# Saverio Ranciati, Ph.D.

**born in:** 06/06/1988
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**CURRENT POSITION**

- Research fellow (postdoc position) at Dipartimento di Scienze Statistiche, Università di Bologna (Italia), a.a. 2015-2018;

**EDUCATION**

- ◇ *Doctorate:* joint double-degree Ph.D. at Dipartimento di Scienze Statistiche, Università di Bologna (Italia), and J.B. Institute for Mathematics and Computer Science, University of Groningen (The Netherlands); Thesis: *"Statistical modelling of spatio-temporal dependencies in NGS data"*, 2016;
- ◇ *Master's Degree:* Scienze Statistiche, Thesis: *"Latest developments in non-parametric hazard function estimation"*, Dipartimento di Scienze Statistiche, Università di Bologna (Italia), 2012;
- ◇ *Bachelor of Science:* Statistica e Informatica per la Gestione delle Imprese, Thesis: *"Analisi Fattoriale Dinamica sugli ossidi d'azoto in Umbria"*, Università di Perugia (Italia), 2010.

**PUBLISHED & UNDER REVIEW PAPERS**

- Ranciati, S., Viroli, C., Wit, E., (-), "Mixture model with multiple allocations for clustering spatially correlated observations in the analysis of ChIP-Seq data", *Biometrical Journal*, (*DOI:*10.1002/bimj.201600131), to appear.
- Ranciati, S., Viroli, C., Wit, E., (2015), "Spatio-temporal model for multiple ChIP-Seq experiments", *Statistical Applications in Genetics and Molecular Biology*, 14(2), 211-219.

**RESEARCH EXPERIENCE**

*Visiting, Short Term Scientific Mission (STSM)*      February 2017
STSM through COSTNET Action CA15109 at Department of Mathematics, Brunel University London, Uxbridge (U.K.).

*Visiting PhD student*      March-September 2014, March 2015
Research experience abroad at J.B. Institute for Math and Computer Science, University of Groningen, Groningen (The Netherlands);

**CONFERENCES, WORKSHOPS & TALKS**

- ○ "Mixture model under overlapping clusters: an application to network data", (*contributed session*)
  COSTNET17 conference, Palma de Mallorca (Spain), October 2017;
- ○ "Bayesian variable selection in linear regression models with non-normal errors", (*contributed session*)

CLAssification and Data Analysis Group (CLADAG) 2017 conference, University of Milano-Bicocca, Milan (Italy), September 2017;

○ "START Up Research" event, June 2017, Certosa di Pontignano (Siena), http://www.congressi.unisi.it/startupresearch/group-leaders/;

○ "Mixture model with multiple allocations for clustering spatially correlated observations for the analysis of NGS data", (*contributed session*) CMS-ERCIM 2015 conference, University of London, London (UK), December 2015;

○ "Mixture model with multiple allocation for clustering spatially correlated observations in gene expression data", (*invited session*) IFCS2015 conference, University of Bologna, Bologna (Italy), July 2015;

○ "Spatio-temporal model for multiple ChIP-Seq Experiments", (*contributed session*) Statistical Systems Biology SSB 2014 workshop, University of Warwick, Coventry (UK), December 2014;

○ "Modelling multiple ChIP-seq experiments via a markov random field model with spatio-temporal dependencies", (*invited session*) CMS-ERCIM 2014 workshop, University of Pisa, Pisa (Italy), December 2014.

○ "Modelling multiple ChIP-Seq experiments via a Markov Random Field model with spatio-temporal dependencies", (*contributed session*) CIBB 2014 workshop, University of Cambridge, Cambridge (UK), June 2014;

**PEER-REVIEWING ACTIVITY**

○ *Journal of Royal Statistical Society: Series C*, `ISSN`: 1467-9876, (May 2017)

○ *Statistics in Medicine*, `ISSN`: 1973-2201, (October 2016)

○ *BMC Bioinformatics*, `ISSN`: 1471-2105, (September 2016)

○ *Statistica*, `ISSN`: 1973-2201, (August 2016)

**TEACHING ACTIVITY**

○ Adjunct Professor (1/2) in "Experimental Methodology And Data Analysis", a.y.(s) 2017-2018;

○ Adjunct Professor (1/2) in "Elements of Statistics", a.y.(s) 2016-2017;

○ Teaching assistant for "Statistical Inference", a.y.(s) 2014-2018;

○ Teaching assistant for "Applied Statistics", a.y.(s) 2013-2017.

**COMPUTER SKILLS**

*Languages & Software:* R, C/C++, LateX, STATA, SAS, Git, PHP, MySQL, HTML, Microsoft Office Suite, AdobePhotoshop.
*Operating Systems:* OSX, Windows.

**LANGUAGE SKILLS**

*Language (level):* Italian (*primary*), English (*fluent*), Spanish (*midlevel*), French (*basic*).