

Dr. Barban Nicola
CURRICULUM VITAE (*May 2017*)

Contact Information

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Current Position

Since September 2014
Senior Research Fellow
Department of Sociology and Nuffield College
University of Oxford.

Research interests

- Social Demography
- Sociogenomics
- Life course analysis
- Social interactions
- Immigrant assimilation

Education

January 2007-July 2010
PhD in Statistical Sciences. Department of Statistics, University of Padova.

March 2004-October 2006
MSc, Demographic and Social Sciences, University of Padova.

September 2000-March 2004
BA in Statistics and Management, University of Padova.

Previous positions

September 2011 - August 2014
Department of Sociology. University of Groningen.
Postdoctoral researcher

July 2010 - August 2011
Dondena Centre for Research on Social Dynamics. Bocconi University.
Postdoctoral researcher

Visiting positions

February 2011; March 2012; February 2014
Visiting scholar. Umeå University.

August 2011

Visiting scholar. Netherlands Interdisciplinary Demographic Institute (NIDI).

January-July 2009; January-April 2010

Visiting scholar. Population Studies Center, University of Pennsylvania.

September-December 2009; April-July 2010

Visiting scholar. Dondena, Centre for Research on Social Dynamics. Bocconi University.

April-July 2008

Visiting scholar. Population Studies and Training Center. Brown University.

Publications

Melinda M.C. Barban N, F.C. Tropf (2017) “The power of polygenic scores of reproductive behavior and their relationship to other fertility traits.” *Russel Sage Journal of Social Science*, *in press*.

Barban N, et. al. and M.C. Mills (2016) “Genome-wide analysis identifies 12 loci influencing human reproductive behavior” *Nature Genetics*, 48, 1462–1472.

D. Mehta, et. al. (2016) “Evidence for Genetic Overlap Between Schizophrenia and Age at First Birth in Women” *JAMA Psychiatry* 73 (5), 497–505.

M. Sironi, N. Barban, R. Impicciatore (2015) “Parental social class and the transition to adulthood in Italy and the United States” *Advances in Life course research* 26:89–104.

F.C. Tropf, G. Stulp, N. Barban, P. M. Visscher, J. Yangd, H. Snieder, M.C. Mills (2015). “Human Fertility, Molecular Genetics, and Natural Selection in Modern Societies” *PLOS ONE* 10(6): e0126821.

F. C. Tropf, N. Barban, H. Snieder, M.C. Mills, J.J. Mandemakers (2015) “A Behavioural Genetic Study of Age at First Birth of Female UK Twins” *Population Studies* 69(2): 129–145.

N. Balbo and N. Barban, “Does fertility behavior spread among friends” (2014) *American Sociological Review*, 79(3):412–431.

N. Barban, “Family trajectories and health: A life course perspective” (2013) *European Journal of Population*, 29(4):357–385

Minello A. and N. Barban, (2012) “The educational expectations of children of immigrants in Italy” *The Annals of the American Academy of Political and Social Sciences*, 643(1): 78–103.

Barban N. and F.C. Billari, (2012) “Classifying life course trajectories. A comparison between latent class and sequence analysis” *Journal of the Royal Statistical Society Series C (Applied Statistics)*, 61(5):765–784.

Barban N. and M.J. White, (2011) “Immigrants childrens transition to secondary school in Italy” *International Migration Review*, 45(3): 702–726.

Barban N. and G. Dalla Zuanna, (2010) “A portrait of immigrant childrens housing experiences in Italy” *Housing Studies*, 25(4): 559–584.

Manuscripts under review

Balbo N., Barban N. and M.C. Mills, “Cross-Friend Effects on Marriage and Childbearing as Interrelated Family-Formation Processes” *Working Papers WP056*, “Carlo F. Dondena” *Centre for Research on Social Dynamics (DONDENA)*, *Università Commerciale Luigi Bocconi*. *revise-and-resubmit*, *Journal of Marriage and Family*

N. Barban, De Luna X., Svensson I. and Billari, F.C. “Causal effects of the timing of life course events: age at retirement and subsequent health” *Revised-and-resubmitted at* *Sociological Methods and Research*

F.C. Tropf, . . . , Nicola Barban, et. al. “Mega-analysis quantifies hidden heritability for human reproductive behavior and education in seven populations” *Revise-and-resubmit*, *Nature Human Behaviour*

N. Barban, E. De Cao, C. Quintana-Domeneque and S. Oreffice. “Assortative Mating on Education: A Genetic Assessment” *University of Chicago, Center for the Economics of Human Development*. *Working Paper 2016-034*

M. Djundeva, M.C. Mills and N. Barban, “A life course approach to the relationship between health inequalities and marital trajectories” *Under Review*, *Advances in Life Course Research*

Chapters in Books

Barban, N. and D. Linder (2013) “Mathematical Modelling in Life Course Research,” in *Cumulative Life Course Impairment in Dermatological Diseases*, Ed. Kimball, A. , Linder, D. , Germany: Karger.

Dalla Zuanna G. and N. Barban (2008) “Le seconde generazioni in Veneto”, in *Studiare insieme, crescere insieme?* Franco Angeli, Milano.

Dalla Zuanna G. and N. Barban (2007), “Giovani veneti, vecchi e nuovi” in *Immigrazione straniera in Veneto. Dati demografici, dinamiche del lavoro, inserimento sociale. Rapporto 2006*. Franco Angeli, Milano

Barban N. (2006), “La scuola” in *Immigrazione straniera in Veneto. Dati demografici, dinamiche del lavoro, inserimento sociale. Rapporto 2005*. Franco Angeli, Milano.

Scholarships, Grants and Awards

March 2017

Italian National Scientific Qualification for the position of Associate Professor of Demography and Social Statistics (13/D3)

January 2016

Co-applicant, NCRM grant SOCGEN: “Combining Social Science and Molecular Genetic Research to Examine Inequality and the Life Course.” PI Prof. M. Mills

January 2013

Co-applicant, Large Networking Collaborative Project, FP7-SSH-2012 European Research Council (ERC), “FamiliesAndSocieties Changing Families and Sustainable Societies: Policy contexts and diversity over the life course and across generations.” Led by L.Olah University of Stockholm.

Co-applicant (together with Prof. M. Mills) and co-leader of Working Package: The changing role of children and societal implications: Assisted reproduction, late fertility and childlessness. Value of award: €7.5 million, approximately €333,000 was awarded to Sociology at the University of Groningen.

January 2010.

Visiting Doctoral Fellowship. University of Pennsylvania. (\$10,000)

Teaching

University of Oxford

- *NCRM Summer school socio-genetics*. [June 2017]
- *Demography*. BA in Human Sciences. [October 2016–March 2017]
- *Intermediate Quantitative Methods*. MSc Sociology. [January 2016–March 2016]
- Selected lectures. *Life Course Research*. MPhil Sociology. [From 2015]
- Selected lectures. *Introduction to Sociology*. BA in Human Sciences. [From 2015]

University of Groningen

- *Event history and Survival Analysis*. Research Master in Sociology. [2012-2014]
- *Introduction to Research Master*. Research Master in Sociology. [2014]
- Selected lectures. *Applied Statistics* Research Master in Sociology. [2011-2012]

Bocconi University

- Teaching Assistant *Quantitative Methods in Management*. Master of Science Economics and Management in Arts, Culture, Media and Entertainment. [2011]

Invited Lectures

- *May 2015 Short course on Sequence Analysis*. Instituto de Estadística y Cartografía de Andalucía. Seville, Spain.
- *March 2014 Short course on Sequence Analysis*. University Bicocca. Milan, Italy.
- *June 2012 Short course on Sequence Analysis*. Pompeu Fabra University. Barcelona, Spain.
- *September 2012 Event history analysis and introduction to R*. European Consortium for Sociological Research/EqualSoc Summer School 2012. University of Trento, Italy.
- *March 2011 Short course on Sequence Analysis* Spanish National Research Council (CSIC), Madrid, Spain.

Supervision of Phd students

- X. Ding (*expected in 2017*) (DPhil, University of Oxford).
- Dr. N. Balbo (*2012*); Dr. F.C. Tropf (*2016*) (University of Groningen) [co-supervisor].

Selected conferences and invited seminars

April 2017. *Paper and poster presentation*, PAA Annual Meeting, Chicago, USA.
 April 2017 *Invited talk*, University of Trento, Italy.
 March 2017 *Invited talk*, University of Amsterdam, The Netherlands.
 February 2017 *Invited talk*, University of St. Andrews, UK.
 January 2017 *Invited talk*, London School of Economics, UK.
 January 2017 *Invited talk*, London School of Hygiene and Tropical Medicine, UK.
 May 2016 *Invited talk*, Genes and Complex Human Phenotypes, University of Berkeley, USA.
 May 2016 *Paper presentation*, ICWSM-16. Workshop on Social Media and Demographic Research, Cologne, Germany.
 October 2015 *Paper presentation*, Integrating Genetics and Social Sciences Workshop, University of Colorado, Boulder USA.
 September 2015 *Paper presentation*, Statistics and Demography: the Legacy of Corrado Gini, Treviso, Italy.
 June 2015 *The Fragile Families Summer Data Workshop*. New York, USA
 January 2015 *Paper presentation*, Giornate di studio della popolazione 2015, Palermo, Italy.
 November 2014 *Paper presentation*, Social Science Genetic Association Meeting. CHARGE consortium meeting, Washington DC, USA.
 May 2014. *Paper presentation*, PAA Annual Meeting, Boston, USA.
 January 2014 *Paper presentation*, Social Science Genetic Association Meeting, Los Angeles, USA.
 September 2013. *Paper presentation*, Working group meeting. FP7 FamiliesAndSocieties, Padua, Italy.
 August 2013. *Paper presentation*, IUSSP Meeting, Busan, South Korea.
 June 2013. *Paper presentation*, Social Science Genetic Association Meeting, Rotterdam, The Netherlands.
 May 2013. *Invited talk*, University of Cambridge. UK.
 March 2013. *Invited talk*, University of Oxford. UK.
 October 2012. *Invited participation*, Workshop: "Children of immigrants in Europe: new research challenges and empirical findings", University of Padova. Italy.
 September 2012. *Paper presentation*, Fertility over the Life Course conference, University of Bremen. Germany.
 June 2012. *Invited participation*, Lausanne Conference On Sequence Analysis, University of Lausanne, Switzerland.
 April 2012. *Poster presentation*, PAA Annual meeting, San Francisco, USA.
 January 2012. *Paper presentation*, Alpine Population Conference (Alp-Pop), La Thuile, Italy.
 October 2011. *Social Science Genetic Association Meeting*, Los Angeles, USA.
 September 2011. *Invited participation*, Combining biology and social sciences in life course studies. Workshop, University of Helsinki, Finland.

- August 2011. *Invited talk*, NIDI, The Hague, The Netherlands.
- June 2011. *Paper presentation*, INSIDE Conference, Princeton Global Network on Child Migration, Barcelona, Spain.
- March 2011. *Paper presentation*, PAA Annual Meeting, Washington, USA.
- February 2011. *Invited talk*, University of Groningen, The Netherlands.
- February 2011. *Invited talk*, Umeå University, Sweden.
- February 2011. *Paper presentation*, Giornate di studio della popolazione 2011, Ancona, Italy.
- January 2011. *Paper presentation*, Alpine Population Conference (Alp-Pop), La Thuile, Italy.
- November 2010. *Invited talk*, University of Groningen.
- October 2010. *Paper presentation*, IUSSP workshop on transitions to adulthood, Bocconi University, Italy.
- September 2010. *Paper presentation*, European Population Conference, Vienna, Austria.
- July 2010. *Paper presentation*, Statistical challenges in Lifecourse research. Royal Statistical Society, Leeds, UK.
- April 2010. *Paper presentation*, PAA Conference, Dallas, USA.
- November 2010. *Paper presentation*, VID Conference on Education and Demography, Vienna, Austria.
- September 2009. *Poster presentation*, IUSSP Conference, Marrakech, Morocco.
- July 2008. *Poster presentation*, European Population Conference, Barcelona, Spain.
- September 2007. *Paper presentation*, The Family and Residential Choice. University of Amsterdam.

Further education

22-26 September 2014

Design and Analysis of Genetic-Based Association Studies, Wellcome Trust Center, Cambridge.

27-31 August 2012

Genome Wide Association Analysis course. Erasmus summer program 2012. Erasmus Medical School, University of Rotterdam, The Netherlands.

5-9 March 2012

International Workshop on Statistical Genetics and Methodology of Twin and Family Studies
University of Colorado, Boulder, CO.

18-29 August 2009

Joint Summer School of the IUSSP and the Max Planck Institute for Demographic Research (MPIDR)
Summer Course: "Frontiers of Formal Demography", Max Planck Institute, Rostock, Germany.

August 2008

International Max Planck Research School for Demography.
Summer Course: "Immigrant Integration". (IMPRSD 153)

Lund University, Sweden.

March 2008

University of Tor Vergata, Rome, Italy.

“Tobit and selection models”. Professor: Prof. Francis Vella (Georgetown University)

October 2007

University of Florence, Italy. Department of Statistics “G. Parenti”

Course of the Italian Statistics Society (SIS): “Theory and practice of random effects models for multilevel and longitudinal data”. Professors: Prof. Leonardo Grilli and Prof. Carla Rampichini

June 2006

Course of the Italian Statistics Society (SIS): ‘Population and territory’. Geographical information system (GIS); Multilevel Models; Spatial data; Simulation.

Professional Service

Journals refereed:

Demography; Journal of Marriage and Family; International Journal of Public Health; PLOS One; European Journal of Population; Demographic Research; International Migration Review; Population Space and Place; European Sociological Review; Population Research and Policy Review; Biodemography and Social Biology; Advances in Life Course Research; Housing Studies; Genus.

Advisory Board:

Member of the ALSPAC Law and Ethics Committee, University of Bristol

Member of the advisory board of the the University of Oxford Advanced Research Computing facility

Scientific organisations:

Referee for Hungarian Scientific Research Fund (OTKA)

Session chair:

European Population Conference 2012.