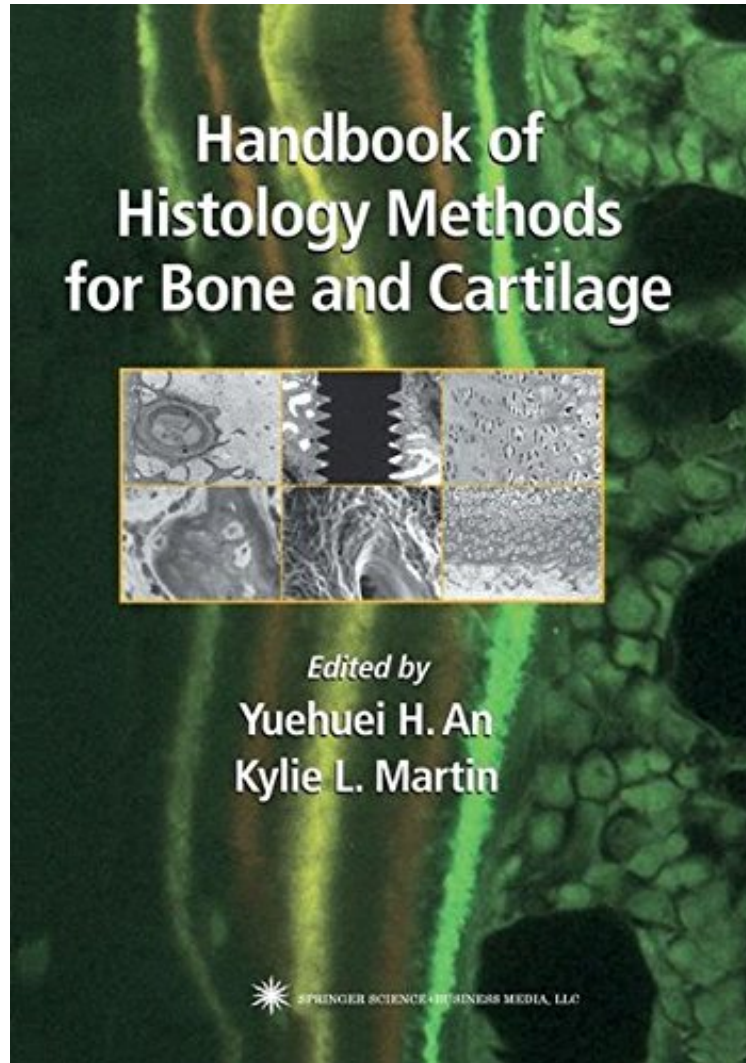


(Free pdf) Handbook of Histology Methods for Bone and Cartilage

Handbook of Histology Methods for Bone and Cartilage

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From Humana Press : Handbook of Histology Methods for Bone and Cartilage before purchasing it in order to gauge whether or not it would be worth my time, and all praised Handbook of Histology Methods for Bone and Cartilage:

Histotechnology and histomorphometry are the major methodologies in bone and cartilage-related research. Handbook of Histology Methods for Bone and Cartilage is an outgrowth of the editors' own quest for information on bone and cartilage histology and histomorphometry. It is designed to be an experimental guide for personnel who work in the

areas of basic and clinical bone and cartilage, orthopedic, or dental research. It is the first inclusive and organized reference book on histological and histomorphometrical techniques on bone and cartilage specimens. The topic has not previously been covered adequately by any existing books in the field. Handbook of Histology Methods for Bone and Cartilage has six major parts and is designed to be concise as well as inclusive, and more practical than theoretical. The text is simple and straightforward. Large numbers of tables, line drawings, and micro- or macro-photographs, are used to help readers better understand the content. Full bibliographies at the end of each chapter guide readers to more detailed information. A book of this length cannot discuss every method for bone and cartilage histology that has been used over the years, but it is hoped that major methods and their applications have been included.

"...can be highly recommended to anatomists and biologists as well as to the orthopedic and traumatological surgeons." -Annals of Anatomy
From the Back Cover
Histologists and histochemists must spend considerable effort today to find the methods essential to perform bone and cartilage-related research. In Handbook of Histology Methods for Bone and Cartilage, Y.H. An and K.L. Martin have assembled an extensive collection of the major methods for studying the histology and histomorphometry of bone and cartilage. Described by well-experienced researchers, physicians, and technicians, the methods include techniques for bone labeling, bone sectioning, histological analysis, histomorphometric analysis, radiological examination, and contact radiography. Among the applications presented are in situ hybridization of bone and cartilage, radiological examination of calcified tissue with emphasis on bone, and dealing with histology artifacts in hard-tissue research. There are also histological techniques for the analysis of bone-implant interfaces, cartilage-defect repair, and the soft-tissue biomaterial interface. More practical than theoretical, the text is simple and straightforward, with many tables, line drawings, and micro- and macro photographs to illustrate the content. Full bibliographies at the end of each chapter guide the reader to additional detailed information. Comprehensive and up-to-date, the Handbook of Histology Methods for Bone and Cartilage offers researchers a practical guide to all the major histological and histomorphometrical methods of bone and cartilage analysis-a gold mine of detailed techniques for the preparation of tissue from collection through fixation, embedding, sectioning, and staining.