

Information for Contributors

The policies and procedures presented here are reproduced in greater detail on the publisher's website: <https://www.cambridge.org/core/journals/philosophy-of-science>

Submission Method: All submissions must be made through the *Philosophy of Science* Editorial Manager website: <https://www.editorialmanager.com/phos>. All electronic files should be readable in Microsoft Word or formatted as TeX or LaTeX. (Special restrictions apply to TeX and LaTeX documents; please see the website for details.) Other correspondence with the editorial office may be sent to: journal@philsci.org or *Philosophy of Science*, Department of Philosophy, University of Washington, Box 353350, Seattle, WA 98195, USA.

Manuscripts: Submissions must not exceed 9,500 words, including abstract, footnotes, and references; a word count must be submitted with each essay. Manuscripts should be submitted in a form suitable for blind review and should include an abstract of approximately 100 words. Authors are strongly encouraged to employ a clear, reader-friendly writing style.

Discursive footnotes (consecutively numbered) should be kept to a minimum. Simple citations can be made in the text, by citing author and year of publication (with page number if necessary); a bibliography should appear on a separate page at the end. A detailed guide to the reference style appears on the website.

Copyright: Manuscripts should be submitted to *Philosophy of Science* with the understanding that upon acceptance for publication an exclusive license to publish will be granted to the Philosophy of Science Association.

Book Reviews: Books intended for review should be sent to the address given above. Persons wishing to review a book should contact the editorial office.

Correspondence concerning PSA business matters should be addressed to Ryan Feigenbaum, Executive Director, Philosophy of Science Association, University of Cincinnati, Cincinnati, OH 45221 (e-mail: office@philsci.org). The Philosophy of Science Association website is at <http://philsci.org>.

Philosophy of Science

Contents

- 1 *Explaining Machine Learning Decisions*
JOHN ZERILLI
- 20 *Understanding Deep Learning with Statistical Relevance*
TIM RÄZ
- 42 *Scientific Theories as Bayesian Nets: Structure and Evidence Sensitivity*
PATRICK GRIM, FRANK SEIDL, CALUM MCNAMARA,
HINTON E. RAGO, ISABELL N. ASTOR, CAROLINE DIASO
AND PETER RYNER
- 70 *Energy Requirements Undermine Substrate Independence and
Mind-Body Functionalism*
PAUL THAGARD
- 89 *What Counts as a Memory? Definitions, Hypotheses, and “Kinding
in Progress”*
DAVID COLAÇO
- 107 *Does Neuroplasticity Support the Hypothesis of Multiple Realizability?*
AMBER MAIMON AND MEIR HEMMO
- 128 *Accuracy-First Epistemology Without Additivity*
RICHARD PETTIGREW
- 152 *There Is Cause to Randomize*
CRISTIAN LARROULET PHILIPPI

Discussion Notes

- 171 *Two Notions of Ecological Function*
ANTOINE C. DUSSAULT
- 180 *Answers at Gunpoint: On Livengood and Sytsma’s Revolver Case*
ALEXANDER MAX BAUER AND JAN ROMANN

Essay Review

- 193 *Recent Work in the Philosophy of Medicine: An Essay Review*
JOHN E. HUSS

Book Reviews

- 202 Review of Jeffrey A. Barrett’s *The Conceptual Foundations of
Quantum Mechanics*
BENJAMIN H. FEINTZEIG
- 205 Review of Jean Gayon and Victor Petit’s *Knowledge of Life Today*
DAVID DEPEW

Cambridge Core

For further information about this journal please go to
the journal website at: [cambridge.org/PSA](https://doi.org/10.1017/psa)

