

2009 DARWIN CELEBRATION

Throughout calendar year 2009, the Boston Colloquium's entire program is devoted to examining and celebrating the life, work, and influence of Charles Darwin (1809–1882). This year marks the bicentennial of Darwin's birth and the sesquicentennial of the publication of *The Origin of Species*. Not only did Darwin stimulate the transformation of a largely descriptive "natural history" tradition into the scientific field we now call biology, but his theory has also deeply influenced all the human sciences. Further, Darwinism affects the way Western societies conceive of themselves and their citizens. In short, Darwinian evolution is more than a science; it has become integral to our metaphysics.

THE BOSTON COLLOQUIUM JUBILEE

The Boston University Center for Philosophy & History of Science, which sponsors the Boston Colloquium for Philosophy of Science, was established in 1960 by Professors Marx Wartofsky and Robert S. Cohen. They conceived a forum of scholarly exchange in the broadest interdisciplinary framework to characterize the natural and human sciences in their cultural and historical contexts. The Colloquium, which began as a Boston-based, informal inter-university collaboration, has become a premier stage for national and international dialogue on all aspects of the philosophy and history of science, mathematics, and logic. 2010 marks the Jubilee celebration of the Colloquium's founding and the final year of Professor Alfred Tauber's seventeen-year directorship of the Center.

DARWIN AND METAPHYSICS

Monday, October 19, 2009

Moderator: David Liebesman, Boston University

BABETTE BABICH, Fordham University
Nietzsche and Darwin

ROGER SMITH, Lancaster University
Evolution, Human Agency, and the Late Victorians

PATRICIA KITCHER, Columbia University
Freud, Darwin, and Diachronic Scientific Explanation

2–5 p.m.
Boston University
The Castle
225 Bay State Road

THEORIES OF EVOLUTION TODAY AND TOMORROW

Friday, November 6, 2009

Moderator: Alfred Tauber, Boston University

Morning Session: 10 a.m.–Noon

DAVID DEPEW, The University of Iowa
The Future of Darwinism

EVA JABLONKA, Tel Aviv University
Soft Inheritance in the 21st Century

Afternoon Session: 2–5 p.m.

PATRICIA FOSTER, Indiana University
Evolution Under Stress: Mechanisms of Adaptive Mutation in *Escherichia Coli*

SCOTT GILBERT, Swarthmore College
**The Arrival of the Fittest: Developmental Sources of Variation
Evolutionary Theory in the Molecular Age**

LYNN MARGULIS, University of Massachusetts
What, If Anything, Is "Random" About the Evolutionary History of Life?

Boston University
The Castle
225 Bay State Road

EVOLUTIONARY CONCEPTS IN MEDICINE AND PUBLIC HEALTH

Friday, November 20, 2009

Moderator: Robert Cohen, Boston University

RANDOLPH NESSE, University of Michigan
**Why Are Old Evolutionary Concepts
Still New in Medicine?**

GERALD KEUSCH, Boston University
Darwin and Public Health: Convergence or Conflict?

DAVID HAIG, Harvard University
Prader-Willi Syndrome and the Evolution of Human Childhood

CLAUDIO FRANCESCHI, University of Bologna
Aging and Immunosenesence in a Darwinian Perspective

1–5 p.m.
Boston University
The Castle
225 Bay State Road

DARWINISM TODAY: HISTORICAL AND PHILOSOPHICAL PERSPECTIVES

Monday, December 7, 2009

Moderator: Alisa Bokulich, Boston University

JANE MAIENSCHIN, Arizona State University
**Developmental Biology and Stem Cells
in the Context of Evolution**

SCOTT PODOLSKY, Harvard University
**Clonal Selection Theory and the Neo-Darwinian
Transformation of Immunology**

LENNY MOSS, University of Exeter
**What Is Selecting What? Reviewing Darwinism
at the Molecular-Ground Level**

PAUL CHURCHLAND, University of California, San Diego
**Naturalizing Epistemology: How Brains Get a Grip on
Unfolding Structures in Time**

1–5 p.m.
Boston University
The Castle
225 Bay State Road

PHILOSOPHY AND HISTORY OF SCIENCE: THEN AND NOW

Day 1: Perspectives

Thursday, April 15

Morning Session: 9 a.m.–Noon

Moderator: Daniel Dahlstrom, Boston University

MICHAEL LYNCH, Cornell University

The Checkered Career of Symmetry in Recent Social Studies of Science

Commentator: JEFF COULTER, Boston University

DON HOWARD, University of Notre Dame

The Trouble with Metaphysics

Commentator: JOHN STACHEL, Boston University

Afternoon Session: 2–5 p.m.

HILARY PUTNAM, Harvard University

On Not Writing Off Scientific Realism

Commentator: PETER BOKULICH, Boston University

ALASDAIR MACINTYRE, University of Notre Dame

**After Morgenbesser: The Continuing Messiness of the Social Sciences
and Some Related Incoherences**

Commentator: LEE MCINTYRE, Boston University

Day 2: Physics and Epistemology

Friday, April 16

Morning Session: 10 a.m.–Noon

Moderator: Alisa Bokulich, Boston University

STEVEN FRENCH, University of Leeds

Mixing in the Metaphysics: How Humble Should the Realist Be?

JOHN NORTON, University of Pittsburgh

Specialization and Fragmentation

Afternoon Session: 2–5 p.m.

JAAKKO HINTIKKA, Boston University

Induction, Then and Now

MARGARET MORRISON, University of Toronto

Changing Trends in the Epistemology of Science: Theory Meets Practice

NANCY CARTWRIGHT, London School of Economics

Putting Philosophy of Science to Use: Does Studying "Actual Practice" Help?

Day 3

Saturday, April 17

Morning Session: Biology

9 a.m.–Noon

Moderator: Alfred Tauber, Boston University

ELISABETH LLOYD, Indiana University

Models, Explanations, and Variation

ALEX ROSENBERG, Duke University

Invariants, Arms Races, and Natural Selection in Human Affairs

SAHOTRA SARKAR, University of Texas

After Biodiversity?

Afternoon Session: Summing Up

1:30–4 p.m.

ROBERT COHEN, Boston University

Reflections on the Past

ALFRED TAUBER, Boston University

Reflections on the Future

Round Table Discussion

Thursday–Saturday, April 15–17, 2010

Boston University

The Castle

225 Bay State Road

The Boston University Center for Philosophy & History of Science began as an informal inter-university collaboration of colleagues in philosophy, the natural and social sciences, history, psychology, religious studies, and the arts to stimulate exchange concerning all aspects of the philosophy and history of science, mathematics, and logic. The Center seeks to examine, in the broadest humanistic and social context, the factors that govern the theory and practice of science. The Colloquium, reflecting the Center's multifaceted agenda, is an eclectic program that attempts to foster interdisciplinary and international scholarly dialogue concerning the intellectual and social infrastructure of science and mathematics from all historical periods and from diverse cultures. All lectures are open to the public. Selected proceedings of the Colloquium appear in *Boston Studies in the Philosophy of Science* (Kluwer Academic Publishers; a list is available from the Center). In addition, the Center sponsors postgraduate research fellows who have come from thirty-five countries. Alfred I. Tauber, Director; Peter Bokulich, Associate Director; Robert S. Cohen, Director Emeritus.

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Boston University
Boston, Massachusetts 02215

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Boston University Center for Philosophy & History of Science

**BOSTON COLLOQUIUM
FOR
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2009-2010

FIFTIETH ANNUAL PROGRAM