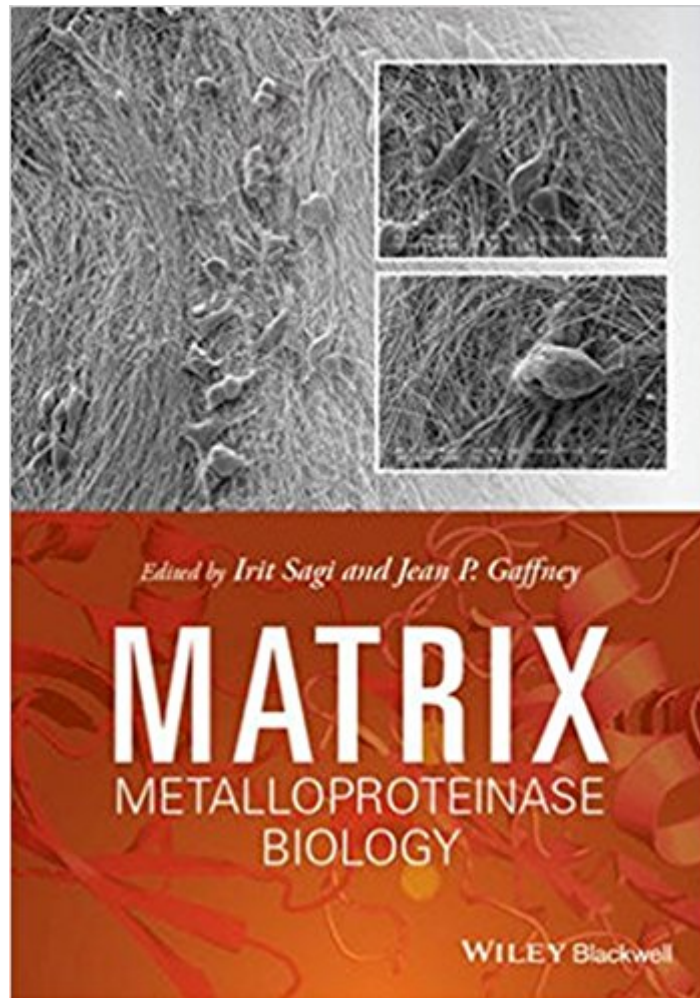




The book was found

Matrix Metalloproteinase Biology



Synopsis

Discussing recent advances in the field of matrix metalloproteinase (MMP) research from a multidisciplinary perspective, *Matrix Metalloproteinase Biology* is a collection of chapters written by leaders in the field of MMPs. The book focuses on the challenges of understanding the mechanisms substrate degradation by MMPs, as well as how these enzymes are able to degrade large, highly ordered substrates such as collagen. All topics addressed are considered in relation to disease progression including roles in cancer metastasis, rheumatoid arthritis and other inflammatory diseases. The text first provides an overview of MMPs, focusing on the history, the development and failures of small molecule inhibitors in clinical trials, and work with TIMPS, the endogenous inhibitors of MMPs. These introductory chapters establish the foundation for later discussion of the recent progress on the design of different types of inhibitors, including novel antibody based therapeutics. The following section emphasizes research using novel methods to further the study of the MMPs. The third and final section focuses on in vivo research, particularly with respect to cancer models, degradation of the extracellular matrix, and MMP involvement in other disease states. Written and edited by leaders in the field, *Matrix Metalloproteinase Biology* addresses the rapidly growth in MMP research, and will be an invaluable resource to advanced students and researchers studying cell and molecular biology.

Book Information

Hardcover: 232 pages

Publisher: Wiley-Blackwell; 1 edition (August 3, 2015)

Language: English

ISBN-10: 1118772326

ISBN-13: 978-1118772324

Product Dimensions: 7.3 x 0.7 x 10.3 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #693,905 in Books (See Top 100 in Books) #184 in Books > Science & Math > Biological Sciences > Biology > Developmental Biology #874 in Books > Engineering & Transportation > Engineering > Bioengineering > Biochemistry #2562 in Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Biology

Customer Reviews

Discussing recent advances in the field of matrix metalloproteinase (MMP) research from a

multidisciplinary perspective, Matrix Metalloproteinase Biology is a collection of chapters written by leaders in the field of MMPs. The book focuses on the challenges of understanding the mechanisms of substrate degradation by MMPs, as well as on how these enzymes are able to degrade large, highly ordered substrates such as collagen. All topics addressed are considered in relation to disease progression including the role of MMPs in cancer metastasis, rheumatoid arthritis, and other inflammatory diseases. The first section provides an overview of MMPs, focusing on the history, the development and failures of small molecule inhibitors in clinical trials, and work with TIMPS, endogenous inhibitors of MMPs. These introductory chapters establish the foundation for later discussion of the recent progress in the design of different types of inhibitors, including novel antibody-based therapeutics. The second section emphasizes on research using novel methods to further the study of the MMPs. The third and final section focuses on in vivo research, particularly with respect to cancer models, degradation of the extracellular matrix, and MMP involvement in other disease states. Written and edited by leaders in the field, Matrix Metalloproteinase Biology addresses the rapid growth in MMP research and will be an invaluable resource to advanced students and researchers studying cell and molecular biology.. Discusses recent advances in the field of matrix metalloproteinase research from a multidisciplinary perspective.Â . Chapters authored by leaders in the field of matrix metalloproteinase research.Â . Covers past research and places emphasis on future directions.Â . Topics considered in relation to disease progression including the role of MMPs in cancer metastasis, rheumatoid arthritis, and other inflammatory diseases. Â

Irit Sagi is Incumbent of the Maurizio Pontecorvo Professorial Chair in the Department of Biological Regulation at the Weizmann Institute of Science, Rehovot, Israel. Jean P. Gaffney completed her postdoctoral work in Dr. Sagiâ™s laboratory at the Weizmann Institute of Science, Rehovot, Israel. She is an Assistant Professor of Chemistry at Baruch College, City University of New York, New York, NY, USA.

[Download to continue reading...](#)

Matrix Metalloproteinase Biology Developmental Biology, Ninth Edition (Developmental Biology Developmental Biology) Young Scientists: Learning Basic Biology (Ages 9 and Up): Biology Books for Kids (Children's Biology Books) Architecture of Human Living Fascia: Cells and Extracellular Matrix as Revealed by Endoscopy (Book & DVD) The Matrix Repatterning Program for Pain Relief: Self-Treatment for Musculoskeletal Pain (New Harbinger Self-Help Workbook) Tango for Teachers: The tango matrix Handbook of Biblical Social Values, Third Edition (Matrix: The Bible in Mediterranean Context) The Digital Matrix: New Rules for Business Transformation Through

Technology Reclaiming The Menstrual Matrix : Evolving Feminine Wisdom A Workbook The Matrix Control System of Philip K. Dick And The Paranormal Synchronicities of Timothy Green Beckley Ceramic Matrix Composites: Fiber Reinforced Ceramics and their Applications Matrix Analysis of Structures Coding the Matrix: Linear Algebra through Applications to Computer Science Divine Architecture and the Starseed Template: Matrix Memory Triggers for Ascension Masters of the Matrix: Becoming the Architect of Your Reality and Activating the Original Human Template Graph Theory and Sparse Matrix Computation (The IMA Volumes in Mathematics and its Applications) The Divine Matrix: Bridging Time, Space, Miracles, and Belief Harmonic Analysis on Symmetric Spaces • Higher Rank Spaces, Positive Definite Matrix Space and Generalizations Schaum's Outline of Matrix Operations (Schaum's Outlines) Coding the Matrix: Linear Algebra through Computer Science Applications

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)