

Stephen Francis Mann

Curriculum Vitae
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DOCTORAL RESEARCH

Communication and cooperation in evolutionary biology

An extended argument in favour of the use of concepts and methods from communication theory in studies of biological signalling. As a contribution to the philosophy of biology and the philosophy of science more broadly, this work benefits animal signalling theory, cognitive science and microbiology.

AOS (Philosophy of:) biology, information, language.

AOC Computational modelling, Ethics of artificial intelligence, philosophy of cognitive science.

EDUCATION

- 2016 – PRESENT **Doctor of Philosophy**
UNDER EXAMINATION (EXPECTED DEC 2020)
Philosophy
Australian National University (ANU)
- 2013-2015 **Doctor of Philosophy**
CANDIDACY WITHDRAWN TO ATTEND ANU
Philosophy
King's College London (KCL)
- 2006 – 2010 **Master in Science**
FIRST CLASS HONOURS
Mathematics and Philosophy
University of Bristol, UK

TEACHING

- MARCH 2020
Philosophy of Cognitive Science (3rd year)
Guest Lecturer (ANU)
- JULY 2019 - JAN 2020
The Moral and Political Philosophy of Artificial Intelligence (3rd year)
Co-convenor (ANU)
- JULY - NOV 2017
Biology, Society and Ethics (3rd year)
Tutor/Guest Lecturer (ANU)
- JULY - NOV 2017
Philosophy of Biology (2nd year)
Tutor/Guest Lecturer (ANU)
- SEPT 2014 - JAN 2015
Philosophy of Science (2nd year)
Elementary/Intermediate Logic (1st/2nd year)
Tutor (KCL)

PUBLICATIONS

Roberts, S., ... **Mann, S. F.**, ... (2020). CHIELD: The Causal Hypotheses in Evolutionary Linguistics Database. *Journal of Language Evolution*, 1-20. [10.1093/jole/lzaa001](https://doi.org/10.1093/jole/lzaa001)

Mann, S. F. (2020). Consequences of a functional account of information. *Review of Philosophy and Psychology*, 11(3), 669-687. [10.1007/s13164-018-0413-4](https://doi.org/10.1007/s13164-018-0413-4)

Mann S. F. (2018). Attribution of information in animal interaction. *Biological Theory*, 13 (3), 164-179. [10.1007/s13752-018-0299-5](https://doi.org/10.1007/s13752-018-0299-5)

Mann S. F. and Jessica Pfeifer (2018). Review of *Studying Animal Languages Without Translation: An Insight from Ants* by Zhanna Reznikova. *Quarterly Review of Biology*, 93 (1), 38. [10.1086/696753](https://doi.org/10.1086/696753)

IN PROGRESS

Mann, S. F., Pain, R., and Kirchoff, M. (invited, in progress). Free Energy: A User's Guide. Introduction to the Topical Collection 'The Free Energy Principle: From Biology to Cognition'. *Biology & Philosophy*.

SELECTED PRESENTATIONS

- 2019 **The mechanics of representation: teleosemantics meets the free energy principle (with Ross Pain)**
NOV PEER
REVIEWED *Mental Representations in a Mechanical World*
Ruhr-Universität Bochum
Bochum, Germany
- 2018 **Studying language change with evolutionary methods**
SEPT PEER
REVIEWED *Evolving Minds*
Charles Darwin University
Darwin, Australia

SERVICES TO THE PROFESSION

- Ad hoc reviewing**
Philosophy of Science
Biology and Philosophy
AVANT
- Public outreach**
2019 *HMI Interviews*
Conducted a series of filmed interviews with members of the Humanising Machine Intelligence project.
- 2019 *Radio appearance*
MAR Guest on *Talk the Talk* linguistics radio show (Perth, Australia) and podcast (global), speaking on animal communication and human language.