

Dr. Silvia Montagna

CONTACT INFORMATION	Dipartimento di Scienze Economico-sociali e Matematico-statistiche (ESOMAS) University of Torino C.so Unione Sovietica, 218 bis 10134 Torino Italy <i>E-mail: silvia.montagna@unito.it</i>
APPOINTMENTS	Assistant Professor Dipartimento di Scienze Economico-sociali e Matematico-statistiche University of Torino (Italy), January 2018 – present Lecturer School of Mathematics, Statistics & Actuarial Science University of Kent (UK), January 2017 – December 2017 Post-doctoral Research Fellow Department of Statistics, University of Warwick (UK), January 2014 – December 2016
EDUCATION	Duke University , Durham, North Carolina USA (August 2009 - December 2013) Ph.D. in Statistical Science, <i>Adviser</i> : Prof. Surya T. Tokdar Università degli Studi di Torino , Torino, Italy (September 2007 - July 2009) Master of Arts (Laurea Magistrale <i>summa cum Laude</i>) in Economics Università degli Studi di Pavia , Pavia, Italy (September 2004 - July 2007) Bachelor of Arts in Economics
RESEARCH PAPERS	Samartsidis, P., Montagna, S. , Laird, A. R., Fox, P. T., Johnson, T. D., and Nichols, T. E. (2018). Estimating the Number of Missing Experiments in a Neuroimaging Meta-analysis. Submitted to <i>NeuroImage</i> . Pre-print DOI: 10.1101/225425. Montagna, S. and Hopker, J. (2018). A Bayesian Approach for the Use of Athlete Performance Data Within Anti-doping. <i>Frontiers in Physiology</i> , DOI: 10.3389/fphys.2018.00884. Montagna, S. , Wager, T., Feldman Barrett, L., Johnson, T. D., and Nichols, T. E. (2018). Spatial Bayesian Latent Factor Regression Modelling of Coordinate-based Meta-analysis Data. <i>Biometrics</i> , Vol. 74 , 342–353. Samartsidis, P., Montagna, S. , Johnson, T. D., and Nichols, T. E. (2017). The Coordinate-based Meta-analysis of Neuroimaging Data. <i>Statistical Science</i> , Vol. 32 , 580–599. Montagna, S. , and Tokdar, S. T. (2016). Computer Emulation with Non-stationary Gaussian Processes. <i>SIAM/ASA Journal on Uncertainty Quantification</i> , Vol. 4 , 26–47. Montagna, S. , Tokdar, S. T., Neelon, B., and Dunson, D. B. (2012). Bayesian Latent Factor Regression for Functional and Longitudinal Data. <i>Biometrics</i> , Vol. 68 , 1064–1073.
WORKING PAPERS	Montagna, S. , Johnson, T. D., and Nichols, T. E. A Bayesian Approach to the Joint Analysis of Multi-type Image-based and Coordinate-based Neuroimaging Meta-analysis Data.
TEACHING EXPERIENCE	University of Torino , Torino, Italy <i>Instructor</i> of Statistical Machine Learning (MSc in Data Science), Spring 2018 University of Kent , Canterbury, Kent UK <i>Instructor</i> of Stochastic Methods for Ecology and Medicine (MSc), Spring 2017 Duke University , Durham, North Carolina USA <i>Instructor</i> of Probability and Statistical Inference (UG), Summer 2013 (Term I) <i>Teaching Assistant</i> , August 2010 - May 2013 Università degli Studi di Pavia , Pavia, Italy <i>Teaching Assistant</i> , April 2006 - July 2007

INVITED/ CONTRIBUTED TALKS	<p><i>11-th International Conference of the ERCIM Working Group on Computational and Methodological Statistics</i>. University of Pisa, Pisa, Italy, December 2018</p> <p><i>Journal Club</i>, The International Biometric Society, Online meeting, June 2018</p> <p><i>Statistics Seminars</i>, The University of Edinburgh, Edinburgh, UK, October 2017</p> <p><i>9-th International Conference of the ERCIM Working Group on Computational and Methodological Statistics</i>. University of Seville, Seville, Spain, December 2016</p> <p><i>Statistics Seminars</i>, Bocconi University, Milan, Italy, April 2016</p> <p><i>Decision Research at Warwick (DR@W) Forum</i>, University of Warwick, Coventry, UK, February 2016</p> <p><i>Spatial Statistics: Emerging Patterns</i>. University of Avignon, Avignon, France, June 2015</p> <p><i>7-th International Conference of the ERCIM Working Group on Computational and Methodological Statistics</i>. University of Pisa, Pisa, Italy, December 2014</p> <p><i>Young Researchers Meeting</i>. University of Warwick, Coventry, UK, December 2014</p> <p><i>High-Dimensional Bayesian Fourier Analysis</i>, Seminar. Nestlé Institute of Health Sciences, Lausanne, Switzerland, January 2014</p> <p><i>Statistics Seminars</i>, Collegio Carlo Alberto, Moncalieri, Italy, December 2012</p>
OTHER PRESENTATIONS	<p><i>International Society for Bayesian Analysis (ISBA) 2018 World Meeting</i>, Edinburgh, UK, June 2018 (poster)</p> <p><i>International Society for Bayesian Analysis (ISBA) 2016 World Meeting</i>, Sardinia, Italy, June 2016 (poster)</p> <p><i>Organisation for Human Brain Mapping 2015 Annual Meeting</i>, Hawaii Convention Center, Honolulu, Hawaii, June 2015 (poster)</p> <p><i>ISBA 2012 World Meeting</i>, Kyoto, Japan, June 2012 (poster)</p> <p><i>Statistical and Applied Mathematical Sciences Institute (SAMSI)</i>, Research Triangle Park, NC USA, April 2012 (poster)</p>
AWARDS AND SCHOLARSHIPS	<p>Early Career Researchers Travel Grant <i>ISBA 2016 World Meeting</i>, Sardinia, Italy, June 2016</p> <p>Early Career Researchers Travel Grant <i>ISBA 2012 World Meeting</i>, Kyoto, Japan, June 2012</p> <p>SAMSI Graduate Student Fellowship <i>SAMSI</i>, Research Triangle Park, NC USA, August 2011 - June 2012</p>
PROFESSIONAL SERVICE	<p>Co-organizer, Invited session on Nonparametric Bayesian analysis of copula models, <i>10-th International Conference of the ERCIM Working Group on Computational and Methodological Statistics</i></p> <p>Co-organizer, Topic-contributed session on Junior Research in Bayesian Modeling for High-dimensional Data, <i>Joint Statistical Meeting 2017</i></p> <p>Co-organizer, <i>j-ISBA</i> Invited session on Bayes: Legacy, <i>ISBA World Meeting 2016</i></p> <p>Secretary of the <i>j-ISBA</i> Section of <i>ISBA</i>, January 2016 - December 2017</p> <p>Program Chair of the <i>j-ISBA</i> Section of <i>ISBA</i>, January 2014 - December 2015</p> <p>Member of International Society for Bayesian Analysis</p>
EDITORIAL ACTIVITY	Reviewed articles for: <i>Bayesian Analysis</i> , <i>Biometrics</i> , <i>Journal of the American Statistical Association (Applications and Case Studies)</i> , <i>NeuroImage</i> , <i>Statistics & Probability Letters</i> , <i>Statistics in Biosciences</i> , <i>Technometrics</i>
COMPUTER SKILLS	Matlab, R, C/C++ (basic knowledge), Bash/Unix Utilites
LANGUAGES	Italian (native), English (fluent), French (basic)