

1. Record Nr.	UNINA9910480991103321
Autore	Tamme Günter
Titolo	Introduction to Étale Cohomology [[electronic resource] /] / by Günter Tamme
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1994
ISBN	3-642-78421-6
Edizione	[1st ed. 1994.]
Descrizione fisica	1 online resource (IX, 186 p.)
Collana	Universitext, , 0172-5939
Disciplina	514/.23
Soggetti	Algebraic geometry Algebraic topology K-theory Number theory Algebraic Geometry Algebraic Topology K-Theory Number Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Translated from German.
Nota di bibliografia	Includes bibliographical references (pages [179]-181) and index.
Nota di contenuto	0. Preliminaries -- §1. Abelian Categories -- §2. Homological Algebra in Abelian Categories -- §3. Inductive Limits -- I. Topologies and Sheaves -- §1. Topologies -- §2. Abelian Presheaves on Topologies -- §3. Abelian, Sheaves on Topologies -- II. Étale Cohomology -- §1. The Étale Site of a Scheme -- §2. The Case $X = \text{spec}(k)$ -- §3. Examples of Étale Sheaves -- §4. The Theories of Artin-Schreier and of Kummer -- §5. Stalks of Étale Sheaves -- §6. Strict Localizations -- §7. The Artin Spectral Sequence -- §8. The Decomposition Theorem. Relative Cohomology -- §9. Torsion Sheaves, Locally Constant Sheaves, Constructible Sheaves -- §10. Étale Cohomology of Curves -- §11. General Theorems in Étale Cohomology Theory.
Sommario/riassunto	Étale Cohomology is one of the most important methods in modern Algebraic Geometry and Number Theory. It has, in the last decades, brought fundamental new insights in arithmetic and algebraic geometric problems with many applications and many important

results. The book gives a short and easy introduction into the world of Abelian Categories, Derived Functors, Grothendieck Topologies, Sheaves, General Étale Cohomology, and Étale Cohomology of Curves.

2. Record Nr.	UNINA9910144562903321
Autore	Minuth W. W (Will W.)
Titolo	Tissue engineering [[electronic resource] ] : essentials for daily laboratory work // W.W. Minuth, R. Strehl, K. Schumacher
Pubbl/distr/stampa	Weinheim ; ; [New York], : Wiley-VCH, c2005
ISBN	1-280-51985-1 9786610519859 3-527-60478-2 3-527-60456-1
Descrizione fisica	1 online resource (328 p.)
Altri autori (Persone)	StrehlR (Raimund) SchumacherK (Karl)
Disciplina	571.538
Soggetti	Tissue engineering Tissue culture Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 303-305) and index.
Nota di contenuto	Tissue Engineering; Preface; Contents; 1 Developmental processes; 2 Cells and Tissue; 2.1 The Cell; 2.1.1 The Cell as a Functional Unit; 2.1.2 Plasma Membrane; 2.1.3 Nucleus; 2.1.4 Mitochondria; 2.1.5 Endoplasmic Reticulum (ER); 2.1.6 Golgi Apparatus; 2.1.7 Endosomes, Lysosomes and Peroxisomes; 2.1.8 Cytoskeleton; 2.1.9 ECM; 2.1.10 Cell Cycle; 2.2 Tissue Types; 2.2.1 Epithelia; 2.2.1.1 Building Plans of Epithelia; 2.2.1.2 Glands; 2.2.1.3 Epithelia in Sensory Perception; 2.2.2 Connective Tissue; 2.2.2.1 Variety; 2.2.2.2 Fat Tissue as Storage; 2.2.2.3 Bone and Cartilage as Support Tissue 2.2.3 Muscle Tissue 2.2.3.1 Cell Movement; 2.2.3.2 Rhythmic Contraction; 2.2.3.3 Unconscious Contraction; 2.2.4 Nervous System Tissue; 2.2.4.1 Information Mediation; 2.2.4.2 Networks and

Connections; 2.3 Relevance of the ECM; 2.3.1 Components of the ECM; 2.3.1.1 Functions of the ECM; 2.3.1.2 Synthesis of the Collagens; 2.3.1.3 Fibronectin; 2.3.1.4 Laminin; 2.3.1.5 Reticular and Elastic Fibers; 2.3.1.6 Collagens of the Basement Membrane; 2.3.1.7 FACIT Collagens; 2.3.1.8 Proteoglycans; 2.3.2 Interactions between the Cell and the ECM; 2.3.2.1 Adhesion and the ECM 2.3.2.2 Proliferation and the ECM 2.3.2.3 Differentiation and the ECM; 2.3.2.4 Apoptosis and the ECM; 2.3.3 Signal Transduction; 2.3.3.1 Modulation of the Cell-Matrix Interaction; 2.3.3.2 The ECM and Cell Binding; 2.3.3.3 Signals to the Inner Cell; 2.3.3.4 The ECM and Long-term Contact; 2.3.4 Matricellular Proteins; 2.3.4.1 Thrombospondin; 2.3.4.2 Tenascin C; 2.3.4.3 Osteopontin; 2.3.4.4 SPARC; 2.4 Emergence of Tissue; 2.4.1 Germ Layers and Ground Tissue; 2.4.1.1 Derivatives of the Ectoderm; 2.4.1.2 Derivatives of the Mesoderm; 2.4.1.3 Derivatives of the Entoderm 2.4.2 Individual Cells, Social Interactions and Functional Tissue Development 2.4.2.1 Differentiation from Individual Cells; 2.4.2.2 Functional Exceptions; 2.4.2.3 Individual Cells and Social Interactions; 2.4.2.4 Formation of tissue; 2.4.2.5 Individual Cell Cycles; 2.4.2.6 Coordinated Growth; 2.4.2.7 Competence; 2.4.2.8 Morphogenic Factors; 2.4.2.9 Apoptosis; 2.4.2.10 Necrosis versus Apoptosis; 2.4.2.11 Terminal Differentiation; 2.4.2.12 Adaptation; 2.4.2.13 Transdifferentiation; 2.4.2.14 Multifactorial Differentiation; 2.5 Regeneration; 2.5.1 Events Immediately after an Injury 2.5.2 Wound Closure 2.5.3 Programmed Cell Death (Apoptosis); 2.5.4 Cooperative Renewal; 3 Classical Culture Methods; 3.1 History; 3.2 First Cultures; 3.2.1 Culture Containers; 3.2.1.1 Individual Culture Containers; 3.2.1.2 Dimensions of the Container; 3.2.1.3 Coating the Culture Dish; 3.2.1.4 Filter Inserts; 3.2.2 Culture Media; 3.2.2.1 Ingredients; 3.2.2.2 Adjustment of Serum Supplements; 3.2.2.3 Serum Collection; 3.2.2.4 Serum-free Culture Media; 3.2.2.5 pH of the Medium; 3.2.2.6 Antibiotics; 3.2.2.7 Other Additives; 3.2.3 Growth Factors; 3.2.3.1 Overview of Different Growth Factors 3.2.3.2 Effect of Growth Factors

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## Sommario/riassunto

Comprehensive in its scope and illustrated in detail, this practical book provides a fundamental insight into the complex world of tissue development and artificial cell culture using tissue engineering. The introductory chapters cover basic cell biology and cellular development as well as cell culture, with a main emphasis on ways of differentiating tissue and the critical evaluation of the properties of maturing tissue constructs. The authors also focus on the use of stem cells from the most varied sources in tissue engineering. The whole is rounded off by an exceptionally wide-rangin

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3. Record Nr.	UNINA9910346753603321
Autore	Brian H. Smith
Titolo	Biogenic Amines and Neuromodulation of Animal Behavior, 2nd Edition
Pubbl/distr/stampa	Frontiers Media SA, 2018
Descrizione fisica	1 online resource (238 p.)
Collana	Frontiers Research Topics
Soggetti	Neurosciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Since Erspamer and Boretti, 1951 first described the biogenic amine octopamine in the octopus salivary gland as a molecule with "adrenaline-like" action, decades of extensive studies demonstrated the important role octopamine and its precursor tyramine play in invertebrate physiology and behavior. This book contains the latest original research papers on tyramine/octopamine and their receptors in different neuronal and non-neuronal circuits of insects.</p> <p>Additionally, this book elucidates in detail the latest research on the function of other biogenic amines and their receptors, such as dopamine and serotonin in insects and mice. The reviews in this book summarize the most recent research on the role of biogenic amines in insect antennae, synaptic development, and behavioral modulation by spontaneous dopamine release in <i>Drosophila</i>. Finally, one perspective paper discusses the evolution of social behavior and biogenic amines.</p> <p>We recommend this book for all scholars interested in the latest advanced research on the role of biogenic amines in animal behavior. ITS dedicates the topic to her teacher, Plotnikova Svetlana Ivanovna (1922-2013).</p>