

BIOGRAPHICAL SKETCH

NAME		POSITION TITLE	
Martin, Ivan		Research Group Director, University Hospital Basel	
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Genova, Italy	M.S.	1992	Electrical Eng.
University of Genova, Italy	Ph.D.	1997	Biomedical Eng.
University of Basel, Switzerland	Venia Docendi	2004	Biomedical Eng.

Positions and Employment

2007 - present	Associate Professor ("Extraordinarius"), School of Medicine, University of Basel, Switzerland
1999 - present	Research Group Director, University Hospital Basel, Switzerland
1996 - 1999	Visiting Scholar, Harvard-MIT Division of Health Sciences and Technology, Cambridge, MA

Other Experience and Professional Memberships

2010 - present	Journal "Biomaterials", Member of the Editorial Board
2009 - present	Swiss Stem Cell Network, Board member
2008 - present	Journal "Tissue Engineering", Member of the Executive Editorial Board
2007 - present	Journal "European Cells and Materials", Member of the International Editorial Review Board
2006 - present	Journal "Tissue Engineering and Regenerative Medicine" (TERM), Member of the Editorial Board
2005 - present	Faculty of 1000 Medicine, Member of Evaluation Board for "Rheumatology and Clinical Immunology"
2005 - present	International Cartilage Repair Society, Member
2005 - present	Tissue Engineering Regenerative Medicine International Society, Member of the Governing Board
2001 - present	Orthopaedic Research Society, Member
2000 - present	Swiss Surgical Society, Member

Selected peer-reviewed publications (5 out of more than 120)

1. Scotti C, Tonnarelli B, Papadimitropoulos A, Scherberich A, Schaeren S, Schauerte A, Lopez-Rios J, Zeller R, Barbero A, Martin I. Recapitulation of endochondral bone formation using human adult mesenchymal stem cells as a paradigm for developmental engineering. *Proc. Natl Acad Sci USA* (2010)
2. Martin I, Baldomero H, Tyndall A, Niederwieser D, Gratwohl A. A survey on cellular and engineered tissue therapies in Europe in 2008. *Tissue Eng-A* (2010)
3. Scotti C, Wirz D, Wolf F, Schaefer D.J, Bürgin V, Daniels A.U, Valderrabano V, Candrian C, Jakob M, Martin I, Barbero A. Engineering human cell-based, functionally integrated osteochondral grafts by biological bonding of engineered cartilage tissues to bony scaffolds. *Biomaterials* 31:2252-2259 (2010)
4. Martin I, Smith T, Wendt D. A roadmap for the bioreactor-based translation of tissue engineering strategies into clinical products. *Trends Biotech* 27(9): 495-502 (2009)
5. Candrian C, Vonwil D, Barbero A, Bonacina E, Miot S, Farhadi J, Wirz D, Dickinson S, Hollander A, Jakob M, Li Z, Alini M, Heberer M, Martin I. Engineered cartilage generated by nasal chondrocytes is responsive to physical forces resembling joint loading. *Arthritis Rheum* 58:197-208 (2008)
6. Scherberich A, Galli R, Jaquier C, Farhadi J, Martin I. 3D perfusion culture of human adipose tissue-derived endothelial and osteoblastic progenitors generates osteogenic constructs with intrinsic vascularization capacity. *Stem Cells* 25:1823-1829 (2007)

Ongoing public funding

2010 - 2014	Main contractor in a grant by the European Community, within the 7 th Framework program: "Composite phenotypic triggers for bone and cartilage repair" (NMP-2009-2.3-1)
2009 - 2013	Main contractor in a grant by the European Community within the 7 th Framework program: "Training Multidisciplinary scientists for Tissue Engineering and Regenerative Medicine" (238551)
2009 - 2012	Main contractor in a SBF grant (Indo-Swiss joint research program): "Scaffold-based control of chondrocytes phenotype: towards engineering of intervertebral disk tissue"
2008 - 2012	Main contractor in large scale integrating project (17 partners) granted by the European Community, within the 7 th Framework program: "Novel biofunctional highly porous polymer scaffolds and techniques controlling angiogenesis for the regeneration and repair of the degenerated intervertebral disc" (NMP3-LA-2008-213904)
2008 - 2010	Main contractor in a Swiss National Science Foundation grant (Div. 3): "Vascularization of tissue engineered grafts" (No. 310000-120432)