

Fisiologia E Biofisica Delle Cellule

The book covers areas of cellular physiology and metabolism that are of interest to scientists involved in research in diabetes and metabolic diseases. Some chapters of the book are specifically research-oriented, as all the authors are actively practicing either bench or clinical research in the area. Nonetheless, since the work is fully comprehensive of the discipline, it is also suitable for university classes of graduate and undergraduate students. In particular, the book discusses classical aspects of cellular physiology and the metabolism of physical exercise, as well as novel topics like exercise in transplantation and exercise in beta-cell failure, which mark the frontiers of research in sport-related sciences and research. Exercise physiologists, biologists and physicians are the specific professional and academic targets of this work. The team of authors together with the editor are world-renowned experts in the field of physiology and metabolism applied to sport sciences.

Introduction to Biomechatronics is a text reference that provides biomedical engineering students and professionals with the fundamental mechatronic (mechanics, electronics, robotics) engineering knowledge they need to analyze and design devices that improve lives.

Revision of: Principles of human physiology / William J. Germann, Cindy L. Stanfield. 2002.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Celebrated for its atlas-style format, appropriately detailed anatomical illustrations, and exceptionally clear photographs of tissues and cadavers, the Seventh Edition of the award-winning Human Anatomy presents practical applications of anatomy and physiology in a highly visual format. Select Clinical Notes feature dynamic layouts that integrate text with visuals for easy reading. Clinical Cases relate clinical stories that integrate text with patient photos and diagnostic images for applied learning. Time-saving study tools, including end-of-chapter practice and review, help students arrive at a complete understanding of human anatomy. This is the standalone book. If you want the package order: 0321687949 / 9780321687944 Human Anatomy with MasteringA&P™ Package consists of: 0321688155 / 9780321688156 Human 0321724569 / 9780321724564 Martini’s Atlas of the Human Body 0321734890 / 9780321734891 MasteringA&P™ with Pearson eText Student Access Code Card for Human Anatomy 0321754182 / 9780321754189 Practice Anatomy Lab 3. 0321766296 / 9780321766298 Wrap Card for Human Anatomy with MasteringA&P

Molecular and Cellular Biophysics

Introduction to Biomechatronics

Introduction to Modeling Biological Cellular Control Systems

From Theory to Practice

Becker’s World of the Cell

\\1\textformat=02> Fundamentals of Anatomy & Physiology, Fifth Edition" is the core of the Martini.

From quantum theory to statistical mechanics, the methodologies of physics are often used to explain some of life's most complex biological problems. Exploring this challenging yet fascinating area of study, Molecular and Cellular Biophysics covers both molecular and cellular structures as well as the biophysical processes that occur in these structures. Designed for advanced undergraduate and beginning graduate students in biophysics courses, this textbook features a quantitative approach that avoids being too abstract in its presentation. Logically organized from small-scale (molecular) to large-scale (cellular) systems, the text first defines life, discussing the scientific controversies between mechanists and vitalists, the characteristics of living things, and the evolution of life. It then delves into molecular structures, including nucleic acids, DNA, RNA, interatomic interactions, and hydrogen bonds. After looking at these smaller systems, the author probes the larger cellular structures. He examines the cytoplasm, the cytoskeleton, chromosomes, mitochondria, motor proteins, and more. The book concludes with discussions on biophysical processes, including oxidative phosphorylation, diffusion, bioenergetics, conformational transitions in proteins, vesicle transport, subcellular structure formation, and cell division.

In this updated reissue of their classic Homeopathy: A Frontier in Medical Science, Italian physicians Paolo Bellavite and Andrea Signorini thoroughly examine previous and current literature on the science of homeopathy in order to discover answers to the elemental questions about homeopathy. Bellavite and Signorini engage in a fascinating discussion of the biophysics of water, biological effects of electromagnetic fields, chaos theory, and fractals.

Per quale motivo sentiamo quel che sentiamo? In che modo i pensieri influiscono sulla nostra salute fisica? Corpo e mente sono separati oppure funzionano in sintonia? In questo libro rivoluzionario la neuroscenziata Candace Pert fornisce risposte sorprendenti e risolutive a questi interrogativi che tengono impegnati da secoli scienziati e filosofi. Accertando l'esistenza delle basi bio-molecolari delle nostre emozioni e illustrando le sue scoperte in modo chiaro e accessibile, l'autrice ci consente di comprendere noi stessi, le nostre sensazioni e i complessi rapporti tra mente e corpo. «È in atto una rivoluzione che influirà in misura significativa sul modo in cui la comunità medica occidentale concepisce la salute e la malattia. Il contributo di Candace Pert a questa rivoluzione è innegabile, e l'integrità professionale che ha dimostrato nel perseguire la verità scientifica dovunque potesse portarla, a prescindere dal prezzo personale e professionale che ha dovuto pagare per questo, sottolinea il potenziale femminile e intuitivo della scienza intesa nel senso migliore del termine.» Dalla prefazione di Deepak Chopra Candace B. Pert (1946-2013) è stata ricercatrice nel Dipartimento di fisiologia e biofisica della Facoltà di medicina della Georgetown University, a Washington, e con le sue oltre 250 pubblicazioni ha contribuito allo sviluppo degli studi sul rapporto tra mente ed emozioni. www.candacepert.com

Acta Neurologica

Bach Flower Massage

Deciphering the Ends of DNA

Recent Advances in Biophoton Research and Its Applications

Berne & Levy Physiology: First South Asia Edition-E-Book

This book is the bible of bioluminescence and a must-read not only for the students but for those who work in various fields relating to bioluminescence. It summarizes current structural information on all known bioluminescent systems in nature, from well-studied ones to those that have been seldom investigated.This book remains an important source of chemical knowledge on bioluminescence and, since the second edition's publication in 2012, has been revised to include major developments in two systems: earthworm Fridericia and higher fungi whose luciferins have been elucidated and synthesized. These two new luciferins represent an essential addition to seven previously known, with fully rewritten sections covering this new subject matter.

Fisiologia e biofisica delle cellulePrincipi di fisiologia e biofisica della cellulaPlant PhysiologySinauer Associates Incorporated

Le vibrazioni come linguaggio del principio della vita nell'universo. Musica, religione, mitologia, chimica, fisica quantistica: le vibrazioni attraversano la conoscenza umana, per farci capire qual'è il percorso per scoprire la nostra vera essenza, per accrescere la nostra coscienza, per l'evoluzione della nostra anima e per curare il nostro corpo.

This textbook contains the essential knowledge in modeling, simulation, analysis, and applications in dealing with biological cellular control systems. In particular, the book shows how to use the law of mass balance and the law of mass action to derive an enzyme kinetic model - the Michaelis-Menten function or the Hill function, how to use a current-voltage relation, Nernst potential equilibrium equation, and Hodgkin and Huxley's models to model an ionic channel or pump, and how to use the law of mass balance to integrate these enzyme or channel models into a complete feedback control system. The book also illustrates how to use data to estimate parameters in a model, how to use MATLAB to solve a model numerically, how to do computer simulations, and how to provide model predictions. Furthermore, the book demonstrates how to conduct a stability and sensitivity analysis on a model.

An Integrated Approach, Media Update: International Edition

In Praise Of Imperfe

Cell Biology E-Book

The Nutrition Revolution

Principi di fisiologia e biofisica della cellula

Questo diario di un Alchimista è il Cammino, l'atto di dirigersi oltre, di colmare tutti quegli spazi che ci separano dall'indefinito per potersi finalmente protendere verso l'infinito. Esposte in maniera semplice e intuitiva, in queste pagine troverete preziose informazioni, spesso inedite, su quello che è stata e continua ancora ad essere l’antica Scienza dell’Alchimia e della Spagiria: Cabala e Alchimia; Alchimia Indiana; Alchimia Araba; Alchimia Cinese; Alchimia Taoista; Alchimia Mistica; Alchimia Metallurgica; I 4 elementi; I 3 principi: Zolfo,Mercurio, Sale; Microcosmo e Macrocosmo; Incontro con Roger Carò, i Rosacroce e le loro emanazioni; I Templari; Enigmi Templari; Gli Esseni e i Monaci Alchimisti; Alchimia Pratica: la Via del Cinabro; Materiali e metodi; Astrologia e Alchimia; Iatrochimica; Aurum Potabile; La Pietra filosofale; Come ottenere la Pietra Filosofale; I tre principi del regno vegetale; Paracelso; Procedimento pratico in terapia spagirica; Correlazione tra metalli e piante; Tinture spagiriche; Dizionario alchemico.

This book enables readers to see the connections in organic chemistry and understand the logic. Reaction mechanisms are grouped together to reflect logical relationships. Discusses organic chemistry as it is applied to real-world compounds and problems. Electrostatic potential plots are added throughout the text to enhance the recognition and importance of molecular polarity. Presents problems in a new "Looking-Ahead" section at the end of each chapter that show how concepts constantly build upon each other. Converts many of the structural formulas to a line-angle format in order to make structural formulas both easier to recognize and easier to draw.

This volume describes a range of standard and novel methodological approaches used to probe ion channel function across different modalities. Chapters guide readers through methods and protocols from an introduction to the decades old patch clamp method for the ion channel neophyte to more complex, recent protocol advances, such as optogenetics. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, application details for both the expert and non-expert reader, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, Patch Clamp Electrophysiology: Methods and Protocols aims to be a reference guide for current and future ion channel physiologists.

This third edition provides the basics for introductory courses on plant physiology without sacrificing the more challenging material sought by upper division and graduate level students. The text contains many new or revised figures and photographs, all in full colour. A website, referenced throughout the text, includes additional study questions, WebTopics (elaborating on selected topics discussed in the text), WebEssays (discussions of cutting edge research topics, written by those who did the work) and additional suggestions for further reading. Key pedagogical changes to the text result in a shorter book. Advanced material from the second edition has been removed and posted at an affiliated Web site, while many new or revised figures and photographs, study questions and a glossary of key terms have been added. Despite the streamlining of the text, the third edition incorporates all the important developments in plant physiology, especially in cell, molecular and developmental biology.

Molecole di emozioni

Physiology

Plant Physiology

Complexity, Biodynamics, and Nanopharmacology

Bioluminescence:chemicalprinciplesandmethods(3rdedition)

The Fundamental Techniques of Classic Italian Cuisine is a comprehensive guide to traditional Italian cooking. The book teaches the skills necessary to master both the art and the science of classic Italian cuisine, as presented by The International Culinary Center ’s School of Italian Studies. With more than 200 recipes, detailed instructions on the professional techniques required to prepare them, and hundreds of photographs, this one-of-a-kind cookbook will appeal to both home cooks and working chefs. The book begins with “Flavors of Italy,” an overview of the primary ingredients used in Italian cooking. The recipes that compose the core of the book are organized in 20 chapters, from antipasti, stocks, sauces, and soups to pasta, risotto, pizza, fish, meats, vegetables, and a spectacular array of desserts. The final section is an encyclopedic glossary of Italian cooking techniques, each illustrated with precise step-by-step photographs. Praise for The Fundamental Techniques of Classic Italian Cuisine: “Wow. This cookbook. . . . Wow. Let ’s just say if you love pasta above all else and strive for risotto perfection . . . then this is most definitely the cookbook for you!” –TheKitchen.com

Computational methods are rapidly becoming major tools of theoretical, pharmaceutical, materials, and biological chemists. Accordingly, the mathematical models and numerical analysis that underlie these methods have an increasingly important and direct role to play in the progress of many areas of chemistry. This book explores the research interface between computational chemistry and the mathematical sciences. In language that is aimed at non-specialists, it documents some prominent examples of past successful cross-fertilizations between the fields and explores the mathematical research opportunities in a broad cross-section of chemical research frontiers. It also discusses cultural differences between the two fields and makes recommendations for overcoming those differences and generally promoting this interdisciplinary work.

Bach Flower Massage contains all the information you need to begin treating yourself and others with the 38 flower remedies. Includes a list of the indications treated by each essence, illustrations of the flowers themselves, and tips on where to find them in the wild.

Frank Laporte-Adamski, naturopath, osteopath, "Heilpraktiker", and the creator of a nutrition regulation that runs the body better by improving health and fitness, still insists after fifteen years that "we must have a clean digestive tract in order to live longer and be in better shape".For years Laporte-Adamski has promoted the consumption of acidic fruits, vegetable oils, and virgin olive oil from its first cold pressing, recognized today as anti-malady foods. Recent scientific discoveries show that the belly is our second brain: our immune defenses are found therein, and so it is vital not to clog the digestive organs. The foundation of our nutrition, health and longevity is the digestive tract itself, and Frank Laporte-Adamski is here to reveal how it works.The Nutrition Revolution is an important book, the result of many years of practice and hundreds of resolved cases, intended for all those who have their psychological and physical wellbeing at heart and that desire to find an explanation and a concrete solution to many problems such as back pain, headaches, insomnia, fatigue, heavy legs, infections, skin and circulatory problems, and so on.

Organic Chemistry

Mathematical Challenges from Theoretical/Computational Chemistry

La completezza dell'Essere

Human Physiology

A Biological Approach

This test broke ground with its thorough coverage of molecular physiology seamlessly integrated into a traditional homeostasis-based systems approach. This edition introuuces a major reorganisation of the early chapters to provide the best foundation for the course and new art features that streamline review and essential topics so that students can access them more easily on an as-needed basis.

The story of molecular biologist Elizabeth Blackburn and her groundbreaking research on telomeres and what it reveals about the resourceful opportunism that characterizes the best scientific thinking. Molecular biologist Elizabeth Blackburn—one of Time magazine's 100 “Most Influential People in the World” in 2007—made headlines in 2004 when she was dismissed from the President’s Council on Bioethics after objecting to the council’s call for a moratorium on stem cell research and protesting the suppression of relevant scientific evidence in its final report. But it is Blackburn’s groundbreaking work on telomeric DNA, which launched the field of telomere research, that will have the more profound and long-lasting effect on science and society. In this compelling biography, Catherine Brady tells the story of Elizabeth Blackburn's life and work and the emergence of a new field of scientific research on the specialized ends of chromosomes and the enzyme, telomerase, that extends them. In the early stages of telomere research, telomerase, heralded as a potential cure for cancer and diseases related to aging, attracted the voracious interest of biotech companies. The surrounding hype succeeded in confusing the role of telomerase in extending the life of a cell with a mechanism that might extend the lifespan of an entire organism. In Brady’s hands, Blackburn’s story reveals much about the tension between pure and applied science, the politicking that makes research science such a competitive field, and the resourceful opportunism that characterizes the best scientific thinking. Brady describes the science accessibly and compellingly. She explores Blackburn’s struggle to break down barriers in an elite, male-dominated profession, her role as a mentor to other women scientists (many of whom have made their mark in telomere research), and the collaborative nature of scientific work. This book gives us a vivid portrait of an exceptional woman and a new understanding of the combination of curiosity, imaginative speculation, and aesthetic delight that powers scientific discovery.

The gap between psychotherapeutic practice and clinical theory is ever widening. Therapists still don’t know what role interpersonal relations play in the development of the most common psychopathologies. Valeria Ugazio bridges this gap by examining phobias, obsessive-compulsions, eating disorders, and depression in the context of the family, using an intersubjective approach to personality. Her concept of “semantic polarities” gives a groundbreaking perspective to the construction of meaning in the family and other interpersonal contexts. At no point is theory left in the wasteland of abstraction. The concreteness of the many case studies recounted, and examples taken from well-known novels, will allow readers to immediately connect the topics discussed with their own experience.

Berne & Levy Physiology has long been respected for its scientifically rigorous approach - one that leads to an in-depth understanding of the body's dynamic processes. The South Asia Edition by Drs. Bruce M. Koeppeen and Bruce A. Stanton, continues this tradition of excellence. With integrated coverage of biophysics and neurophysiology, key experimental observations and examples, and full-color design and artwork, this mid-size text is "just right" for a strong understanding of this complex field. An organ system-based approach clearly describes all of the mechanisms that control and regulate bodily function. Key experimental observations and examples provide a rich understanding of the body's dynamic processes.

Human Anatomy

Principles and Big Ideas of Science Education

Handbook of Perinatal Clinical Psychology

Fundamentals of Anatomy and Physiology

A masterful introduction to the cell biology that you need to know! This critically acclaimed textbook offers you a modern and unique approach to the study of cell biology. It emphasizes that cellular structure, function, and dysfunction ultimately result from specific macromolecular interactions. You'll progress from an explanation of the "hardware" of molecules and cells to an understanding of how these structures function in the organism in both healthy and diseased states. The exquisite art program helps you to better visualize molecular structures. Covers essential concepts in a more efficient, reader-friendly manner than most other texts on this subject. Makes cell biology easier to understand by demonstrating how cellular structure, function, and dysfunction result from specific macromole-ular interactions. Progresses logically from an explanation of the "hardware" of molecules and cells to an understanding of how these structures function in the organism in both healthy and diseased states. Helps you to visualize molecular structures and functions with over 1500 remarkable full-color illustrations that present physical structures to scale. Explains how molecular and cellular structures evolved in different organisms. Shows how molecular changes lead to the development of diseases through numerous Clinical Examples throughout. Includes STUDENT CONSULT access at no additional charge, enabling you to consult the textbook online, anywhere you go · perform quick searches · add your own notes and bookmarks · follow Integration Links to related bonus content from other STUDENT CONSULT titles—to help you see the connections between diverse disciplines · test your knowledge with multiple-choice review questions · and more! New keystone chapter on the origin and evolution of life on earth probably the best explanation of evolution for cell biologists available! Spectacular new artwork by gifted artist Graham Johnson of the Scripps Research Institute in San Diego. 200 new and 500 revised figures bring his keen insight to Cell Biology illustration and further aid the reader's understanding. New chapters and sections on the most dynamic areas of cell biology - Organelles and membrane traffic by Jennifer Lippincott-Schwartz; RNA processing (including RNAi) by David Tollervey., updates on stem cells and DNA Repair. .More readable than ever. Improved organization and an accessible new design increase the focus on understanding concepts and mechanisms. New guide to figures featuring specific organisms and specialized cells paired with a list of all of the figures showing these organisms. Permits easy review of cellular and molecular mechanisms. New glossary with one-stop definitions of over 1000 of the most important terms in cell biology.

Human Physiology: An Integrated Approach broke ground with its thorough coverage of molecular physiology seamlessly integrated into a traditional homeostasis-based systems approach. The newly revised Sixth Edition introduces a major reorganization of the early chapters to provide the best foundation for the course and new art features that streamline review and essential topics so that students can access them more easily on an as-needed basis. Recognized as an extraordinary educator and active learning enthusiast, Dr. Silverthorn incorporates time-tested classroom techniques throughout the book and presents thorough, up-to-date coverage of new scientific discoveries, biotechnology techniques, and treatments of disorders. Dr. Silverthorn also co-authored the accompanying Student Workbook and Instructor Manual, ensuring that these ancillaries reinforce the pedagogical approach of the book. This package contains: Human Physiology: An Integrated Approach, Sixth Edition

The autobiography of Levi-Montalcini, who won the Nobel Prize for Medicine in 1986. Born in Torino into a middle-class Jewish family, she experienced the rise of fascism and antisemitism in the 1930s-40s (discussed on pp. 73-105). After the promulgation of the racial laws in 1938, it was impossible for her to pursue research at the Neurological Clinic and she continued her work in private. She survived the war hiding in a small town in Italy and later emigrated to the United States.

Cellular Physiology and Metabolism of Physical Exercise

Fundamentals of Human Physiology

Elizabeth Blackburn and the Story of Telomeres

Alchimia & Spagiria

The Fundamental Techniques of Classic Italian Cuisine

NOTE: You are purchasing a standalone product; MasteringBiology does not come packaged with this content. If you would like to purchase both the physical text and MasteringBiology search for ISBN-10:0133945138/ISBN-13: 9780133945133. That package includes ISBN-10: 0133999394/ISBN-13: 9780133999396 and ISBN-10:0134031938/ISBN-13: 9780134031934. MasteringBiology should only be purchased when required by an instructor. -- For courses in cell biology. Widely praised for its strong biochemistry coverage, Becker's World of the Cell, Eighth Edition, provides a clear, up-to-date introduction to cell biology concepts, processes, and applications. Informed by many years of teaching the introductory cell biology course, the authors have added new emphasis on modern genetic/genomic/proteomic approaches to cell biology while using clear language to ensure that students comprehend the material. Becker's World of the Cell provides accessible and authoritative descriptions of all major principles, as well as unique scientific insights into visualization and applications of cell biology. Media icons within the text and figures call attention to an enhanced media selection—350 up-to-date animations, videos, and activities—that helps students visualize concepts. The Becker World of the Cell 8e Technology Update brings the power of MasteringBiology to Cell Biology for the first time. MasteringBiology is an online homework, tutorial and assessment system that delivers self-paced tutorials that provide individualized coaching, focus on your course objectives, and are responsive to each student's progress. The Mastering system helps instructors maximize class time with customizable, easy-to-assign, and automatically graded assessments that motivate students to learn outside of class and arrive prepared for lecture.

The book examines the major issues in perinatal clinical psychology with the presence of theoretical information and operational indications, through a biopsychosocial approach. The multiplicity of scientific information reported makes this book both a comprehensive overview on the major perinatal mental health disorders and illnesses, and a clinical guide. It covers perinatal clinical psychology through a journey of 15 chapters, putting the arguments on a solid theoretical basis and reporting multiple operational indications of great utility for daily clinical practice. It has well documented new evidence bases in the field of clinical psychology that have underpinned the conspicuous current global and national developments in perinatal mental health. As such, it is an excellent resource for researchers, policy makers, and practitioners – in fact, anyone and everyone who wishes to understand and rediscover, in a single opera, the current scientific and application scenario related to psychological health during pregnancy and after childbirth.

Genomes 4 has been completely revised and updated. It is a thoroughly modern textbook about genomes and how they are investigated. As with Genomes 3, techniques come first, then genome anatomies, followed by genome function, and finally genome evolution. The genomes of all types of organism are covered: viruses, bacteria, fungi, plants, and animals including humans and other hominids. Genome sequencing and assembly methods have been thoroughly revised including a survey of four genome projects: human, Neanderthal, giant panda, and barley. Coverage of genome annotation emphasizes genome-wide RNA mapping, with CRISPR-Cas 9 and GWAS methods of determining gene function covered. The knowledge gained from these techniques forms the basis of the three chapters that describe the three main types of genomes: eukaryotic, prokaryotic (including eukaryotic organelles), and viral (including mobile genetic elements). Coverage of genome expression and replication is truly genomic, concentrating on the genome-wide implications of DNA packaging, epigenome modifications, DNA-binding proteins, non-coding RNAs, regulatory genome sequences, and protein-protein interactions. Also included are applications of transcriptome analysis, metabolomics, and systems biology. The final chapter is on genome evolution, focusing on the evolution of the epigenome, using genomics to study human evolution, and using population genomics to advance plant breeding. Established methods of molecular biology are included if they are still relevant today and there is always an explanation as to why the method is still important. Each chapter has a set of short-answer questions, in-depth problems, and annotated further reading. There is also an extensive glossary. Genomes 4 is the ideal text for upper level courses focused on genomes and genomics.

Biophoton emission now belongs to a topical field of modern science: It concerns a weak light emision from biological systems. Such molecular events are clearly compatible with collective phenomena as shown by recent developments in the life sciences such as the chaos theory. This book is concerned with the ?optical window? of biological interactions and in view of their correlations to many biological functions they provide a powerful, non-invasive tool of analysing biological systems. Topics include food science, pollution, efficacy of drugs including the treatment of cancer and immune diseases, and communication phenomena such as consciousness.The collection of articles in this book covers the historical background, the physics of biophoton emission, those biological phenomena which show evidence of a ?holistic? character, and finally discusses applications and biological evolution. This volume serves to bring researchers up-to-date on the subject and draws attention to the many exciting findings that are widely scattered in the scientific literature.

The Emerging Science of Homeopathy

Patch Clamp Electrophysiology

Genomes 4

Principles of Human Physiology

Introduction to Organic Chemistry

Renowned for his student-friendly writing style, John McMurry introduces a new way to teach organic chemistry: ORGANIC CHEMISTRY: A BIOLOGICAL APPROACH. Traditional foundations of organic chemistry are enhanced by a consistent integration of biological examples and discussion of the organic chemistry of biological pathways. This innovative text is coupled with media integration through Organic ChemistryNow and Organic OWL, providing instructors and students the tools they need to succeed.

Purines as transmitter molecules. Electrophysiological studies on purinergic signalling in different cell systems

Semantic Polarities and Psychopathologies in the Family

An Integrated Approach

Permitted and Forbidden Stories

Le vibrazioni - Nella cura del corpo per l'evoluzione dell'anima