbourne); University of Münster; University of Munich (LMU); University of Naples, University of Nuremberg; University of Passau; University of Pretoria; University of Rome (Tor Vergata); University of Rotterdam; University of St. Gallen; University of Utrecht; University of Tilburg; University of Vienna, Technical University Vienna; York University (Toronto); ETH Zurich; Max Planck Institute for Demography, Rostock; Max Planck Institute for Social Law and Social Policy, Munich; GiGa, Hamburg; IZA, Bonn; Cesifo, Munich; Tinbergen Institute, Amsterdam; Vienna Institute of Demography.

Invited Visiting Researcher

Monash University Melbourne, February-March 2017, February-March 2018; University of Pretoria, April-May 2016; University of Copenhagen, August-October 2015; Cornell University, April 2015; Cesifo Institute, Munich, September-October 2014; University of Southern Denmark, Odense March-August 2014; University of Helsinki, August 2012; University of California, Berkeley, September-October 2011; University of Alicante, March-April 2011; Brown University, Providence, RI, Academic Year 2009-2010; TU Vienna, Vienna, February 2009; VU Amsterdam, Amsterdam, June 2008; Vienna Institute of Demography, Vienna, March 2007; Melchior Minerva Center for Economic Growth, Jerusalem, March 2004.

Member in Research Networks

European Research Development Network (EUDN)

CESifo

Macroeconomics Council, German Economic Association.

Council for Population Economics, German Economic Association.

Council for Development Economics, German Economic Association.

Recent Referee Activities

National Science Foundation of the United States, Deutsche Forschungsgemeinschaft (DFG), American Economic Review, American Economic Journal: Macroeconomics, Econometrica, European Economic Review, International Economic Review, Health Economics, Journal of Development Economics, Journal of the European Economic Association, Journal of Economic Dynamics and Control, Journal of Economic Growth, Journal of Health Economics, Journal of

International Economics, Journal of Political Economy, Journal of Public Economics, Review of Economic Studies, Scandinavian Journal of Economics.

Editorial Activities

Since 2015: Associate Editor, Journal of Demographic Economics.

Since 2017: Associate Editor, Journal of the Economics of Ageing.

Journal Articles

1. Limited Self-Control and Longevity, **Health Economics**, forthcoming.
2. Natural Disasters and Macroeconomic Performance (with Timo Trimborn), **Environmental and Resource Economics**, forthcoming.
3. Desire and Development, **Macroeconomic Dynamics**, forthcoming.
4. Myopic Misery: Maternal Depression, Child Investments, and the Neurobiological Poverty Trap, **Macroeconomic Dynamics**, forthcoming.
5. How We Fall Apart: Similarities of Human Aging in 10 European Countries (with Ana Abeliansky), **Demography**, 2018 55(1), 341-359.
6. Hungry Children Age Faster (with Ana Abeliansky), **Economics and Human Biology**, 2018, Vol. 29, 211-22.
7. Trade and Productivity: The Family Connection Redux (with Klaus Prettnner), **Journal of Macroeconomics**, 2018, Vol. 56, Pages 276-291.
8. The Return to Education in Terms of Wealth and Health, **Journal of the Economics of Ageing**, 2018, Vol. 12, 1-14.
9. Life Expectancy and Education: Evidence from the Cardiovascular Revolution (with Casper Worm Hansen), **Journal of Economic Growth**, 2017, Vol. 22(4), 421-450.
10. The Gender Gap in Mortality: How Much Is Explained by Behavior? (with Johannes Schuenemann and Timo Trimborn), **Journal of Health Economics**, 2017, Vol. 54, 79-90.
11. Going from Bad to Worse: Adaptation to Poor Health, Health Spending, Longevity, and the Value of Life (with Johannes Schuenemann and Timo Trimborn), **Journal of Economic Behavior and Organization**, 2017, Vol. 140, 130-146.
12. Religiosity and Income: A Panel Cointegration and Causality Analysis (with Dierk Herzer), **Applied Economics**, 2017, Vol. 49(30), 2922-2938.
13. The Genesis of the Golden Age – Accounting for the Rise in Health and Leisure (with Carl-Johan Dalgaard), **Review of Economic Dynamics**, 2017, Vol. 24, 132-151.
14. The Health Hump, **Journal of Demographic Economics**, 2017, Vol. 83, 245-258.

15. It's A Sin – Contraceptive Use, Religious Beliefs, and Long-Run Economic Development (with Klaus Prettner), **Review of Development Economics**, 2017, Vol. 21, 543–566.
16. Contraception and Development: A Unified Growth Theory, **International Economic Review**, 2017, Vol. 58, 561–584.
17. The Spending Multiplier in the Medium Run (with Timo Trimborn), **German Economic Review**, 2017, Vol. 8, 154–181.
18. Gender Equity and the Escape from Poverty (with Klaus Prettner), **Oxford Economic Papers**, 2017, Vol. 69, 55–74.
19. Physiology and Development: Why the West is Taller than the Rest (with Carl-Johan Dalgaard), **Economic Journal**, 2016, Vol. 126, 2292–2323.
20. Technology, Trade, and Growth: The Role of Education (with Klaus Prettner), **Macroeconomic Dynamics**, 2016; Vol. 20, 1381–1394.
21. Limited Self-Control and Long-Run Growth, **Mathematical Social Sciences**, 2016, Vol. 83, 1–8.
22. Prevalence of and factors associated with frailty and disability in older adults from China, Ghana, India, Mexico, Russia and South Africa (with Arnold Mitnitski, Sebastian Vollmer and others), **Maturitas**, 2016, Vol. 91, 8-18.
23. An Economic Theory of Religious Belief, **Journal of Economic Behavior and Organization**, 2016, Vol. 128, 35-46.
24. 50 is the New 30 – Long-run Trends of Schooling and Retirement Explained by Human Aging (with Katharina Werner), **Journal of Economic Growth**, 2016, Vol. 21, 165-187.
25. Secularization and Long-Run Economic Growth, **Economic Inquiry**, 2016, Vol. 54, 177-200.
26. Frailty, Mortality, and the Demand for Medical Care, **Journal of the Economics of Ageing**, 2015, Vol. 6, 5-12 .
27. A Closed-form Solution for the Health Capital Model, **Journal of Demographic Economics**, 2015, Vol. 81(3), 301-316.
28. How Status Concerns Can Make Us Rich and Happy, **Economica**, 2015, Vol. 82, 1217-1240.
29. A Note on Variable Capital Utilization in Growth and Business Cycle Theory (with Timo Trimborn), **Macroeconomic Dynamics**, 2015, Vol. 19, 1622-1632.
30. The Physiological Foundations of the Wealth of Nations (with Carl-Johan Dalgaard), **Journal of Economic Growth**, 2015, Vol. 20, 37-73.
31. Preferences, Income, and Life Satisfaction: An Equivalence Result, **Mathematical Social Sciences**, 2015, Vol. 75, 20-26.
32. Hyperbolic Discounting and Endogenous Growth, **Economics Letters**, 2015, Vol. 126, 131-134.

33. The Fertility Transition Around the World 1950-2005 (with Sebastian Vollmer), **Journal of Population Economics**, 2015, Vol. 28, 31-44.
34. From Tradition to Modernity: Economic Growth in a Small World (with Ines Lindner), **Journal of Development Economics**, 2015, Vol. 109, 17-29.
35. Optimal Aging and Death: Understanding the Preston Curve (with Carl-Johan Dalgaard), **Journal of the European Economic Association**, 2014, Vol. 12, 672-701.
36. Knowledge and Growth in the Very Long-Run, **International Economic Review**, 2014, Vol. 55, 459-482.
37. A Mass Phenomenon: The Social Evolution of Obesity, **Journal of Health Economics**, 2014, Vol. 33, 113-125.
38. How Child Costs and Survival Shaped the Industrial Revolution and the Demographic Transition (with Jacob Weisdorf), **Macroeconomic Dynamics** 2014, Vol. 18, 114-144.
39. The Past and Future of Knowledge-based Growth (with Klaus Prettner and Alexia Prskawetz), **Journal of Economic Growth**, 2013, Vol. 18, 411-437.
40. The History Augmented Solow Model (with Carl-Johan Dalgaard), **European Economic Review**, 2013, Vol. 63, 134-149.
41. Patterns of Frailty in Older Adults (with Ken Harttgen, Somnath Chatterji, Paul Kowal, and Sebastian Vollmer), **PLOS ONE**, 2013, Vol. 8 (10).
42. Long-Run Trends of Human Aging and Longevity (with Sebastian Vollmer), **Journal of Population Economics**, 2013, Vol. 26, 1303-1323
43. Declining Fertility and Economic Well-being: Do Education and Health Ride to the Rescue? (with Klaus Prettner and David Bloom), **Labour Economics**, 2013, Vol. 22, 70-79.
44. School Attendance and Child Labor - A Model of Collective Behavior, **Journal of the European Economic Association**, 2013, Vol. 11, 246-277.
45. Riding High – Success in Sports and the Rise of Doping Cultures, **Scandinavian Journal of Economics**, 2012, Vol. 114, 539-574.
46. The Long-run Determinants of Fertility: One Century of Demographic Change 1900-1999 (with Dierk Herzer and Sebastian Vollmer), **Journal of Economic Growth**, 2012, Vol. 17, 357-385.
47. The Voracity Effect Revisited, **Mathematical Social Sciences**, 2012, Vol. 64, 272-276
48. Laffer Strikes Again: Dynamic Scoring of Capital Taxes (with Timo Trimborn), University of Hannover, **European Economic Review**, 2012, Vol. 56, 1180-1199.
49. Patience and Prosperity, **Journal of Economic Theory**, 2012, Vol. 147, 336-352.
50. Poverty, Voracity, and Growth, **Journal of Development Economics**, 2012, Vol. 97, 396-403.

51. The Determinants of Income in a Malthusian Equilibrium (with Jacob Weisdorf and Paul Sharp), **Journal of Development Economics**, 2012, Vol 97, 112-117.
52. Energy Distribution and Economic Growth (with Carl-Johan Dalgaard), **Resource and Energy Economics**, 2011, Vol. 33, 782-797.
53. A Physiological Foundation for the Nutrition-based Efficiency Wage Model (with Carl Johan Dalgaard), **Oxford Economic Papers**, 2011, Vol. 63, 232-253.
54. A Note on Economic Growth with Subsistence Consumption, **Macroeconomic Dynamics**, 2010, Vol. 14, 763-771.
55. Anticipated Tax Reforms and Temporary Tax Cuts: A General Equilibrium Analysis (with Timo Trimborn), **Journal of Economic Dynamics and Control**, 2010, Vol. 34, 2141-2158.
56. Should Continued Family Firms Face Lower Taxes Than Other Estates? (with Volker Grossmann), **Journal of Public Economics**, 2010, Vol. 94, 81-101.
57. Population, Food, and Knowledge: A Simple Unified Growth Theory (with Jacob Weisdorf), **Journal of Economic Growth**, 2008, Vol.13, 169-194.
58. The Credit Channel of Capital Tax Policy, **Journal of Public Economic Theory**, 2008, Vol. 10, 717-742.
59. Social Composition, Social Conflict, and Economic Development, **Economic Journal**, 2008, Vol. 115, 1145-1170.
60. Geography, Health, and the Pace of Demo-Economic Development, **Journal of Development Economics**, 2008, Vol. 86, 61-75.
61. Social Fractionalization, Endogenous Appropriation Norms, and Economic Development (with Ines Lindner), **Economica**, 2008, Vol. 75, 244-258.
62. Steht auf wenn ihr Deutsche seid – Sozio-ökonomische Erklärungsansätze der neuen Patriotismuswelle anlässlich der Fußball-WM, **Jahrbuch für Wirtschaftswissenschaften** 58, 151-163, 2007.
63. A Distributional Theory of Government Growth, **Public Choice** 132, 305-318, 2007.
64. Too Much of a Good Thing? The Quantitative Economics of R&D-driven Growth Revisited, **Scandinavian Journal of Economics** 109, 369-386, 2007.
65. Taxation, Growth, and Welfare: Dynamic Effects of Estonia's 2000 Income Tax Act (with Michael Funke), **Finish Economic Papers** 19, 25-38, 2006.
66. Growth and Convergence in a Two-Region Model: The Hypothetical Case of Korean Unification (with Michael Funke), **Journal of Asian Economics** 16, 255-279, 2005.
67. The Role of Human Capital and Population Growth in R&D-Based Models of Economic Growth, **Review of International Economics** 13, 129-145, 2005.

68. Economic Development with Endogenous Health and Fertility, **Journal of Population Economics**, 17, 433-453, 2004.
69. Why not Africa? – Growth and Welfare Effects of Secure Property Rights (with Ines Lindner), **Public Choice** 120, 143-167, 2004.
70. Child Labor, Child Mortality, and Economic Development, **Economic Journal** 114, 547-568, 2004.
71. A Simple and Intuitive Method to Solve Small Rational Expectations Models (with Martin Brunner), **Journal of Economics** 82(1), 71-88, 2004.
72. Solving Rational Expectations Models Using Excel, **Journal of Economic Education** 35(3), 269-283, 2004.
73. Tax Reform, Corporate Finance, and Economic Growth and Welfare, **Journal of Economic Dynamics and Control** 28, 595-615, 2003.
74. Distributive Politics and Economic Growth: The Markovian Stackelberg Solution (with Ines Lindner), **Economic Theory** 23(3), 439-444, 2003.
75. Supply Side Economics of Germany's Year 2000 Tax Reform: A Quantitative Assessment, **German Economic Review**, 4, 183-202, 2003.
76. Mortality, the Trade-off Between Child Quality and Quantity, and Economic Development, **Metroeconomica** 54, 499-520, 2003.
77. Tracing the Income-Fertility Nexus: Nonparametric Estimates for a Panel of Countries, (with Sikandar Siddiqui), **Economics Bulletin** 15 (5), 1-9, 2002.
78. Fiscal Policy Reforms in a Global Economy, **International Tax and Public Finance** 9, 71-89, 2002.
79. Solution of Perfect Foresight Saddlepoint Problems: A Simple Method and Applications (with Martin Brunner), **Journal of Economic Dynamics and Control** 26, 737-753, 2002.
80. Growth and Convergence in a Two-Region Model of Unified Germany (with Michael Funke), **German Economic Review** 1, 363-384, 2000.
81. On Demographic Transition, Structural Change, and Economic Growth and Stagnation, **Mathematical Population Studies** 8, 333-356, 2000.
82. On Endogenous Growth with Physical Capital, Human Capital and Product Variety (with Michael Funke), **European Economic Review** 42, 491-515, 2000.
83. Demographic Transition, Stagnation, and Demoeconomic Cycles in a Model for the Less Developed Economy, **Journal of Macroeconomics** 21, 397-413, 1999.
84. Capital Structure and Labour Demand: Investigations Using German Micro Data, (with Michael Funke and Wolf Maurer), **Oxford Bulletin of Economics and Statistics** 61, 199-215, 1999.

85. Regional Growth in West Germany: Convergence or Divergence? (with Michael Funke), **Economic Modeling** 16, 489-502, 1999.
86. The Employment - Financing Nexus: Evidence From a Panel of West German Firms (with Michael Funke, Wolf Maurer and Sikandar Siddiqui), **Journal of Small Business Economics**, 11, 225-235, 1998.
87. Investment Under Financial Constraints: Theory and Tests with West German Micro Data (with Michael Funke, Wolf Maurer and Sikandar Siddiqui), **Ifo Studien** 44, 291-306, 1998.
88. Learning-by-Doing, Population Pressure, and the Theory of Demographic Transition, **Journal of Population Economics** 10, 285-298, 1997.

Books

- Repetitorium Mikroökonomik* [Refresher Course Microeconomics] (with Gries, Thomas and Sieg, Gernot), Springer Verlag, Berlin, Heidelberg, New York, 1996.
- Die Interdependenz von Bevölkerungs- und Wirtschaftsentwicklung in neoklassischen Wachstumsmodellen* [The Interdependence between Population Growth and Economic Development in Neoclassical Growth Models], Cuvellier Verlag, Göttingen, 1996.

Discussion Papers

- Illicit Drugs and the Decline of the Middle Class (with Volker Grossmann), cege Discussion Paper 353, 2018.
- Physiological Constraints and Comparative Economic Development (with Carl-Johan Dalgaard), CEPR Discussion Paper 13119, 2018.
- How Season of Birth Affects Health and Aging (with Ana Abeliansky), cege Discussion Paper 352, 2018, 2018.
- Robots, Reshoring, and the Lot of Low-Skilled Workers (with Astrid Krenz and Klaus Prettnner), cege Discussion Paper 351, 2018
- Physiological Aging around the World and Economic Growth (with Carl-Johan Dalgaard and Casper Worm Hansen), CAGE Working Paper 375, 2018.
- Nepotism, Schooling Outcomes and Economic Development (with Marcello Perez-Alvarez), CSAE Working Paper WPS/2018-02.
- An Economic Theory of Depression and its Impact on Health Behavior and Longevity, cege Discussion Paper 337, 2018.
- R&D-Driven Medical Progress, Health Care Costs, and the Future of Human Longevity (with Sebastian Boehm and Volker Grossmann), cege Discussion Paper 325, 2017.
- Hyperbolic Discounting and the Time-Consistent Solution of Three Canonical Environmental Problems, cege Discussion Paper 319, 2017.

Smoking Kills: An Economic Theory of Addiction, Health Deficit Accumulation, and Longevity, cege Discussion Paper 316, 2017.

Accounting for Fetal Origins: Health Capital vs. Health Deficits (with Carl-Johan Dalgaard and Casper Worm Hansen), Discussion Paper, 2017.

Human Health and Aging over an Infinite Time Horizon (with Davide Dragone), Discussion Paper, 2017.

Innovation and Inequality in a Small World (with Ines Lindner), cege Discussion Paper 313, 2017.

The Marriage Gap: Optimal Aging and Death in Partnerships (with Johannes Schuenemann and Timo Trimborn) Discussion Paper, 2017.

The Lost Race Against the Machine: Automation, Education, and Inequality in an R&D-based Growth Model (with Klaus Prettnner), Discussion Paper, 2017.

Hyperbolic Discounting Can Be Good For Your Health (with Timo Trimborn), Discussion Paper, 2016.

Religiosity and Long-Run Productivity Growth (with Dierk Herzer), Cege Discussion Paper 284, 2016.

Optimal Social Insurance and Health Inequality (with Volker Grossmann), CESifo WP No. 5604.

Elite Education, Mass Education, and the Transition To Modern Growth, (with Katharina Werner), University of Goettingen, Cege Discussion Paper 205, 2014.

The Great Divergence: A Network Approach (with Ines Lindner), University of Goettingen, Cege Discussion Paper 193, 2014.

The Mechanics of Ageing and Death: A Primer for Economists — Part II: Measuring Ageing, LEPAS Working Paper 2010-2.