CURRICULUM VITAE

Simone Bersini

Personal Data

Born in Magenta, November, 2, 1986

Living in Magenta (Milano) 20013, Via Miglioli 26

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Driver's License B

Education

2008 – 2010

Master's Degree with honors in Biomedical Engineering - Politecnico di Milano

Graduation Thesis: "Design of a microfluidic system for pharmacological tests"

2005 – 2008

Bachelor's Degree with honors in Biomedical Engineering - Politecnico di Milano

Graduation Thesis: "Quantitative methods for the mitral annulus evaluation by real time three-dimensional echocardiography"

2000 – 2005

High School Leaving Qualifications - Liceo Scientifico Donato Bramante, Magenta

Professional Experiences

Since January, 10, 2011 to date

IRCCS Istituto Ortopedico Galeazzi, Milano

Research Scientist - "Cell and Tissue Engineering Laboratory" and "Laboratory of Biological Structure Mechanics"

Since October, 1, 2011 to date

Politecnico di Milano, Department of Bioengineering

Bioengineering Ph.D. Student

Awards

2011   Gruppo Nazionale di Bioingegneria (GNB) Master Thesis Award

2012   Rocca's Project Doctoral Fellowship Award. This award is meant to recognize and support promising young researchers and to encourage ambitious collaborations between Massachusetts Institute of Technology (MIT) and Politecnico di Milano

Publications and Conference Participations

- Nason F, Morganti E, Collini C, Ress C, Bersini S, Pennati G, Boschetti F, Colombini A, Lombardi G, Banfi G, Lorenzelli L, Dubini G, DESIGN OF MICROFLUIDIC DEVICES FOR DRUG SCREENING ON IN-VITRO CELLS FOR OSTEOPOROSIS THERAPIES. Microelectron. Eng., 2011, 88:1801-1806

- Piraino F, Pierro M, Bersini S, Laganà M, Redaelli A, Rasponi M, Moretti M, CELL MICROMASS GENERATION WITHIN A MICROCHAMBER BY MODULATION OF NON-GEOMETRICAL PARAMETERS. International Conference on Biofabrication (Toyama, Japan, October, 6-8, 2011)

- Bersini S, Sansone V, Anasetti F, Galbusera F, Frigo CA, BIOMECHANICAL ANALYSIS OF THE MUSCULAR AND LIGAMENT BEHAVIOR OF THE KNEE JOINT THROUGH A SUBJECT-SPECIFIC COMPUTATIONAL MODEL. 10th International Symposium on Computer Methods in Biomechanics and Biomedical Engineering (Berlin, Germany, April, 11-14, 2012)

- Piraino F, Bersini S, Pierro M, Laganà M, Redaelli A, Rasponi M, Moretti M, MICROFLUIDIC DEVICE FOR CELL MICROMASS GENERATION: COMPUTATIONAL AND EXPERIMENTAL STUDY. 18th Congress of the European Society of Biomechanics (Lisbon, Portugal, July, 1-4, 2012)

Foreign Languages

English: TOEFL iBT - Score 95/120

Computer Skills

Operating Systems: Windows, Linux

Programming Languages: C

Software: Microsoft Office, Matlab, Ansys Workbench, Ansys Fluent, Ansys Mechanical, Gambit, Comsol Multiphysics, Rhinoceros, Visual Nastran 4D, OpenSim