



List of publications  
Colour images of CLSM micrographs

### **Publications related to this thesis**

1. Loesberg WA, Walboomers XF, van Loon JJWA, Jansen JA. The effect of combined cyclic mechanical stretching and microgrooved surface topography on the behaviour of fibroblasts. *J Biomed Mater Res A* 75 (3), 723-732, 2005
2. Loesberg WA, Walboomers XF, van Loon JJWA, Jansen JA. The effect of combined hypergravity and microgrooved surface topography on the behaviour of fibroblasts. *Cell Motil Cytoskeleton* 63 (7), 384-394, 2006
3. Loesberg WA, Walboomers XF, Bronkhorst EM, van Loon JJWA, Jansen JA. The effect of combined simulated microgravity and microgrooved surface topography on fibroblasts. *Cell Motil Cytoskeleton* 64 (3), 174-185, 2007
4. Loesberg WA, te Riet J, van Delft FCMJM, Schön P, Figdor CG, Speller S, van Loon JJWA, Walboomers XF, Jansen JA. The threshold at which substrate nanogroove dimensions may influence fibroblast alignment and adhesion. *Biomaterials* 28 (27), 3944-3951, 2007
5. Loesberg WA, Walboomers XF, Bronkhorst EM, van Loon JJWA, Jansen JA. Simulated microgravity activates MAPK pathways in fibroblasts cultured on microgrooved surface topography. *Cell Motil Cytoskeleton*, *in press*, 2008
6. Loesberg WA, Walboomers XF, Jansen JA, van Loon JJWA. Mechanosensitivity of fibroblasts towards inertial shear force and microgrooved surface topography. *Annals of Biomechanical Engineering*, submitted, 2008

### **Other publications**

1. Smeets RL, van de Loo FA, Joosten LA, Arntz OJ, Bennink MB, Loesberg WA, Dmitriev IP, Curiel DT, Martin MU, van den Berg WB. Effectiveness of the soluble form of the interleukin-1 receptor accessory protein as an inhibitor of interleukin-1 collagen-induced arthritis. *Arthritis Rheum* 48 (10), 2949-2958, 2003