Curriculum Vitae	

Personal information	
Surname / First name	**Benedetto Elisa**
Address	18, via Fratelli Calandra, 10123, Torino, Italy
Telephone	3493549479
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Nationality	Italian
Date of birth	15th April 1986

Education and training	
Master's Degree in	Mathematics
Year	July 2010
University of	Torino
Vote	110 cum laude
Thesis in	Probability and statistics
Thesis title	*The First Passage Problem for a Bivariate Diffusion Process: Numerical Solution with an Application to Neuroscience.*
Bachelor's Degree in	Mathematics
Year	July 2008
University of	Torino
Vote	110 cum laude
Thesis in	Probability and statistics
Thesis title	*The mathematics behind the pagerank citation ranking.*

Current position	PhD student at the Department of Mathematics "G.Peano ", University of Torino, supported by a "Lagrange fellowship". Supervisor: Prof. Laura Sacerdote.

Scientific Activities	
Research project	"A copula approach to neural networks modelling"
Participations in conference	"YWIP 2011": First workshop for junior female researchers in Probability, organized in Bonn at the Institute for Applied Mathematics of the Bonn International Graduate School of Mathematics on May 20011. Talk.
	"BIOCOMP2012: Mathematical modelling and computational topics in Mathematics" on June 2012. Poster.

Publications	"Tenth International Neural Coding Workshop", organized by the Department of Computational Neuroscience at the Academy of Sciences of the Czech Republic in Prague, on September 2012. Poster.
	E. Benedetto, L. Sacerdote, C. Zucca, *A first passage problem for a bivariate diffusion process: Numerical solution with an application to neuroscience when the process is Gauss – Markov,* Journal of Computational and Applied Mathematics, Vol. 242, 41 – 52 (2013)
	E. Benedetto, L. Sacerdote, *On dependency properties of the ISIs generated by a two – compartmental neuronal model,* To appear in Biological Cybernetics.
Interests	My Ph. D. thesis project concerns mathematical problems related with models of neuronal activity. I'm working on an interdisciplinary topic but my first interests are probability topics. Furthermore I believe that a strong mathematical background is necessary for any research in applied probability.
Teaching activities	1) Teaching assistant for the course in statistical methods, Degree in Biological Sciences (2011) 2) Teaching assistant for the course in statistical processing of experimental data, Degree in Natural Sciences (2011) 3) Teaching assistant for the course in probability and statistics, Degree in Mathematics (2012)
Technical skills	Matlab, Maple, R (free statistical software), Office, TeX
Language Proficiency	English - Written: Good - Spoken: Good - Read: Good