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Frontiers between Science and Clinic in Odontology: (Volume 1) Amelogenins: Multifaceted Proteins for Dental and Bone Formation and Repair

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About the eBook

This volume is the 1st in a series of eBooks that bridges the gap between advances in science and clinical practice in odontology. This eBook examines the multifunctional nature of amelogenins - proteins implicated in regulating the initiation and growth of hydroxyapatite crystals during the mineralization of enamel.

Contents

- ▶ Origin and Relationships of Amelogenin, and the Evolutionary Analysis of its Conserved and Variable Regions in Tetrapods
- ▶ Amelogenin Gene Regulation
- ▶ Lessons from the Amelogenin Knockout Mice
- ▶ Amelogenins: A Review of Formative and Degradative Aspects, and Transgene Expression in Bone Cells
- ▶ The Non-Amelogenins: Ameloblastin and Enamelin
- ▶ Potential Role of Adaptor Protein Complex-3 (Ap-3) In Amelogenesis
- ▶ Amelogenin: Possible Roles in Regeneration of Tooth Supporting Tissues, in Long Bone and During Embryonic Craniofacial Complex Development

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