

Biology Who Am I Answers

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Transgressive Rachel Anne Williams 2019-05-21 How do I know I am trans? Is trans feminism real feminism? What is there to say about trans women's male privilege? This collection of insightful, pithy and passionately argued think pieces from a trans-feminist perspective explores issues surrounding gender, feminism and philosophy and challenges misconceptions about trans identities. The book confronts contentious debates in gender studies to alleviate ongoing tension between feminism and trans women. Split into six sections, this collection covers wider issues, as well as autobiographical experiences, designed to stimulate the reader and encourage them to actively participate.

Strategic Implications of Chemical and Biological Warfare United States. Congress. House. Committee on Foreign Affairs. Subcommittee on International Security and Scientific Affairs 1980

The Molecular Biology of Cell Determination and Cell Differentiation Leon W. Browder 2012-12-06 This series was established to create comprehensive treatises on specific topics in developmental biology. Such volumes serve a useful role in developmental biology, which is a very diverse field that receives contributions from a wide variety of disciplines. This series is a meeting ground for the various practitioners of this science, facilitating an integration of heterogeneous information on specific topics. Each volume is comprised of chapters selected to provide the conceptual basis for a comprehensive understanding of its topic as well as an analysis of the key experiments upon which that understanding is based. The specialist in any aspect of developmental biology should understand the experimental background of the specialty and be able to place that body of information in context, in order to ascertain where additional research would be fruitful. The creative process then generates new experiments. This series is intended to be a vital link in that ongoing process of learning and discovery.

Scientific Proceedings of the Annual Meeting of the American Veterinary Medical Association American Veterinary Medical Association 1914

Scientific Proceedings of the Annual Meeting American Veterinary Medical Association 1914

Love, Reason and Will Anthony Rudd 2015-10-22 An introduction to the philosophy of love,

bridging analytic and continental philosophy and the philosophy of religion, through the writings of Harry G. Frankfurt and Soren Kierkegaard.

The Molecular Biology of Cancer Stella Pelengaris 2013-05-28 The Molecular Biology of Cancer, Stella Pelengaris & Michael Khan This capturing, comprehensive text, extensively revised and updated for its second edition, provides a detailed overview of the molecular mechanisms underpinning the development of cancer and its treatment. "Bench to Bedside": A key strength of this book that sets it apart from general cancer biology references is the interweaving of all aspects of cancer biology from the causes, development and diagnosis through to the treatment and care of cancer patients – essential for providing a broader view of cancer and its impact. The highly readable presentation of a complex field, written by an international panel of researchers, specialists and practitioners, would provide an excellent text for graduate and undergraduate courses in the biology of cancer, medical students and qualified practitioners in the field preparing for higher exams, and for researchers and teachers in the field. For the teaching of cancer biology, special features have been included to facilitate this use: bullet points at the beginning of each chapter explaining key concepts and controversial areas; each chapter builds on concepts learned in previous chapters, with a list of key outstanding questions remaining in the field, suggestions for further reading, and questions for student review. All chapters contain text boxes that provide additional and relevant information. Key highlights are listed below: An overview of the cancer cell and important new concepts. Selected human cancers: lung, breast, colorectal, prostate, renal, skin, cervix, and hematological malignancies. Key cellular processes in cancer biology including (a) traditionally important areas such as cell cycle control, growth regulation, oncogenes and tumour suppressors apoptosis, as well as (b) more highly topical areas of apoptosis, telomeres, DNA damage and repair, cell adhesion, angiogenesis, immunity, epigenetics, and the proteasome. Clinical oncology: In-depth coverage of important concepts such as screening, risk of cancer and prevention, diagnoses, managing cancer patients from start to palliative care and end-of-life pathways. Chapters highlighting the direct links between cancer research and clinical applications. New coverage on how cancer drugs are actually used in specific cancer patients, and how therapies are developed and tested. Systems Biology and cutting edge research areas covered such as RNA interference (RNAi). Each chapter includes key points, chapter summaries, text boxes, and topical references for added comprehension and review. Quotations have been used in each chapter to introduce basic concepts in an entertaining way. Supported by a dedicated website at www.blackwellpublishing.com/pelengaris We should list the great reviews we got for first edition which are on the back of the 2nd edition: "A capturing, comprehensive, clearly written and absolutely accurate introduction into cancer biology.....This book deserves great praise for the readable presentation of this complex field....the true synthesis of bench and bedside approaches is marvelously achieved." Christian Schmidt, Molecular Cell "Chapters address the issues of cancer diagnosis, treatment, and patient care and set the book apart from general molecular biology references....This book is applicable to both graduate and undergraduate students, and in the context of a research laboratory, this book would be an excellent resource as a reference guide for scientists at all levels." V.Emuss, Institute of Cancer Research, London. Also, from the first edition: "Pelengaris, Khan, and the contributing authors are to be applauded. The Molecular Biology of Cancer is a comprehensive and readable presentation of the many faces of cancer from molecular mechanisms to clinical therapies and diagnostics. This book will be welcomed by neophyte students, established scientists in other fields, and curious physicians." -Dean Felsher, Stanford University

The Publishers Weekly 1917

The Molecular Biology of Gaia George Ronald Williams 1996-11-12 -- Northeastern Naturalist

Biology and Emotion Neil McNaughton 1989-07-13 An independent approach to the analysis of emotion asserts that biological and evolutionary considerations are useful in understanding its basic components and applies the concept to a wide variety of emotional phenomena.

Biology for the IB Diploma Andrew Allott 2001 This concise guide provides all the content you need for the IB Diploma in Biology at both Standard and Higher Level.* Follows the structure of the IB Programme exactly and include all the options* Each topic is presented on its own page for clarity* Standard and Higher Level material clearly indicated* Plenty of practice questions* Written with an awareness that English may not be the reader's first language

International Biological Program United States. Congress. Senate. Labor and Public Welfare 1970

Microbeam Analysis in Biology Claude Lechene 2012-12-02 Microbeam Analysis in Biology contains the proceedings of a workshop on Biological X-Ray Microanalysis by Electron Beam Excitation, held in Boston, Massachusetts on August 25-26, 1977. This book focuses on the principles, techniques, and biological use of electron probe microanalysis, energy-loss spectroscopy, and ion probe microanalysis. This text reflects the emphasis of the workshop on presenting the principles of analysis, the optimization of operating conditions, the description of successful techniques for sample preparation and quantitation, the illustration of problems and pitfalls, and the direction of microbeam analysis in biology.

Proceedings of the Fifth International Congress on Mathematical Education CARASS 2013-03-14 International Congresses on Mathematical Education (ICMEs), under the auspices of the International Commission on Mathematical Instruction, are held every four years. Previous Congresses have been held in France (Lyons), England (Exeter), the Federal Republic of Germany (Karlsruhe), and the United States of America (Berkeley). The Fifth International Congress on Mathematical Education (ICME 5) was held in Adelaide, Australia, from August 24-30, 1984. More than 1800 participants from over 70 countries participated in the Congress, while some additional 200 people attended social functions and excursions. The program for ICME 5 was planned and structured by an International Program Committee, and implemented by the National Program Committee in Australia. For the main body of the program, Chief Organisers, assisted by Australian Coordinators, were invited to plan and prepare the individual components of the program which addressed a wide range of topics and interest areas. Each of these teams involved many individuals from around the world in the detailed planning and preparation of the working sessions for their area of program responsibility. For the actual working sessions at the Congress, the smallest group had some 60 members, while the largest had well over 300. In addition to the working sessions, there were three major plenary addresses, several specially invited presentations, and over 420 individual papers in the form of short communications, either as posters or brief talks.

Proceedings of the Annual Meeting American Veterinary Medical Association 1914

Space Biology Syllabus for High School Teachers Robert J. Hilbert 1966

Plenty of Room for Biology at the Bottom Ehud Gazit 2013 This expanded and updated edition of the 2007 version introduces readers from various backgrounds to the rapidly growing interface between biology and nanotechnology. It intellectually integrates concepts, applications, and outlooks from these major scientific fields and presents them to readers from diverse backgrounds in a comprehensive and didactic manner. Written by two leading nanobiologists actively involved at the forefront of the field both as researchers and educators, this book takes the reader from the fundamentals of nanobiology to the most advanced applications. The book fulfills a unique niche: to address not only students, but also scientists who are eager (and nowadays obliged) to learn about other state-of-the-art disciplines. The book is written in such a way as to be accessible to biologists, chemists, and physicists with no background in nanotechnology (for example biologists who are interested in inorganic nanostructures or physicists who would like to learn about biological assemblies and applications thereof). It is reader-friendly and will appeal to a wide audience not only in academia but also in the industry and anyone interested in learning more about nanobiotechnology.

Biology Vernon L. Avila 1995 Biological Sciences

Biology Question Generation from a Semantic Network Lishan Zhang 2015 Science instructors need questions for use in exams, homework assignments, class discussions, reviews, and other instructional activities. Textbooks never have enough questions, so instructors must find them from other sources or generate their own questions. In order to supply instructors with biology questions, a semantic network approach was developed for generating open response biology questions. The generated questions were compared to professional authorized questions. To boost students learning experience, adaptive selection was built on the generated questions. Bayesian Knowledge Tracing was used as embedded assessment of the students current competence so that a suitable question could be selected based on the students previous performance. A between-subjects experiment with 42 participants was performed, where half of the participants studied with adaptive selected questions and the rest studied with mal-adaptive order of questions. Both groups significantly improved their test scores, and the participants in adaptive group registered larger learning gains than participants in the control group. To explore the possibility of generating rich instructional feedback for machine-generated questions, a question-paragraph mapping task was identified. Given a set of questions and a list of paragraphs for a textbook, the goal of the task was to map the related paragraphs to each question. An algorithm was developed whose performance was comparable to human annotators. A multiple-choice question with high quality distractors (incorrect answers) can be pedagogically valuable as well as being much easier to grade than open-response questions. Thus, an algorithm was developed to generate good distractors for multiple-choice questions. The machine-generated multiple-choice questions were compared to human-generated questions in terms of three measures: question difficulty, question discrimination and distractor usefulness. By recruiting 200 participants from Amazon Mechanical Turk, it turned out that the two types of questions performed very closely on all the three measures.

International Biological Program United States. Congress. Senate. Committee on Labor and Public Welfare. Subcommittee on Health 1970

How to prepare for the biology olympiad Martyna Petrulyte 2019-05-09 Science competitions test a student's level of knowledge, power of scientific reasoning, and analytical thinking outside of the regular school curriculum. A systematic approach and smart study regimen are both required to get good results in science competitions. In this book, you will find many tips and tricks for how to study and prepare for science olympiads. Moreover, you will learn how to:

- boost your motivation
- cope with failures and anxiety before the tests
- defeat procrastination
- manage your time
- memorize information quicker and more effectively
- organize your study material
- read a science textbook
- plan your study schedule
- develop practical skills
- get into and survive in the lab.

Furthermore, you will find essential test-taking strategies for tackling the olympiad exams and example-based tips on how to develop critical thinking and problem solving skills.

Computational Modeling: From Chemistry To Materials To Biology - Proceedings Of The 25th Solvay Conference On Chemistry Kurt Wuthrich 2020-12-21 Chaired by K Wüthrich (Nobel Laureate in Chemistry, 2002) and co-chaired by B Weckhuysen, this by-invitation-only conference has gathered 39 participants — who are leaders in the field of computational modeling and its applications in Chemistry, Material Sciences and Biology. Highlights of the Conference Proceedings are short, prepared statements by all the participants and the records of lively discussions on the current and future perspectives in the field of computational modeling, from chemistry to materials to biology.

Sketching Theoretical Biology C. H. Waddington 2009-12-01 The purpose of this volume is to bring together a number of elements that would be useful in the construction of a coherent and comprehensive theory of biology. Based on the assumption that living systems represent some kind of "organized complexity," the collection discusses meaningful ways of formulating two basic questions: what is the nature of this complexity; and, what are the principles of its organization? The question always asked about biological theory is whether or not it constitutes useful scientific theory. Because many useful biological theories cannot yet be made explicit in terms of conventional physics, *Sketching Theoretical Biology* illustrates the types of questions in biology that correspond to the types of issues discussed in theoretical physics. This book, originally published in 1969, centers around a vigorous debate on the role played by metaphysical beliefs in determining scientific attitudes. The discussion covers heredity and evolution, cognitive processes and control processes, general property of hierarchies, and the current status of neo-Darwinism. Contributors include theoretical physicists, philosophers, neuroscientists, theoretical chemists, computer scientists, chemical engineers, geneticists and molecular biologists.

Proceedings of the American Veterinary Medical Association American Veterinary Medical Association 1914

Conversations About Biology Howard Burton 2020-10-01 *Conversations About Biology* include the following five carefully-edited Ideas Roadshow *Conversations* featuring leading researchers with a detailed preface highlighting the connections between the different books: I. Autism: A Genetic Perspective - A conversation with Jay Gargus, Professor of Physiology, Biophysics and Pediatrics and Director of the Center for Autism Research and Translation at UC Irvine. This wide-ranging conversation examines the recent explosion in our genetic understanding of autism and its implications for the future of medicine, together with the importance of understanding the underlying molecular mechanisms in order to successfully treat a wide

range of genetic disorders. Jay Gargus focuses on autism, dispelling myths associated with the condition, advocating why a treatment should be actively pursued, and illustrating what we can learn from the recent breakthrough in cystic fibrosis research. II. Learning and Memory - A conversation with Alcino Silva, Distinguished Professor of Neurobiology, Psychiatry and Psychology at the David Geffen School of Medicine and Director of the Integrated Center for Learning and Memory at UCLA. This book is based on an in-depth filmed conversation between Howard Burton and Alcino Silva who runs a learning and memory lab at UCLA that is focused on a vast number of topics, from schizophrenia and autism to learning and memory. This fascinating conversation explores how he and his colleagues focus on understanding the specific molecular mechanisms of neurobiology with the goal of being able to intervene and repair these mechanisms when they go awry. III. A Matter of Energy: Biology From First Principles - A conversation with Nick Lane, Professor of Evolutionary Biochemistry at University College London. This book is based on an in-depth filmed conversation between Howard Burton and Nick Lane.. After an inspiring story of Nick Lane's career path, this wide-ranging conversation covers his bioenergetic view of early, evolutionary history, the origin of life and how all complex life is composed of a very particular cell type that we all share, and more. IV. Our Human Variability - A conversation with Stephen Scherer, the GlaxoSmithKline Research Chair in Genome Sciences at the Hospital for Sick Children and University of Toronto. This book is based on an in-depth filmed conversation between Howard Burton and Stephen Scherer who discusses his lifelong passion for science that culminated in his groundbreaking discovery of copy-number variation. This conversation also covers his exciting work in autism research and how copy number variation brings us a deeper understanding of both human variability and disease. V. Sleep Insights - A conversation with Matthew Walker, Professor of Neuroscience and Psychology and Founder and Director of the Center for Human Sleep Science at UC Berkeley. This book is based on an in-depth filmed conversation between Howard Burton and Matthew Walker. This extensive conversation gives a clear and compelling picture of our recent understanding of sleep's essential role in our daily lives, from reinforcing learning and memory to regulating emotion. Howard Burton is the creator and host of Ideas Roadshow and was the Founding Executive Director of Perimeter Institute for Theoretical Physics.

Life: An Introduction to Complex Systems Biology Kunihiro Kaneko 2006-09-14 This book examines life not from the reductionist point of view, but rather asks the questions: what are the universal properties of living systems, and how can one construct from there a phenomenological theory of life that leads naturally to complex processes such as reproductive cellular systems, evolution and differentiation? The presentation is relatively non-technical to appeal to a broad spectrum of students and researchers.

Publishers Weekly 1912

Women in Field Biology Martha L. Crump 2022-08-23 Women are contributing to disciplines once the sole domain of men. Field biology has been no different. The history of women field biologists, embedded in a history largely made and recorded by men, has never been written. Compilations of biographies have been assembled, but the narrative—their story—has never been told. In part, this is because many expressed their passion for nature as writers, artists, collectors, and educators during eras when women were excluded from the male-centric world of natural history and science. The history of women field biologists is intertwined with men's changing views of female intellect and with increasing educational opportunities available to women. Given the preponderance of today's professional female ecologists, animal

behaviorists, systematists, conservation biologists, wildlife biologists, restoration ecologists, and natural historians, it is time to tell this story—the challenges and hardships they faced and still face, and the prominent role they have played and increasingly play in understanding our natural world. For a broader perspective, we profile selected European women field biologists, but our primary focus is the journey of women field biologists in North America. Each woman highlighted here followed a unique path. For some, personal wealth facilitated their work; some worked alongside their husbands. Many served as invisible assistants to men, receiving little or no recognition. Others were mavericks who carried out pioneering studies and whose published works are still read and valued today. All served as inspiration and proved to the women who would follow that women are as capable as men at studying nature in nature. Their legacy lives on today. The 75 female field biologists interviewed for this book are further testament that women have the intellect, stamina, and passion for fieldwork.

Mass Spectrometry in Biology & Medicine A.L. Burlingame 1999-09-14 Leading practitioners detail revolutionary new spectrometric techniques for the identification and covalent structural characterization of macromolecules, proteins, glycoconjugates, and nucleic acids. Based on the Fourth International Symposium on Mass Spectrometry in the Health and Life Sciences held in San Francisco in 1998, this invaluable book contains tested strategies for solving many significant biomedical research problems. The techniques use mass spectrometry, automated computer processing of spectral information, and gene, protein, and EST databases for genomic and proteomic correlations. Mass Spectrometry in Biology and Medicine offers a unique opportunity to explore and apply these new techniques of mass spectrometry that are revolutionizing the identification and structural characterization of proteins, carbohydrates, and nucleic acids.

H.J. Res. 1240, International Biological Program, Hearings Before the Subcommittee on Science, Research and Development...90-2, May 1, 2, 1968 United States. Congress. House. Science and Astronautics 1968

The Handy Biology Answer Book Patricia Barnes-Svarney 2014-07-21 Gene Therapy. DNA Profiling. Cloning. Stem Cells. Super Bugs. Botany. Zoology. Sex. The study of life and living organisms is ancient, broad, and ongoing. The thoroughly revised and completely updated second edition of *The Handy Biology Answer Book* examines, explains, and traces mankind's understanding of this important topic. From the newsworthy to the practical and from the medical to the historical, this entertaining and informative book brings the complexity of life into focus through the well-researched answers to nearly 1,300 common biology questions, including ... • What is social Darwinism? • Is IQ genetically controlled? • Do animals commit murder? • How did DNA help “discover” King Richard III? • Is obesity inherited? *The Handy Biology Answer Book* covers all aspects of human, animal, plant, and microbial biology. It also introduces the scientists behind the breathtaking advances, tracing scientific history and milestones. It explains the inner workings of cells, as well as bacteria, viruses, fungi, plant and animal characteristics and diversity, endangered plants and animals, evolution, adaptation and the environment, DNA and chromosomes, genetics and genetic engineering, laboratory techniques, and much more. This handy reference is the go-to guide for students and the more learned alike. It's for anyone interested in life!

Monkey Two Paul Adams 2017-10-05 In 1925, the State of Tennessee enacted a law that prohibited the teaching of evolution in public schools, specifically, that man came from apes.

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The law was immediately challenged by the ACLU and pitted two famous lawyers Clarence Darrow and William Jennings Bryan, a religious Fundamentalist and one-time presidential candidate, in a bruising contest. The case became famous, known as the Monkey Trial. In this fictional trial, a high school teacher was fired for introducing religion into his biology class in the form of criticism of Darwinism. The trial involves expert witnesses from a variety of fields who defend and attack Darwinism, but not merely from a biology point-of-view. There are deep religion/atheism, legal, political, philosophical and cultural issues that are at stake and reflect today's bifurcated society. The Supreme Court cases in the past fifty years on the Establishment Clause of the First Amendment are demonstrated as in disarray especially in school-religion cases. The famous bioatheist, Richard Dawkins, is called out for his trenchant criticism of Christians and distortion of Darwinism to achieve his ends. The lawyers are cut from vastly different cloth - an ex-Vietnam soldier and an anti-war conscientious objector. But the scientific and religious experts do most of the talking from the witness stand. The present book describes the preparation for and First Week of Trial.

Creating a Physical Biology Phillip R. Sloan 2011-12-01 In 1935 geneticist Nikolai Timoféeff-Ressovsky, radiation physicist Karl G. Zimmer, and quantum physicist Max Delbrück published "On the Nature of Gene Mutation and Gene Structure," known subsequently as the "Three-Man Paper." This seminal paper advanced work on the physical exploration of the structure of the gene through radiation physics and suggested ways in which physics could reveal definite information about gene structure, mutation, and action. Representing a new level of collaboration between physics and biology, it played an important role in the birth of the new field of molecular biology. The paper's results were popularized for a wide audience in the What is Life? lectures of physicist Erwin Schrödinger in 1944. Despite its historical impact on the biological sciences, the paper has remained largely inaccessible because it was only published in a short-lived German periodical. Creating a Physical Biology makes the Three Man Paper available in English for the first time. Brandon Fogel's translation is accompanied by an introductory essay by Fogel and Phillip Sloan and a set of essays by leading historians and philosophers of biology that explore the context, contents, and subsequent influence of the paper, as well as its importance for the wider philosophical analysis of biological reductionism.

Key Philosophers in Conversation Andrew Pyle 1999 *Key Philosophers in Conversation* is a fascinating collection of interviews presenting the ideas of some of the world's leading contemporary philosophers. Each interview features a discussion with a key philosopher looking at philosophical issues such as; the philosophy of mind, ethics, science, political philosophy and the history of philosophy. Those interviewed are; W.V.O Quine, Michael Dummett, Mary Warnock, Hilary Putnam, Alasdair MacIntyre, Daniel Dennett, Martha Nussbaum, Roger Scruton, Bernard Williams, Jean Hampton, Richard Dawkins, Derek Parfit, Peter Strawson, David Gauthier, Hugh Mellor, John Cottingham, Adam Morton, Stefan Körner, Richard Sorabji and Nancy Cartwright. This book offers an excellent insight to contemporary philosophy and is ideal for anyone seeking an introduction to what is happening in Philosophy today.

Biology 2e Mary Ann Clark 2018-04

Hearings United States. Congress. House. Committee on Science and Astronautics 1968

Concepts, Theories, and Rationality in the Biological Sciences Gereon Wolters

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1995-07-15 Leading biologists and philosophers of biology discuss the basic theories and concepts of biology and their connections with ethics, economics, and psychology, providing a remarkably unified report on the “state of the art” in the philosophy of biology.

Philosophy of Systems Biology Sara Green 2016-12-15 The emergence of systems biology raises many fascinating questions: What does it mean to take a systems approach to problems in biology? To what extent is the use of mathematical and computational modelling changing the life sciences? How does the availability of big data influence research practices? What are the major challenges for biomedical research in the years to come? This book addresses such questions of relevance not only to philosophers and biologists but also to readers interested in the broader implications of systems biology for science and society. The book features reflections and original work by experts from across the disciplines including systems biologists, philosophers, and interdisciplinary scholars investigating the social and educational aspects of systems biology. In response to the same set of questions, the experts develop and defend their personal perspectives on the distinctive character of systems biology and the challenges that lie ahead. Readers are invited to engage with different views on the questions addressed, and may explore numerous themes relating to the philosophy of systems biology. This edited work will appeal to scholars and all levels, from undergraduates to researchers, and to those interested in a variety of scholarly approaches such as systems biology, mathematical and computational modelling, cell and molecular biology, genomics, systems theory, and of course, philosophy of biology.

Fish biology in Japan: an anthology in honour of Hiroya Kawanabe Masahide Yuma 2013-04-17 This volume is a collection of papers assembled to honor Hiroya Kawanabe, an eminent Japanese ecologist who studied fishes and other organisms. Kawanabe retired from his position as Professor at Kyoto University in March 1996. In the first section of the volume his career is highlighted by a biography describing his life and work, a bibliography of his more than 750 lifetime publications, and a personal interview with a colleague who has been close to his work throughout his career. Papers in the second section of the volume include invited reviews of research on fish ecology in Japan, a historical overview of freshwater fishes of Japan, and recent studies on sex change among reef fishes. The 24 papers in the third section of the volume by Japanese fish biologists and their collaborators cover a wide variety of topics on fish biology. These include papers on evolution, genetics, systematics, reproductive biology, early life history, life history variation, behavior, physiology, ecology, and zoogeography. These papers address fishes from lentic, lotic, and marine ecosystems in Japan, Asia, Africa, North America, and in some cases worldwide. One of Hiroya Kawanabe's most brilliant and lasting contributions was to foster collaboration between Japanese ecologists and other scientists.

The Biology and Psychology of Moral Agency William Andrew Rottschaefter 1998 Brings findings and theories in biology and psychology to bear on ethics.