

1. Record Nr.	UNINA9910746978403321
Autore	Shapiro Leonard
Titolo	Microscopy Techniques for Biomedical Education and Healthcare Practice : Principles in Light, Fluorescence, Super-Resolution and Digital Microscopy, and Medical Imaging / / edited by Leonard Shapiro
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-36850-9
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (235 pages)
Collana	Biomedical Visualization, , 2731-6149 ; ; 2
Disciplina	616.0758
Soggetti	Medicine - Research Biology - Research Medical education Materials - Microscopy Anatomy Cytology Education - Data processing Biomedical Research Medical Education Microscopy Cell Biology Computers and Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Advances in Microscopy for Visualization, Education and Healthcare Practice -- Chapter 1. Visualizing the Invisible: Microscopy and How It Affects Our Understanding of Cells and Tissues -- Chapter 2. Morphometric Image Analysis and Its Applications in Biomedicine Using Different Microscopy Modes -- Chapter 3. The Shift in Power from Conventional to Digital and Virtual Microscopy -- Chapter 4. How Visualizations Have Revolutionized Taxonomy: From Macroscopic, to Microscopic, to Genetic -- Chapter 5. Bright New World: Principles of Fluorescence and Applications in Spectroscopy and Microscopy -- Chapter 6. An Introduction to Particle Tracking Techniques with

Applications in Biomedical Research -- Chapter 7. An Exploration of the Practice of CT Modalities to Evaluate Anterior Cranial Deformities in Craniosynostosis -- Part II. Anatomical and Cell Biology Education -- Chapter 8. The Use of Biomedical Imaging in Visuospatial Teaching of Anatomy -- Chapter 9. Ultrasound Imaging for Musculoskeletal Research -- Chapter 10. Skill Acquisition in Histology Education.

Sommario/riassunto

This edited book has a strong focus on advances in microscopy that straddles research, medical education and clinical practice. These advances include the shift in power from conventional to digital microscopy. The first section of this book covers imaging techniques and morphometric image analysis with its applications in biomedicine using different microscopy modes. Chapters highlight the rich development of fluorescence methods and technologies; particle tracking techniques with applications in biomedical research and nanomedicine; the way in which visualizations have revolutionized taxonomy from gross anatomy to genetics; and the psychology of perception and how it affects our understanding of cells and tissues. The book's first section concludes by exploring the use of CT modalities to evaluate anterior deformities in craniosynostosis. In the second section of the book, chapters on anatomical and cell biology education explore the history of anatomical models and their use in educational settings. This includes examples in 3D printing and functional human anatomical models that can be created using easily available resources and the use of biomedical imaging in visuospatial teaching of anatomy; the novel use of ultrasound in medical education and practice; and skill acquisition in histology education using a flowchart called a 'decision tree'. This book will appeal to histologists, microscopists, cell biologists, clinicians and those involved in anatomical education and biomedical visualization, as well as students in those respective fields.

2. Record Nr.	UNINA9910964704103321
Autore	Schmidtke-Bode Karsten
Titolo	A typology of purpose clauses // Karsten Schmidtke-Bode
Pubbl/distr/stampa	Philadelphia, Pa., : John Benjamins Pub. Company, c2009
ISBN	9786612395437 9781282395435 1282395432 9789027288981 9027288984
Edizione	[1st ed.]
Descrizione fisica	1 online resource (245 p.)
Collana	Typological studies in language, , 0167-7373 ; ; v. 88
Classificazione	ET 700
Disciplina	415
Soggetti	Grammar, Comparative and general - Clauses Grammar, Comparative and general - Subordinate constructions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Acknowledgements -- Abbreviations and notational conventions -- Aims and scope of the book -- Theoretical and methodological foundations -- The grammar of purpose : documentation and explanation -- Purpose clauses in the syntactic and conceptual space of complex sentences -- Conclusion and outlook -- References.
Sommario/riassunto	This book presents the first comprehensive typology of purpose clause constructions in the world's languages. Based on a stratified variety sample of 80 languages, it uncovers the unity and diversity of the morphosyntactic means by which purposive relations are coded, and discusses the status of purpose clauses in the syntactic and conceptual space of complex sentences. Explanations for significantly recurrent coding patterns are couched in a usage-based approach to language structure, which pays due attention to the cognitive and communicative pressures on usage events involving purpose clauses, to frequency distributions of grammatical choices in corpora, and to the ways in which usage preferences conventionalize in pathways of diachronic change. The book integrates diverse previous strands of research on purpose clauses with a thorough empirical analysis in its own right and thus reflects the current state of the art of crosslinguistic research into

this distinctive type of adverbial clause. An appendix to A Typology of Purpose Clauses can be found on the author's website: www.karsten-schmidtke.net/purpose.
