Nakano Laboratory

Intelligent Materials Processing Area, Biomaterials and Structural Materials Design Sub-Area, Division of Materials and Manufacturing Science

Research subjects

Our investigations include the evaluation of biological tissues, the formation mechanisms of tissues both in vivo and in vitro, and the development of novel biomaterials which can function as or better than the original biological tissues, based on a materials science point of view. We focus on the anisotropy that appears in microstructure, cell migration, crystal growth, etc., in an attempt to control these effects by means of metal-based biomaterials or external fields. More generally and in the long term, we aim to establish "Anisotropy in Materials", a new research horizon in Materials Science.

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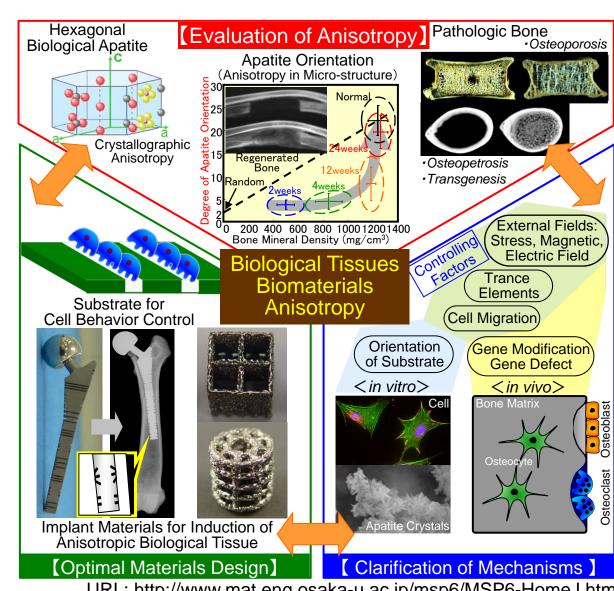
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