

Philosophy Of Biology

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biology is a subfield of philosophy of science, which deals with epistemological, metaphysical, and ethical issues in the biological and biomedical sciences. Although philosophers of science and philosophers generally have long been interested in biology (e.g., Aristotle, Descartes, and even Kant), philosophy of biology only emerged

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as an independent field
of philosophy in ...

Philosophy of biology - Wikipedia

Recent textbooks
include Elliott Sober's
Philosophy of Biology
(Sober 1999), Kim
Sterelny and Paul
Griffiths's Sex and
Death: An Introduction
to Philosophy of
Biology (1999),
Marjorie Greene and
David Depew's The
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An Episodic History
(2004), Brian Gavey's
Philosophy of Biology
(2007), Alexander
Rosenberg and Daniel
McShea's Philosophy of
Biology: A
contemporary ...

Philosophy of Biology (Stanford Encyclopedia of Philosophy)

For instance,
philosophy of biology
makes biology relevant
to classic issues in

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philosophy of science such as causation and explanation, chance, progress, history, and reductionism. It also works to characterize how knowledge is acquired and modified in different areas of biology, and sometimes to clarify the criteria that demarcate science from non-science.

**Philosophy of
Biology | Internet**

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Encyclopedia of Philosophy

Biology, philosophy of, philosophical speculation about the concepts, methods, and theories of the biological sciences. The sharp increase in understanding of biological processes that has occurred since the mid-20th century has stimulated philosophical interest in biology to an extent unprecedented since

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the first formulation of evolutionary theory in the 1850s.

Biology, philosophy of | Britannica

Philosophy of Biology is a rapidly expanding field. It is concerned with explanatory concepts in evolution, genetics, and ecology. This collection of 25 essays by leading researchers provides an overview of the state of the field. These

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essays are wholly new;
none of them could
have been written even
ten years ago.

Philosophy of Biology | ScienceDirect

Philosophy of Biology:
The analysis of living
systems can generate
both knowledge and
illusions Antony M Jose
By thinking about
experimental
techniques in terms of
six broad approaches -

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perturbation,
visualization,
substitution,
characterization,
reconstitution, and
simulation –
researchers may be
able to generate more
reliable inferences.

Philosophy of Biology | Collections | eLife

The traditional
philosophy of science
approach to prediction
leaves little room for

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appreciating the value and potential of imprecise predictions.

... The argument is illustrated and supported by an example from conservation biology, where imprecise models were instrumental in saving the kōkako from extinction.

Operationalizing Goal

...

Philosophy Theory

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Our fascination with biological individuality dates back to Aristotle, possibly earlier, and has been a central issue in immunology from the end of the 19th century (Medawar, 1957; Richet, 1894). The fundamental question raised by reflections on biological individuality is what makes a living being a cohesive,

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relatively well-delineated and often unique entity that remains the 'same' through ...

Philosophy of Biology: Immunology and individuality | eLife

Biology & Philosophy aims to publish the best original work in philosophy of biology, broadly understood to span conceptual, theoretical, and

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methodological issues in the biological sciences. It is aimed at a broad readership across the sciences and humanities, and welcomes submissions from authors in these disciplines.

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The Importance of Homology for Biology and Philosophy.

September 2007, issue 4; June 2007, issue 3;

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March 2007, issue 2;
January 2007, issue 1;
Volume 21 January -
November 2006.
November 2006, issue
5. Richard Levins'
Philosophy of Science.
September 2006, issue
4; June 2006, issue 3;
March 2006, issue 2;
January 2006, issue 1;
Volume 20 ...

**Biology &
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Volumes and issues**
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Biology, philosophy of -
Topics in the
philosophy of biology:
Without doubt, the
chief event in the
history of evolutionary
theory was the
publication in 1859 of
On the Origin of
Species, by Charles
Darwin (1809–82).
Arguing for the truth of
evolutionary theory
may be conceived as
involving three tasks:
namely, establishing
the fact of

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evolution—showing
that it is ...

Biology, philosophy of - Topics in the philosophy of ...

"Philosophy of Biology
is a valuable addition
to the introductions
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one that stands out in
many ways."—Joeri
Witteveen, History and
Philosophy of Life
Sciences "This
accessible book does
justice both to the

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subject and the reader.

Philosophy of Biology | Princeton University Press

The literature on the philosophy of biology is enormous; what follows only scratches the surface. Here I have restricted myself mainly to evolutionary biology, although there are short sections on evolutionary epistemology and evolutionary ethics.

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Philosophy of biology | Research guide | HPS

Summary: Philosophy of biology generally covers the issues that arise from the science and history of biology. It includes evolutionary, developmental, environmental and genetic biology, as well as such issues as evolutionary ethics and epistemology, the

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general notions of biological information, function, classification and heredity.

Philosophy of Biology - Bibliography - PhilPapers

Alex Rosenberg is R. Taylor Cole Professor of Philosophy at Duke University. He is the author of *Philosophy of Science: a Contemporary Introduction* (2nd

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edition, 2005) and co-editor with Yuri Balashov of *Philosophy of Science: Contemporary Readings* (2002). Daniel W. McShea is Associate Professor of Biology at Duke University.

**Philosophy of
Biology: A
Contemporary
Introduction - 1st ...**
Feminist philosophy of
biology deploys

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feminist philosophical methods to examine the categories of sex and gender (sex and gender will be explained below) and its focus can range from considerations of particular biological knowledge claims to considerations of foundational concepts and methodologies in biology, the philosophy of biology, and the philosophy of science.

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**Feminist Philosophy
of Biology (Stanford
Encyclopedia of ...**

Philosophy of Biology:
A Very Short
Introduction Samir
Okasha Very Short
Introductions. Offers an
accessible introduction
to the core issues in
the expanding field of
philosophy of biology,
such as the theory of
evolution by natural
selection; the concepts
of function and design;
biological individuality;

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and the debate over
adaptationism

Philosophy of Biology: A Very Short Introduction - Samir ...

Over the last forty years the philosophy of biology has emerged as an important sub-discipline of the philosophy of science. Covering some of science's most divisive topics, such as philosophical issues in

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genetics, it also encompasses areas where modern biology has increasingly impinged on traditional philosophical questions, such as free will, essentialism, and nature vs nurture.

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"The Philosophy of Biology: A Companion for Educators is an

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important and comprehensive contribution to biology and biology education authored by a remarkable group of scholars. The nature of science has a unique flavor within biology and editor Kostas Kampourakis has assembled experts with both the expertise and communication skills to comment engagingly on virtually every aspect of the ...

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