Short CV of **Federica Caselli** (updated June 2019)

POSITION
Assistant Professor of Bioengineering at the University of Rome Tor Vergata (since 2008)

EDUCATION
2013 Doctor of Philosophy (Ph.D.) in Structural Engineering and Geotechnics
2008 Master of Science (M.S.) in Mathematics with laude
2005 Master of Science (M.S.) in Biomedical Engineering with laude
2002 Bachelor degree (B.S.) in Biomedical Engineering with laude

RESEARCH PROJECTS
2015-2019, PI of "MUSIC - Multidimensional single-cell impedance cytometry", SIR Programme, funded by MIUR
2018-2019, PI of "SPY – Zero hunger with Superior Pollen and Yeast", Mission Sustainability Programme, funded by the University of Rome Tor Vergata
2011-2013, R&D for "DIMID - Development of an Innovative Microfluidic Impedance-based Device for multi-parametric cell analysis", funded by EU Seventh Framework Programme (FP7), Capacities - Research for the benefit of SME's.
2012-2015, R&D for "Advanced mechanical modeling of new materials and technologies for the solution of 2020 European challenges", PRIN Programme, funded by MIUR
2005-2008, Research Assistant for the Project "Multi-Field Physics and Modelling for Human Physio-Pathology", Research Program funded by the University of Rome Tor Vergata

SCIENTIFIC PRODUCTION
31 publications on referred International Journals (1 cover page; 1 article with 152 Scopus citations; 4 articles scored 1 in VQR); >70 Conference contributions; 3 book chapters
H-Index: 12 according to Scopus; 14 according to Google Scholar
Citations: 457 according to Scopus; 651 according to Google Scholar

RESEARCH INTERESTS
Design, Optimization and Testing of Biomedical Microdevices; Computational Mechanics and Biomechanics; Image and Signal Processing.

AWARDS & ACKNOWLEDGMENTES
Nominated in the "Women in microfluidics and bioMEMS" list
MicroTAS travel grant 2018 (with R. Reale)
Invited lecturer at: Sino-Italian Workshop on Biomechanics 2019, Dielectrophoresis 2018, Nanoinnovation 2017, Colloquium Lagrangianum 2016, Multi-Physics Modeling of Solids 2014.

TEACHING ACTIVITY & SUPERVISION
Appointed lecturer or assistant lecturer for B.S and M.S. Programs in Engineering or Medical area (16 cfu per year):
Modeling and Simulation of Physiological Systems (6 cfu)
Biomedical Instrumentation (4 cfu)
Mechanics of Biological Systems (3 cfu)
Bioengineering (2 cfu)
Electronic Bioengineering and Bioinformatics (1 cfu)

OTHER ACTIVITIES (selected):
Research programmes/scientific journals referee; scientific meeting organization; membership to the board of the Doctoral Program in Civil Engineering; supervision of 5 PostDocs and 13 M.Sc. students; affiliation to scientific associations; member of academic committees.