

Biology In Context The Spectrum Of Life

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Australian national bibliography 1962

The Concise Encyclopedia of the Ethics of New Technologies

2000-11-06 The ethical assessment of new technologies raises two principal concerns: the need to develop effective policies and legislation, and the reconsideration of the ethical frameworks in which these policies and laws are developed. The importance of rapid, accurate examinations of tensions between Philosophy and Law and the relationship between philosophical principles and empirical data has never been greater. The Concise Encyclopedia of Ethics of New Technologies includes 23 articles previously published in the highly-acclaimed Encyclopedia of Applied Ethics, nine updated articles, and five new articles, commissioned especially for this volume. Over half of the previously published articles include updated facts and bibliographic citations. Authors of genetics articles have updated their works to include the most recent developments and publications. New articles include: "Cloning," "Geneticization," "Health Technology Assessment," "Intrinsic and Instrumental Value," and "Novel Foods." Articles fall into these subject categories: Medical Ethics; Scientific Ethics; Theories of Ethics; Environmental Ethics; Legal Ethics;

Ethical Concepts

The Living Cosmos Chris Impey 2011-06-02 Considering the development of life on Earth, the existence of life in extreme environments and the potential for life elsewhere in the Universe, this book gives a fascinating insight into our place in the Universe. Chris Impey leads the reader through the history, from the Copernican revolution to the emergence of the field of astrobiology - the study of life in the cosmos. He examines how life on Earth began, exploring its incredible variety and the extreme environments in which it can survive. Finally, Impey turns his attention to our Solar System and the planets beyond, discussing whether there may be life elsewhere in the Universe. Written in non-technical language, this book is ideal for anyone wanting to know more about astrobiology and how it is changing our views of life and the Universe. An accompanying website available at www.cambridge.org/9780521173841 features podcasts, articles and news stories on astrobiology.

Society and Structures R Ragaini 2003-08-12 This proceedings volume contains presentations, group discussions and reports on terrorism-related issues, such as: motivations; tools and countermeasures; worldwide stability; risk analysis.

Contents:Opening Session (A Zichichi)Motivations (A Kamal, D W Hanson, L Alurralde, R Wilson, W Müller-Seedorf, F Mehr, I Karawan, G M Mirdal, A Peyraube, J Díez-Nicolás, K Talattof & W Fulkerson)Worldwide Stability (T Taylor, J Savy, W E Kastenberg, E S Vergino & M Moodie)Tools and Countermeasures (R A Mason, R G Manley, C R Penn, S Leivesley, A E Smithson & J R Westby)Permament Monitoring Panel Reports (T Taylor)Motivations Working Group Report (A Kamal, M Sánchez-Sorondo & F Waelbroek)Tools and Countermeasures Working Group Report (R A Mason & K K Rebane)Worldwide Stability Working Group Report (T Taylor) Readership: Scientists, academics, psychologists, sociologists, political analysts, historians, government officials. Keywords:Cultural Emergency;Worldwide Stability;Motivations of Terrorism;Tools and Countermeasures Against Terrorism;Risk Analysis and Terrorism

Biology in Context Peter Aubusson 2000 Meets the requirements of the new NSW Biology syllabus for both the Preliminary and HSC courses, and is organised so that students can monitor their progress, test their understanding and revise key concepts and ideas at their own pace.

Lessons on Synthetic Bioarchitectures Eva-Kathrin Ehmoser-Sinner 2018-03-09 This textbook discusses the new relationship between artificial, synthetic material and living matter, and presents defined examples of approaches aiming for the creation of artificial cells. It also offers insights into the world of synthetic biology from its origins to the present day, showing what is currently possible in this discipline. Furthermore, it examines the ethical concerns and potential threats posed by this new field. The textbook is based on a lecture of the same title, held for master's students at the University of Natural Resources and Life Sciences (BOKU), Vienna, and is primarily intended for students of synthetic biology, biotechnology and bioengineering. It is also of interest to research scientists from other disciplines wishing to

learn more about the state of the art of synthetic biology and its future.

Wildlife and Emerging Zoonotic Diseases: The Biology, Circumstances and Consequences of Cross-Species Transmission James E. Childs 2007-07-23 This volume offers an overview of the processes of zoonotic viral emergence, the intricacies of host/virus interactions, and the role of biological transitions and modifying factors. The themes introduced here are amplified and explored in detail by the contributing authors, who explore the mechanisms and unique circumstances by which evolution, biology, history, and current context have contrived to drive the emergence of different zoonotic agents by a series of related events.

Unraveling the Exposome Sonia Dagnino 2018-10-08 This volume presents a comprehensive overview of the science and application of the Exposome through seventeen chapters from leaders in the field. At just over ten years since the term was coined by Christopher Wild in 2005, this is the first, field-defining volume to offer a holistic picture of the important and growing field of Exposomics. The term "Exposome" describes the sum of all exposures (not only chemical) that an individual can receive over a lifetime from both exogenous sources (environmental contaminants, food, lifestyle, drugs, air, etc.) and endogenous sources (metabolism, oxidative stress, lipid peroxidation, chemicals synthesized by the microbiome, etc.). The first section of this book contains chapters that discuss how the Exposome is defined and how the concept fits into the fields of public health and epidemiology. The second section provides an overview of techniques and methods to measure the human Exposome. The third section contains methods and applications for measuring the Exposome through external exposures. Section four provides an overview on statistical and computational techniques-including big data analysis - for characterizing the Exposome. Section five presents a global collection of case studies

Life at the Edge of Sight Scott Chimileski 2017-09-25 This stunning photographic essay opens a new frontier for readers to explore through words and images. Microbial studies have clarified life's origins on Earth, explained the functioning of ecosystems, and improved both crop yields and human health. Scott Chimileski and Roberto Kolter are expert guides to an invisible world waiting in plain sight.

The Search for Life's Origins National Research Council 1990-02-01 The field of planetary biology and chemical evolution draws together experts in astronomy, paleobiology, biochemistry, and space science who work together to understand the evolution of living systems. This field has made exciting discoveries that shed light on how organic compounds came together to form self-replicating molecules--the origin of life. This volume updates that progress and offers recommendations on research programs--including an ambitious effort centered on Mars--to advance the field over the next 10 to 15 years. The book presents a wide range of data and research results on these and other issues: The biogenic elements and their interaction in the interstellar clouds and in solar nebulae. Early planetary environments and the conditions that lead to the origin of life. The evolution of cellular and multicellular life. The search for life outside the solar system. This volume will become required reading for anyone involved in the search for life's beginnings--including exobiologists, geoscientists, planetary scientists, and U.S. space and science policymakers.

Life's Color Code William John Hamilton 1973

Friendship: The Evolution, Biology, and Extraordinary Power of Life's Fundamental Bond Lydia Denworth 2020-01-28 A revelatory investigation of friendship, with profound implications for our understanding of what humans and animals alike need to thrive across a lifetime. The phenomenon of friendship is universal and elemental. Friends, after all, are the family we choose. But what makes these bonds not just pleasant

but essential, and how do they affect our bodies and our minds? In *Friendship*, science journalist Lydia Denworth takes us in search of friendship's biological, psychological, and evolutionary foundations. She finds friendship to be as old as early life on the African savannas—when tribes of people grew large enough for individuals to seek fulfillment of their social needs outside their immediate families. Denworth sees this urge to connect reflected in primates, too, taking us to a monkey sanctuary in Puerto Rico and a baboon colony in Kenya to examine social bonds that offer insight into our own. She meets scientists at the frontiers of brain and genetics research and discovers that friendship is reflected in our brain waves, our genomes, and our cardiovascular and immune systems; its opposite, loneliness, can kill. At long last, social connection is recognized as critical to wellness and longevity. With insight and warmth, Denworth weaves past and present, field biology and neuroscience, to show how our bodies and minds are designed for friendship across life stages, the processes by which healthy social bonds are developed and maintained, and how friendship is changing in the age of social media. Blending compelling science, storytelling, and a grand evolutionary perspective, Denworth delineates the essential role that cooperation and companionship play in creating human (and nonhuman) societies. Friendship illuminates the vital aspects of friendship, both visible and invisible, and offers a refreshingly optimistic vision of human nature. It is a clarion call for putting positive relationships at the center of our lives.

Astronomy and Civilization in the New Enlightenment Anna-Teresa Tymieniecka 2010-11-18 This volume represents the first which interfaces with astronomy as the fulcrum of the sciences. It gives full expression to the human passion for the skies. Advancing human civilization has unfolded and matured this passion into the comprehensive science of astronomy. Advancing science's quest for the first principles of existence meets the ontopoietic generative logos of life, the focal point of the New

Enlightenment. It presents numerous perspectives illustrating how the interplay between human beings and the celestial realm has informed civilizational trends. Scholars and philosophers debate in physics and biology, the findings of which are opening a more inclusive, wider picture of the universe. The different models of the universal order and of life here presented, all aiming at the first principles of existence—accord with the phenomenology/ontopoiesis of life within the logos-prompted primogenital stream of becoming and action, which points to a future of progressing culture.

Redisplaying Museum Collections Hannah Paddon 2016-04-08

This is the first book to examine, in depth, the multi-million pound redisplay and reinterpretation process in British museums in the early twenty-first century. Acknowledging the importance of the Heritage Lottery Fund (HLF) as project catalyst, Hannah Paddon explains and explores the complex process, from the initial stages of project conceptualisation to the final stages of museum re-opening and exhibition evaluation. She also provides an in-depth look, using three case study museums, at the factors which shape each museum redisplay project including topics such as museum architecture, government agendas and the exhibition team. Finally, the book offers discussions and conclusions around pitfalls and successes and thoughts about the future of collection redisplay.

Integrating Evolutionary Biology Into Medical Education

Jay Schulkin 2019-12-12 Clinicians and scientists are increasingly recognising the importance of an evolutionary perspective in studying the aetiology, prevention, and treatment of human disease; the growing prominence of genetics in medicine is further adding to the interest in evolutionary medicine. In spite of this, too few medical students or residents study evolution. This book builds a compelling case for integrating evolutionary biology into undergraduate and postgraduate medical education, as well as its intrinsic value to medicine. Chapter by chapter, the authors

- experts in anthropology, biology, ecology, physiology, public health, and various disciplines of medicine - present the rationale for clinically-relevant evolutionary thinking. They achieve this within the broader context of medicine but through the focused lens of maternal and child health, with an emphasis on female reproduction and the early-life biochemical, immunological, and microbial responses influenced by evolution. The tightly woven and accessible narrative illustrates how a medical education that considers evolved traits can deepen our understanding of the complexities of the human body, variability in health, susceptibility to disease, and ultimately help guide treatment, prevention, and public health policy. However, integrating evolutionary biology into medical education continues to face several roadblocks. The medical curriculum is already replete with complex subjects and a long period of training. The addition of an evolutionary perspective to this curriculum would certainly seem daunting, and many medical educators express concern over potential controversy if evolution is introduced into the curriculum of their schools. Medical education urgently needs strategies and teaching aids to lower the barriers to incorporating evolution into medical training. In summary, this call to arms makes a strong case for incorporating evolutionary thinking early in medical training to help guide the types of critical questions physicians ask, or should be asking. It will be of relevance and use to evolutionary biologists, physicians, medical students, and biomedical research scientists.

Developing Biofuel Bioprocesses Using Systems and Synthetic Biology

Sylvia M. Clay 2012-09-26 Advances in technological and analytical methods have fostered rapid growth of systems biology and synthetic biology. There continues to be rapid changes and discoveries in both fields with a small number of recent peer-reviewed reviews indicating some of the relationships between systems biology and synthetic biology. This proposed SpringerBrief will cover core concepts of systems

biology and synthetic biology and illustrate the implementation of associated research methodologies for an integrated approach to specifically address engineering microorganisms for biofuel production.

Weimar Thought Peter E. Gordon 2013 During its short lifespan, the Weimar Republic (1918-33) witnessed an unprecedented flowering of achievements in many areas, including psychology, political theory, physics, philosophy, literary and cultural criticism, and the arts. Leading intellectuals, scholars, and critics--such as Hannah Arendt, Walter Benjamin, Ernst Bloch, Bertolt Brecht, and Martin Heidegger--emerged during this time to become the foremost thinkers of the twentieth century. Even today, the Weimar era remains a vital resource for new intellectual movements. In this incomparable collection, *Weimar Thought* presents both the specialist and the general reader a comprehensive guide and unified portrait of the most important innovators, themes, and trends of this fascinating period. The book is divided into four thematic sections: law, politics, and society; philosophy, theology, and science; aesthetics, literature, and film; and general cultural and social themes of the Weimar period. The volume brings together established and emerging scholars from a remarkable array of fields, and each individual essay serves as an overview for a particular discipline while offering distinctive critical engagement with relevant problems and debates. Whether used as an introductory companion or advanced scholarly resource, *Weimar Thought* provides insight into the rich developments behind the intellectual foundations of modernity.

The Biology of Computer Life SIMONS 2012-12-06 The doctrine of computer life is not congenial to many people. Often they have not thought in any depth about the idea, and it necessarily disturbs their psychological and intellectual frame of reference: it forces a reappraisal of what it is to be alive, what it is to be human, and whether there are profound, yet un expected,

implications in the development of modern computers. There is abundant evidence to suggest that we are witnessing the emergence of a vast new family of life-forms on earth, organisms that are not based on the familiar metabolic chemistries yet whose manifest 'life credentials' are accumulating year by year. It is a mistake to regard biology as a closed science, with arbitrarily limited categories; and we should agree with Jacob (1974) who observed that 'Contrary to what is imagined, biology is not a unified science'. Biology is essentially concerned with living things, and we should be reluctant to assume that at anyone time our concept and understanding of life are complete and incapable of further refinement. And it seems clear that much of the continuing refinement of biological categories will be stimulated by advances in systems theory, and in particular by those advances that relate to the rapidly expanding world of computing and robotics. We should also remember what Pantin (1968) said in a different context: 'the biological sciences are unrestricted . . . and their investigator must be prepared to follow their problems into any other science whatsoever.'

Geobiology Nora Noffke 2010-06-28 A murmur is heard from the depths of time. Life and Earth are engaged in a dialog that has lasted for four billion years. Sometimes it's a whisper, sometimes a roar. One part sometimes gets the upper hand, dominates the discussion and sets the agenda. But mostly the two have some kind of mutual understanding, and the murmur goes on. Most of us don't listen. Nora does. She listens, and she tries to understand. Nora Noffke has focused her scientific career on the interaction between the living and the non-living. This is no mean task in an academic world where you are usually either this or that, such as either a biologist or a geologist. The amount of stuff you need to grasp is so large that it usually feels better to sit comfortably on one chair, rather than to risk falling between them. Geobiology is not for the faint of heart. Nora's focus is on that all-important biological substance mucus, or EPS (ext-

cellular polymeric substance). EPS is the oil in the machinery, the freeway to travel for many small animals and protists, the coat of armour for others, the mortar in the brick wall for yet others. For microbes such as cyanobacteria it may be the world they built, the world they live, eat, fight, multiply, and die in.

The Evolution of Complex and Higher Organisms ECHO Science Workshops 1985

Biosocial Becomings Tim Ingold 2013-06-13 Going beyond the division of nature and society, this unique book explores human life as a process of biosocial becoming.

Handbook of the Life Course Jeylan T. Mortimer 2007-12-14 This comprehensive handbook provides an overview of key theoretical perspectives, concepts, and methodological approaches that, while applied to diverse phenomena, are united in their general approach to the study of lives across age phases. In surveying the wide terrain of life course studies with dual emphases on theory and empirical research, this important reference work presents probative concepts and methods and identifies promising avenues for future research.

Biology in Context Eileen Kennedy 2002

Biology in Context Eileen Kennedy 2005

Encyclopedia of Astrobiology Muriel Gargaud 2011-05-26

Astrobiology is a remarkably interdisciplinary field. This reference serves as a key to understanding technical terms from the different subfields of astrobiology, including astronomy, biology, chemistry, the geosciences and the space sciences.

Earth System Evolution and Early Life A.T. Brasier 2017-06-09 This volume in memory of Professor Martin Brasier, which has many of his unfinished works, summarizes recent progress in some of the hottest topics in palaeobiology including cellular preservation of early microbial life and early evolution of macroscopic animal life, encompassing the Ediacara biota. The papers focus on how to decipher evidence for early life, which requires exceptional preservation, employment of state-of-the-art

techniques and also an understanding gleaned from Phanerozoic lagerstätte and modern analogues. The papers also apply Martin's MOFAOTYOF principle (my oldest fossils are older than your oldest fossils), requiring an integrated approach to understanding fossils. The adoption of the null-hypothesis that all putative traces of life are abiotic until proven otherwise, and the consideration of putative fossils within their spatial context, characterized the work of Martin Brasier, as is well demonstrated by the papers in this volume.

International Seminar on Nuclear War and Planetary Emergencies, 29th Session Richard C. Ragaini 2003 This

proceedings volume contains presentations, group discussions and reports on terrorism-related issues, such as: motivations; toots and countermeasures; worldwide stability; risk analysis.

Molecular Biology of Fungal Development Heinz D. Osiewacz 2002-05-07 This text gives an overview of the fundamental aspects of molecular fungal development in one comprehensive volume, highlighting different elements in the maturational and reproductive cycles of selected fungal taxa.

The Routledge Companion to Biology in Art and Architecture

Charissa N. Terranova 2016-08-12 The Routledge Companion to Biology in Art and Architecture collects thirty essays from a transdisciplinary array of experts on biology in art and architecture. The book presents a diversity of hybrid art-and-science thinking, revealing how science and culture are interwoven. The book situates bioart and bioarchitecture within an expanded field of biology in art, architecture, and design. It proposes an emergent field of biocreativity and outlines its historical and theoretical foundations from the perspective of artists, architects, designers, scientists, historians, and theoreticians. Includes over 150 black and white images.

Australian Books in Print 1998

Current Themes in Theoretical Biology Thomas A.C. Reydon 2005-02-18 This book originated as a Festschrift to mark the

publication of Volume 50 of the journal 'Acta Biotheoretica' in 2002 and the journal's 70th anniversary in 2005. In it, eleven previously unpublished research papers have been collected that reflect the entire scope of topics on which 'Acta Biotheoretica' publishes. 'Acta Biotheoretica' is a journal on theoretical biology, published by Kluwer Academic Publishers, that has its roots in the Dutch tradition of theoretical biology. From the perspective of this tradition, theoretical biology is understood as encompassing a broad spectrum of disciplines ranging from mathematical biology to philosophy of biology. To reflect the Dutch roots of the journal, all papers have been invited from authors that work in The Netherlands. This book is aimed at an audience of theoretical and mathematical biologists, philosophers of biology and philosophers of science, and biologists in general.

Biodemography James R. Carey 2020-01-07 An authoritative overview of the concepts and applications of biological demography This book provides a comprehensive introduction to biodemography, an exciting interdisciplinary field that unites the natural science of biology with the social science of human demography. Biodemography is an essential resource for demographers, epidemiologists, gerontologists, and health professionals as well as ecologists, population biologists, entomologists, and conservation biologists. This accessible and innovative book is also ideal for the classroom. James Carey and Deborah Roach cover everything from baseline demographic concepts to biodemographic applications, and present models and equations in discrete rather than continuous form to enhance mathematical accessibility. They use a wealth of real-world examples that draw from data sets on both human and nonhuman species and offer an interdisciplinary approach to demography like no other, with topics ranging from kinship theory and family demography to reliability engineering, tort law, and demographic disasters such as the Titanic and the destruction of Napoleon's Grande Armée. Provides the first synthesis of demography and

biology Covers baseline demographic models and concepts such as Lexis diagrams, mortality, fecundity, and population theory Features in-depth discussions of biodemographic applications like harvesting theory and mark-recapture Draws from data sets on species ranging from fruit flies and plants to elephants and humans Uses a uniquely interdisciplinary approach to demography, bringing together a diverse range of concepts, models, and applications Includes informative "biodemographic shorts," appendixes on data visualization and management, and more than 150 illustrations of models and equations

Casualties of Care Miriam I. Ticktin 2011-08-29 This book explores the unintended consequences of compassion in the world of immigration politics. Miriam Ticktin focuses on France and its humanitarian immigration practices to argue that a politics based on care and protection can lead the state to view issues of immigration and asylum through a medical lens. Examining two "regimes of care"—humanitarianism and the movement to stop violence against women—Ticktin asks what it means to permit the sick and sexually violated to cross borders while the impoverished cannot? She demonstrates how in an inhospitable immigration climate, unusual pathologies can become the means to residency papers, making conditions like HIV, cancer, and select experiences of sexual violence into distinct advantages for would-be migrants. Ticktin's analysis also indicts the inequalities forged by global capitalism that drive people to migrate, and the state practices that criminalize the majority of undocumented migrants at the expense of care for the exceptional few.

Low Temperature Biology of Insects David L. Denlinger 2010-01-28 Low temperature is a major environmental constraint impacting the geographic distribution and seasonal activity patterns of insects. Written for academic researchers in environmental physiology and entomology, this book explores the physiological and molecular mechanisms that enable insects to cope with a cold environment and places these findings into an

evolutionary and ecological context. An introductory chapter provides a primer on insect cold tolerance and subsequent chapters in the first section discuss the organismal, cellular and molecular responses that allow insects to survive in the cold despite their, at best, limited ability to regulate their own body temperature. The second section, highlighting the evolutionary and macrophysiological responses to low temperature, is especially relevant for understanding the impact of global climate change on insect systems. A final section translates the knowledge gained from the rest of the book into practical applications including cryopreservation and the augmentation of pest management strategies.

Nanosciences and Nanotechnology Jean-Michel Lourtioz

2015-10-07 This book provides information to the state of art of research in nanotechnology and nano medicine and risks of nano technology. It covers an interdisciplinary and very wide scope of the latest fundamental research status and industrial applications of nano technologies ranging from nano physics, nano chemistry to biotechnology and toxicology. It provides information to last legislation of nano usage and potential social impact too. The book contains also a reference list of major European research centers and associated universities offering licences and master of nano matter. For clarity and attractivity, the book has many illustrations and specific inserts to complete the understanding of the scientific texts.

The Science of Astrobiology Julian Chela-Flores 2011-07-28 Since the publication of *The New Science of Astrobiology* in the year 2001—the first edition of the present book—two significant events have taken place raising the subject from the beginning of the present century to its present maturity. Firstly, in 2001 the Galileo Mission still had two years to complete its task, which turned out to be an outstanding survey of the Jovian system, especially of its intriguing satellite Europa. Secondly, the Cassini Huygens Mission was still on its way to Saturn. Its present

success has surpassed all expectations of ESA and NASA. Astrobiologists still did not know that Titan was the fifth body in the Solar System that possibly contained a water ocean (including the Earth and the three Galilean satellites other than Io). For these reasons the book includes overviews of the evolutionary and molecular biology that are necessary. There is a discussion of other sectors of culture that are the natural frontiers of astrobiology, especially the humanities.

Raman Spectroscopy Applied to Earth Sciences and Cultural Heritage J. Dubessy 2012-11-20 Spectroscopic methods such as Raman are used to investigate the structure and dynamics of matter. They are essential for the study of the different types of mineral or organic materials produced at the Earths surface or interior. As a result of technological improvements in gratings, detectors, filters and personal computers in the last decade, many micro-Raman spectrometers have become plug-and-play instruments, very easy to use and available at a lower cost than the early Raman microprobes. Thus, many laboratories in Earth Sciences and Cultural Heritage are equipped with these new spectrometers. Commercial, portable Raman spectrometers working in the field have also contributed to the spread of Raman spectroscopy. Poor levels of education in terms of Raman spectroscopy in undergraduate courses in Earth Sciences make it difficult for individuals to obtain information of the highest quality relevant to Earth sciences and Cultural Heritage. This volume is, therefore, timely. Four main topics are addressed: Theory; Methodology, including the instrumentation; Experimental aspects; and Application.

Soft Living Architecture Rachel Armstrong 2018-09-06 *Soft Living Architecture* explores the invention of new architectures based on living processes. It crafts a unique intersection between two fast-developing disciplines: biomimicry and biodesign in architecture, and bioinformatics and natural computing in the natural sciences. This is the first book to examine both the theory and methodology

of architecture and design working directly with the natural world. It explores a range of approaches from the use of life-like systems in building design to the employment of actual growing and living cell and tissue cultures as architectural materials - creating architecture that can change, learn and grow with us. The use of 'living architecture' is cutting-edge and speculative, yet it is also inspiring a growing number of designers worldwide to adopt alternative perspectives on sustainability and environmental design. The book examines the ethical and theoretical issues arising alongside case-studies of experimental practice, to explore what we mean by 'natural' in the Anthropocene, and raise deep questions about the nature of design and the design of nature. This provocative and at times controversial book shows why it will become ever more necessary to embrace living processes in architecture if we are to thrive in a sustainable future.

A Reader in Medical Anthropology Byron J. Good 2010-04-05 A Reader in Medical Anthropology: Theoretical Trajectories, Emergent Realities brings together articles from the key theoretical approaches in the field of medical anthropology as well as related science and technology studies. The editors'

comprehensive introductions evaluate the historical lineages of these approaches and their value in addressing critical problems associated with contemporary forms of illness experience and health care. Presents a key selection of both classic and new agenda-setting articles in medical anthropology Provides analytic and historical contextual introductions by leading figures in medical anthropology, medical sociology, and science and technology studies Critically reviews the contribution of medical anthropology to a new global health movement that is reshaping international health agendas

Natural Computing and Beyond Yasuhiro Suzuki 2013-04-01 This book contains the joint proceedings of the Winter School of Hakodate (WSH) 2011 held in Hakodate, Japan, March 15-16, 2011, and the 6th International Workshop on Natural Computing (6th IWNC) held in Tokyo, Japan, March 28-30, 2012, organized by the Special Interest Group of Natural Computing (SIG-NAC), the Japanese Society for Artificial Intelligence (JSAI). This volume compiles refereed contributions to various aspects of natural computing, ranging from computing with slime mold, artificial chemistry, eco-physics, and synthetic biology, to computational aesthetics.