

Dr. Barban Nicola

CURRICULUM VITAE (*August 2018*)

Contact Information

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Current Position

Since November 2017

Reader (Associate Professor), Institute for Social and Economic Research. University of Essex.

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

F.C. Tropf, . . . , Nicola Barban, et. al. (2018) “Hidden heritability due to heterogeneity across seven populations” **Nature Human Behaviour** 1(10):757-765.

Melinda M.C. Barban N, F.C. Tropf (2018) “The power of polygenic scores of reproductive behavior and their relationship to other fertility traits.” *Russel Sage Journal of Social Science*, 4(4), pp. 122136

N. Barban, De Luna X., Svensson I. and Billari, F.C. (2017) “Causal effects of the timing of life course events: age at retirement and subsequent health” **Sociological Methods and Research**

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

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*

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*

Chapters in Books

Barban, N. and M. Sironi (2018) “Sequence Analysis as a Tool for Family Demography,” in *Analytical Family Demography, The Springer Series on Demographic Methods and Population Analysis*, Ed. R. Schoen, Germany: Springer.

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

July 2018

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

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. Troup (*2016*) (University of Groningen) [co-supervisor].

Selected conferences and invited seminars

September 2018. *Paper presentation*, Postponement of Parenthood Conference. Villa Vigoni, Italy.

June 2018. *Paper presentation*, EPC Annual Meeting, Bruxelles, Belgium.

April 2018. *Paper and poster presentation*, PAA Annual Meeting, Denver, USA.

November 2017 *Invited talk*, ESRC Centre for Population Change, University of Edinburgh, UK.

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:

Nature Genetics; PNAS; Demography; Journal of Marriage and Family; Social Forces; 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; European Journal Human Genetics; Housing Studies; Genus.

Advisory Board:

Member of the ALSPAC Law and Ethics Committee, University of Bristol (2015-2017)

Member of the advisory board of the the University of Oxford Advanced Research Computing facility (2016-2017)

Scientific organisations:

Referee for Hungarian Scientific Research Fund (OTKA)

Session chair:

European Population Conference 2012.