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Buch-Information

Hrsg.: Gruber, Reinhard / Stadlinger, Bernd / Terheyden, Hendrik
Titel: Kommunikation der Zellen: Zellatlas – Visualisierte Biologie in der Oralen Medizin
Reihe: Cell-to-Cell Communication
Kurztext:

The deepest understanding of the cells of the oral system will be found in decoding their communication and seeing how it is regulated. Once we have understood their language, clinicians might be able to talk to cells and control their action.

This book by 47 world-renowned experts – for each chapter at least one clinician and one basic scientist – highlights a reliable and actual state of research regarding this topic that quickly moves forward. Beyond the classic cell types addressed in the first part of the book, organ systems or model systems of cell-to-cell communication of a more generic type are presented in four additional chapters in the second part. A special feature are the colored scanning electron microscopic (SEM) images, created to eloquently illustrate and explain the function of the depicted cell types.

This book – accompanied by an augmented reality (AR) app that allows you to experience the process of bone resorption virtually – should help to open the vision of how we can regenerate tissues and heal diseases by controlling the language of the cells, and shows us the direction in which research and therapy will go in the future.

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Fachgebiet(e): General Dentistry, Human Medicine, Interdisciplinary, Student literature