

# JÓNAS ODDUR JÓNASSON

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## Academic appointments

MIT SLOAN SCHOOL OF MANAGEMENT

2018 – Present Class of 1943 Career Development Professor

2016 – Present Assistant Professor of Operations Management

## Research interests

Operations Management, Healthcare Delivery Operations, Health Policy, Health Analytics.

Non-Profit Operations, Global Health, Social Determinants of Health.

Operational Team Productivity, Ambulance Operations.

## Education

LONDON BUSINESS SCHOOL

2016 PhD Management Science and Operations.

Thesis: *Data-driven Models of Healthcare Delivery Operations.*

2012 M.Res Management Science and Operations.

UNIVERSITY OF CAMBRIDGE

2010 M.Phil Management Science and Operations.

Dissertation: *An analysis of the effect of non-uniform conversion rates on Sponsored Search Auctions.*

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

2009 M.Sc. Operational Research, with distinction.

Dissertation: *An examination of the usefulness of reformulating Integer Programs as Flow Problems.*

UNIVERSITY OF ICELAND

2008 B.Sc. Industrial Engineering, first class grade.

UNIVERSITY OF MIAMI

2007 Exchange studies in Industrial Engineering.

## Research papers

### Journal publications

1. *Improving HIV early infant diagnosis supply chains in sub-Saharan Africa: Models and application to Mozambique*, with Sarang Deo and Jérémie Gallien (2017). *Operations Research*, 65(6):1479-1493.
  - First prize, 2014 MSOM student paper competition.
  - Abstract published in *Manufacturing & Service Operations Management*, 17(2): 262-264.

### Working papers

2. *Learning from Many: Partner Exposure and Team Familiarity in Fluid Teams*. With Zeynep Akşin, Sarang Deo, and Kamalini Ramdas. Under 2nd round review. *Management Science*.
3. *Recovering from Critical Incidents: Evidence from Paramedic Performance*. With Hessam Bavafa. Under 2nd round review. *Manufacturing & Service Operations Management*.
4. *Deployment Guidelines for Community Health Workers in Sub-Saharan Africa*. With Carri Chan, Sarang Deo, and Jérémie Gallien. In preparation.

### In progress

5. *Motorcycle Routing for Public Health: Optimal Dynamic Sample Transportation in Diagnostic Networks*. With Sarang Deo, Emma Gibson, Mphatso Kachule, and Kara Palamountain.
6. *Consistency is Key: Variance Reduction Through Experience in Team Performance*. With Hessam Bavafa.

7. *Coordinating Healthcare and Social Services: The Role of Incentives for Prevention and Rehabilitation*. With Heikki Peura.

## Awards and honors

- 2017 *Grand Challenges Exploration* award from the Bill and Melinda Gates Foundation.  
2015 Bonder Scholar Research Grant.  
2015 Deloitte Institute of Innovation and Entrepreneurship (DIIE) PhD Stipend Award.  
2014 First prize, INFORMS Manufacturing & Service Operations Management (MSOM) student paper competition. For *Improving HIV early infant diagnosis supply chains in sub-Saharan Africa: Models and application to Mozambique*.  
2014 Seth Bonder Scholarship for Applied Operations Research in Health Services.  
2014 ICEIDA (Icelandic International Development Agency) Doctoral Scholarship.  
2010-2014 London Business School PhD Programme Financial Award.  
2009-2010 Overseas student bursary. Cambridge Overseas Trust.  
Travel grants: Health Systems Optimization Workshop (Chicago, 2014), Health & Humanitarian Logistics Conference (Hamburg 2012).

## Invited conference and seminar presentations

- 2019 University of Maryland—Robert H. Smith Business School; University of Chicago—Booth Business School. INFORMS Healthcare 2019 (MIT).  
2018 Icahn School of Medicine — Arnhold Institute for Global Health; Riders for Health, Malawi; MSOM Annual Conference (UT Dallas); Emory University—IS&OM Workshop of Empirical Research; INFORMS Annual Meeting (Phoenix); Georgia Institute of Technology—ISyE; Malawi Ministry of Health — Diagnostics sub-committee.  
2017 Reykjavík University; Riders for Health, Malawi; INFORMS Annual Meeting (Houston); MIT — ORC.  
2016 MIT — Health Systems Innovation initiative; INFORMS Annual Meeting (Nashville); Deloitte Institute for Innovation and Entrepreneurship Research Symposium (Ditchley house); Workshop on Empirical Research in Operations Management (Wharton); London Ambulance Service; INFORMS International Meeting (Hawaii); UNC — Kenan-Flagler Business School; MIT — Sloan School of Management; INSEAD Business School; Harvard — Chan School of Public Health; IU — Kelley School of Business; UVA — Darden School of Business; CMU — Tepper School of Business; UCLA — Anderson School of Management; UCSD — Rady School of Management; McGill — Desautels Faculty of Management; Oxford — Said Business School.  
2015 INFORMS Annual Meeting (Philadelphia); IESE Business School.  
2014 Health Systems Optimization Workshop (Northwestern); INFORMS Annual Meeting (San Francisco).  
2013 Trans-Atlantic Doctoral Conference (LBS); INFORMS Healthcare (Chicago); EURO-INFORMS Joint International Meeting (Rome); MSOM Annual Conference (INSEAD).  
2012 Health & Humanitarian Logistics Conference (Poster) (Hamburg); MSOM Annual Conference (Columbia).

## Teaching

### MIT

- 2019 Healthcare Lab: Introduction to Healthcare Delivery (MBA Elective)  
2017-2019 Introduction to Operations Management (MBA)

### LBS (TA)

- 2014-2015 Operations Management (Executive MBA—London and Dubai)  
2011-2014 Innovating Business Models, Products, & Services (MBA Elective)

## Students

- Daniel Killian (ORC SM) 2019-Present  
Neal Kaw (ORC PhD) 2019-Present (joint with Nikos Trichakis)  
Denton Xiang He (LGO) 2019-Present (joint with Hermano Igo Krebs)  
Emma Gibson (ORC PhD) 2018-Present  
Merin Thomas (LGO) 2018-2019 (joint with David Simchi-Levi)  
Benjamin Awuondo (LGO) 2017-2018 (joint with Stanley B. Gershwin)  
Atikha Rizwan (SDM) 2017-2018  
Tim Scully (ORC SM) 2016-2017 (joint with Nikos Trichakis)

## Professional activities

Ad-hoc reviewer: Management Science, Operations Research, Manufacturing & Service Operations Management, Production and Operations Management, EJOR, Sustainability.

Competition reviewer: Pierskalla award (2016, 2017, 2019), MIT ORC best paper competition (2017, 2018), POMS Healthcare Best Paper Competition (2017), INFORMS Public Sector Operations Research Best Paper Competition (2017, 2018, 2019).

Co-organizer: INFORMS Healthcare 2019, Trans-Atlantic Doctoral Conference 2012.

Member: INFORMS, MSOM, HAS.

Last updated: August 19, 2019