

Pillar 2

Session 2.2. Medical technologies

Oskar Hoffmann

University of Vienna



Oskar Hoffmann is a Pharmacist/Pharmacologist graduated from the University of Vienna, specializing in bone biology. His post graduate work in bone biology with an emphasis on osteoporosis was at Yale University with Dr. Roland Baron, and at the National Institutes of Health with Dr. Harald Varmus. His laboratory has experience with organ cultures of bone and bone cells to study local factors and systems effects on bone; Functional evaluation (bone allograft quality, OC resorption assays: actin ring formation, TRAP- staining, pit assay, cytokine production, tissue culture of bone explants); Signal transduction; Confocal laser scanning microscopy; study on the selectivity of bone seeking markers for PET-analysis. His research is aimed at understanding the mechanisms of bone disease from the perspective of a pharmacologist and cell biologist. His group has established several models to study human, mouse and rabbit OC and OB. Moreover, Oskar Hoffmann, as coordinator of the EC-FP7 project InnovaBone, has gathered extensive experience in the combined fields of bone regeneration and biomaterial science.

