

Cartilage Regeneration: the challenges of regenerating a “simple” tissue and the use of biomaterials



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“We aim to understand what limits connective tissue repair and search for methods to improve it. The ultimate goal is to stimulate the body's intrinsic repair capacity or to tissue engineer cartilage or bone outside the body, that can be used for transplantation. We investigate how to control the formation of good quality cartilage and bone (which cells, which stimuli, which biomaterials) and the role of the immune system on tissue repair. Thereby, we focus on cellular processes in cell differentiation (in particular stem cells) and inflammation. Our translational research is performed from a cell biological viewpoint using principles of developmental biology, pathophysiology, and tissue engineering.”

Talk on **18th of October at 4pm** at AVT (NGP² HS-A-005)