



James Weatherall, UC Irvine assistant professor of logic & philosophy of science, is the author of *The Physics of Wall Street* which explores scientists' role on Wall Street.

department of  
**LOGIC &  
PHILOSOPHY  
OF SCIENCE**

uci logic &  
philosophy of  
science researchers  
ask *questions* like:

- ✓ Are mathematical claims true and false in the same ways that claims about the empirical world are?
- ✓ Do alternate quantum worlds exist, and if so, how do they shape our experience of the world we actually live in?
- ✓ Can evolutionary game theory help us understand how and why humans form social contracts ensuring fairness and cooperation?

their *findings*  
cross disciplinary boundaries

*Using the latest* scientific findings, mathematical logic and computer simulations, scholars in the Department of Logic & Philosophy of Science at UC Irvine investigate what we are able to know about the world through science, and precisely how it is that science enables us to know it.

The Department of Logic and Philosophy of Science brings together faculty and students interested in a wide range of topics including: general philosophy of science; philosophy of physics, biology, linguistics, and social science; foundations and philosophy of mathematics and logic; and philosophy of mathematics in application.

Together with the UC Irvine Department of Philosophy, the faculty who make up the LPS department contribute to the undergraduate curriculum at UC Irvine by teaching courses for a number of philosophy-related degree programs.

LPS faculty annually instruct and mentor a small, select group of graduate students who go on to teaching and research careers at top educational institutions around the world.

LPS also has strong connections with several science departments, including mathematics, physics, biology, computer science, economics and mathematical behavioral sciences.

## alumni & rankings:

Graduate alumni have gone on to pursue careers at academic institutions including:

- Carnegie Mellon University
- Kansas State University
- London School of Economics
- Northeastern University
- Northwestern University
- University of California, Irvine
- University of California, Merced
- University of Miami
- University of Missouri, St. Louis
- University of Notre Dame
- University of Washington
- University of Waterloo

The Philosophical Gourmet Report recently ranked the department's graduate program **#1 in the nation** in the philosophy of science and mathematics category.



Professor Jeff Barrett is working to resolve the quantum measurement problem.

## interested?

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## faculty

Jeffrey Barrett  
(Ph.D., Columbia University)  
philosophy of science, philosophy of physics

Jeremy Heis  
(Ph.D., University of Pittsburgh)  
history and philosophy of mathematics and logic, kant,  
early analytic philosophy

Simon Huttegger  
(Ph.D., University of Salzburg)  
game and decision theory, philosophy of biology,  
philosophy of science

Kent Johnson  
(Ph.D., Rutgers University)  
philosophy of psychology, philosophy of science,  
philosophy of linguistics

Penelope Maddy  
(Ph.D., Princeton University)  
philosophy of mathematics and logic, meta-philosophy

David Malament (emeritus)  
(Ph.D., Rockefeller University)  
foundations of physics, philosophy of space and time

Cailin O'Connor  
(Ph.D., UC Irvine)  
philosophy of biology, evolutionary game theory,  
philosophy of science

Brian Skyrms  
(Ph.D., University of Pittsburgh)  
philosophy of science, metaphysics

Kyle Stanford  
(Ph.D., UC San Diego)  
philosophy of biology, philosophy of science, epistemology  
and metaphysics, history of modern philosophy

Sean Walsh  
(Ph.D., University of Notre Dame)  
philosophy of mathematics, philosophy of logic,  
mathematical logic

James Weatherall  
(Ph.D., UC Irvine and Stevens Institute of Technology)  
philosophy of physics, philosophy of science, mathematical  
physics

Kai Wehmeier  
(Ph.D., Westfälische Wilhelms-Universität Münster)  
logic, philosophy of logic and language, early analytic  
philosophy, philosophy of mathematics