

**Graduate Studies:**

University of Oxford, DPhil Economics, 2023 (expected)  
- Visiting student: UC Berkeley, 2022  
- Visiting student: National University of Singapore, 2019  
University of Oxford, MPhil Economics, 2018

**Undergraduate Studies:**

BSc Econometrics and Mathematical Economics, London School of Economics, 2016

**References:**

Professor Douglas Gollin  
University of Oxford  
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Professor Gabriel Ulyssea  
University College London  
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Professor Ferdinand Rauch  
Heidelberg University  
ferdinand.rauch@awi.uni-heidelberg.de

Professor Niclas Moneke  
University of Oxford  
niclas.moneke@economics.ox.ac.uk

**Teaching and Research Fields:**

Primary fields: Trade, Development, Public  
Secondary fields: Labor, Urban and Spatial

**Teaching Experience:**

2018-2023	Stipendiary Lecturer at Corpus Christi College, Oxford: Introductory Probability and Statistics, Introductory Macro and Micro, Intermediate Macro, Econometrics, Quantitative Economics.
2021	Teaching Assistant, Oxford. MSc Economics for Development; International Trade.
2018	Teaching Assistant, LSE. EC210 Macroeconomics.

**Research Experience and Other Employment:**

2016-2021	RA: Professor Johannes Abeler, Oxford.
2018-2020	RA: Dr Isabelle Roland, Oxford.
2019	Short Term Consultant, World Bank.
2017	RA: Professor Sophocles Mavroeidis, Oxford.
2016-2017	RA: Professor Steve Machin, and Professor Sandra McNally, LSE.

**Scholarships:**

2021	Departmental Bursary, Oxford
2016-2021	Oxford Radcliffe ESRC Scholarship, Oxford
2016	Chelgren Scholarship, Oxford

**Job Market Paper:**

Moving Opportunity. Local Connectivity and Spatial Inequality.

*Abstract*

Within-country inequality across space is large, particularly in settings where local connectedness varies significantly. How does connecting locations via transportation infrastructure affect spatial inequality of opportunity? I study improvements to road networks in Benin, Cameroon, and Mali in a spatial model that

yields a sufficient statistic for the opportunity effects of market access consistent with a broad class of data generating processes. Using a novel “not-on-least-cost-path” instrumental-variables approach, I estimate that changes in connectivity altered the spatial distribution of opportunity. Applying estimates from the sufficient statistic result to parameterize general equilibrium spatial model, I find substantial effects: Since 1970, road investments have raised the probability of primary school completion by 7.5 p.p. more in the most-affected locations relative to the least-affected ones. I then use my spatial model to estimate the opportunity impacts of potential further route-specific road investments. Both network- and road-level characteristics matter for route upgrades, and pre-existing trade and migration flows between two locations predict the effects of investments on roads connecting them.

#### **Working Papers:**

1. Spatial Inequality of Opportunity in West Africa. *R&R Journal of Public Economics*
2. The Butcher, the Brewer, or the Baker: The Role of Occupations in Explaining Wage Inequality. *With Shihang Hou.*
3. Gravity in International Finance: Evidence from Fees on Equity Transactions. *With Vladimr Pazitka, Isabelle Roland, and Dariusz Wojcik.*
4. Minimum Wages and the China Syndrome: Causal Evidence from US Local Labour Markets. *With Isabelle Roland.*

#### **Published Papers:**

1. The Epidemiological Impact of the NHS Covid-19 App.  
Nature 2021  
*With Chris Wymant, Luca Ferretti, Daphne Tsallis, Marcos Charalambides, Lucie Abeler-Dörner, David Bonsall, Robert Hinch, Michelle Kendall, Mathew Ayres, Chris Holmes, Mark Briers, Christophe Fraser.*
2. Epidemiological changes on the Isle of Wight after the launch of the NHS Test and Trace programme: a preliminary analysis.  
The Lancet Digital Health, 2020  
*With Michelle Kendall; Lucie Abeler-Dörner; Chris Wymant; Luca Ferretti; Mark Briers; Chris Holmes; David Bonsall; Johannes Abeler; Christophe Fraser.*
3. Acceptability of App-Based Contact Tracing for COVID-19: Cross-Country Survey Study.  
JMIR mHealth and uHealth, 2020  
*With Samuel Altmann; Hannah Zillesen; Raffaele Blassone; Frederic Gerdon; Ruben Bach; Frauke Kreuter; Daniele Nosenzo; Séverine Toussaert; Johannes Abeler*

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