IGOR PRÜNSTER

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CURRENT ACADEMIC POSITIONS

FEB 2016 – PRESENT	*Professor of Statistics*, Bocconi University, Milano.
FEB 2016 – PRESENT	*Director*, Bocconi Institute for Data Science and Analytics (BIDSA), Bocconi University, Milano.
FEB 2016 – PRESENT	*Fellow,* IGIER Research Center, Bocconi University*,* Milano.
JAN 2010 – PRESENT	*Research Affiliate, Statistics Initiative*, Fondazione "de Castro" and Collegio Carlo Alberto, Torino.

PAST ACADEMIC POSITIONS

OCT 2011 – JAN 2016	*Professor of Statistics*, University of Torino, Torino.
JAN 2010 – SEP 2017	*Scientific Director, Statistics Initiative*, Fondazione "de Castro" and Collegio Carlo Alberto, Torino.
JAN 2010 – SEP 2012	*Deputy Director for Education*, Collegio Carlo Alberto, Moncalieri.
SEP 2007 – JAN 2016	*Coordinator*, Allievi Honors Program, Collegio Carlo Alberto, Torino.
OCT 2007 – SEP 2011	*Associate Professor of Statistics*, University of Torino, Torino.
OCT 2005 – SEP 2007	*Assistant Professor of Statistics*, University of Torino, Torino.
NOV 2001 – SEP 2005	*Assistant Professor of Statistics*, University of Pavia, Pavia.

EDUCATION

1998 – 2003	Ph.D. in *Mathematical Statistics*, Department of Mathematics, University of Pavia. Thesis: *Random probability measures derived from increasing additive processes and their application to Bayesian statistics.* Supervisor: Eugenio Regazzini.
1993 – 1998	Degree in *Economics* with honors (110/110 cum laude*)* from *Bocconi University*, Milano. Thesis: *Bayesian Nonparametric Inference: analysis of prior distributions*. Supervisor: Eugenio Regazzini; Co-supervisor: Donato M. Cifarelli.

HONORS AND AWARDS

- *President* of the International Society for Bayesian Analysis (ISBA) (2021).
- *Fellow* of the American Statistical Association (ASA) (2019).
- *Fellow* of the International Society of Bayesian Analysis (ISBA) (2018).
- *Fellow* of the Institute of Mathematical Statistics (IMS) (2015).
- *Certificate of Appreciation* by International Society for Bayesian Analysis (ISBA) (2013).
- *European Research Council (ERC) Grant* (2012–2018).
- *Sheldon Ekland-Olson Visiting Research Fellow*, University of Texas at Austin, USA (A.Y. 2014/15)
- *Award for best Ph.D. thesis in Statistics*, Italian Statistical Society (2004).
- Finalist of the *L.J. Savage Award* for outstanding doctoral dissertations in Bayesian Econometrics and Statistics sponsored by ASA, ISBA and NBER-NSF (2004).
- *Laha Award*, Institute of Mathematical Statistics (2004).
- *Prize for Best Graduates 1998*, Bocconi University (1998).

- Co-Editor: *Bayesian Analysis* (2014 – present).

- Associate Editor:
  - Current:
    Annals of Statistics (2017 – present);
    Econometrics and Statistics (2015 – present);
    Operations Research – Machine Learning and Data Science Area (2018 – present).
  - Past:
    Bayesian Analysis (2010–2013);
    Computational Statistics & Data Analysis (2013–2018);
    Electronic Journal of Statistics (2008–2012 & 2016 special issue on Bayesian Nonparametrics);
    Sankhyā, The Indian Journal of Statistics (2012–2015),
    Statistical Methods & Applications, Journal of the Italian Statistical Society (2014–2019).

- Reviewer:
  - Peer-reviewed Journals: *Annals of Applied Probability; Annals of Statistics; Annals of the Institute of Statistical Mathematics; Acta Applicanda Mathematicae; Applied Stochastic Models in Business and Industry; Bayesian Analysis; Bernoulli; Biometrics; Biometrika; BMC Bioinformatics; Computational Statistics & Data Analysis; Communications in Statistics – Theory and Methods & Simulation & Computation; IEEE Access; IEEE Transactions on Information Theory; IEEE Transactions on Pattern Analysis and Machine Intelligence; International Statistical Review; Journal of Business and Economic Statistics; Journal of Classification; Journal of Econometrics; Journal of Multivariate Analysis; Journal of Nonparametric Statistics; Journal of Statistical Planning and Inference; Journal of the American Statistical Association; Journal of the Royal Statistical Society- Series A & B & C; MathSciNet; Philosophical Transactions of the Royal Society A; Physica A; PLoS ONE; Psychometrika; Sankhya; Scandinavian Journal of Statistics; Stat; Statistical Science; Statistics; Statistics & Computing; Statistics & Probability Letters; Statistical Methods & Applications; The American Statistician.*
  - Machine Learning Conferences: *AISTATS; ICML, NeurIPS.*

PROFESSIONAL SERVICE

- International Society for Bayesian Analysis:
  - President, 2021; President-Elect 2020; Past-President 2022.
  - *Nonparametrics Section*: Chair 2019; Chair-Elect 2018, Past-Chair 2020.
  - *Prize Committee*: Member 2014–2016.
  - *Board of Directors*: Member 2012–2014.
  - *Program Council*: Chair 2011; Deputy Chair 2010, Past Chair 2012.
  - *Zellner Medal* Committee Member (2023-24).
  - *Nominating Committee and Finance Committee*: Chair (2022, ex-officio)
- *L.J. Savage Award* Committee Member (2010, 2013, 2014).

- *Blackwell-Rosenbluth* Committee Member (2023).

- Project evaluator:
  European Research Council (ERC), EU*; European Science Foundation (ESF),* EU; *National Science Foundation* (NSF), USA*; Superior Council of the National Fund for Scientific and Technological Development* (Fondecyt), Chile*; Georgia National Science Foundation & Rustaveli Foundation,* Georgia*; Italian Ministry of University and Research* (MIUR), Italy; *Italian National Agency for the Evaluation of Universities and Research Institutes* (ANVUR), Italy; *Netherlands Organization for Scientific Research* (NWO), Netherlands; *Swiss National Science Foundation* (SNSF), Switzerland.

CONFERENCE PRESENTATIONS AND SEMINARS

KEYNOTE TALKS

- *2022 International Indian Statistical Association (IISA) Conference,* Bangalore, India (Dec 2022).
- *Japanese Joint Statistical Meeting*, Tokyo, Japan (Sep 2022)
- *24th International Conference on Computational Statistics* (COMPSTAT 2022), Bologna, Italy (Aug 2022).
- *3rd Italian Meeting on Probability and Mathematical Statistics*, Bologna, Italy (Jun 2022).
- *45th Arkansas Spring Lecture Series in the Mathematical Sciences,* University of Arkansas, USA (Nov 2020); principal speaker, 5 lectures [virtual].
- *XLV Meeting of the Chilean Society of Statistics*, Puerto Varas, Chile (Oct 2019).
- *21st Bernoulli Society European Young Statisticians Meeting (EYSM)*, Belgrade, Serbia (Aug 2019).
- *4th Bayesian Young Statisticians Meeting (BAYSM)*, University of Warwick, UK (Jul 2018).
- *10th Conference on Bayesian Nonparametrics,* Raleigh, USA (Jun 2015).
- *12th World Meeting of the International Society of Bayesian Analysis,* Cancun, Mexico (Jul 2014).
- *42nd Annual Meeting of Dutch Statisticians and Probabilists – Stochastics Meeting Lunteren*, Lunteren, Netherlands (Nov2013); 2 plenary lectures.
- *7th Conference on Statistical Computation and Complex Systems – Sco'11*, Padova (Sep 2011).

INVITED TALKS

- *Bernoulli-IMS 11th World Congress in Probability and Statistics,* Bochum, Germany (August 2024)
- *50 Years of Ferguson's 1973 Dirichlet Process Paper*, Los Angeles, USA (November 2023)
- *6th International Conference on Econometrics and Statistics*, Tokyo, Japan (August 2023).
- *Vietnam Institute for Advanced Study in Mathematics (VIASM) Summer School in Bayesian Statistics and Computation,* Ho Chi Minh City, Vietnam (July 2023).
- *International Symposium on Nonparametric Statistics (ISNPS 2020),* Paphos, Cyprus (Jun 2022).
- *Workshop on Bayesian Nonparametrics*, Pohang, South Korea (May 2022).
- *BIRS-CMO Workshop on Foundations of Objective Bayesian Methodology*, Oaxaca, Mexico (Nov 2021).
- *15th World Meeting of the International Society of Bayesian Analysis,* virtual (Jun 2021); invited discussant for *de Finetti Lecture* by Jim Berger.
- *2019 International Indian Statistical Association (IISA) Conference,* Mumbai, India (Dec 2019)
- *4th ISBA-East Asia Chapter Conference*, Kobe, Japan (Jul 2019).
- *Statistics Conference in Honor of Aad van der Vaart 60th Birthday*, Leiden, Netherlands (Jun 2019).
- *Bayesian Statistics in the Big Data Era*, Luminy, France (Nov 2018).
- *Joint Statistical Meetings 2018*, Vancouver, Canada (Aug 2018).
- *International Conference on Probability Theory and Mathematical Statistics*, Tbilisi, Georgia (Jul 2018).
- *BNPSI 2018: Workshop on Bayesian Nonparametrics for Signal and Image Processing*, Bordeaux, France (Jul 2018).
- *4th International Society for Non-Parametric Statistics (ISNPS) Conference*, Salerno, Italy (Jun 2018).
- *EBEB XIV,* Institute of Pure and Applied Mathematics (IMPA), Rio de Janeiro, Brazil (Mar 2018).
- *2017 International Indian Statistical Association (IISA) Conference,* Hyderabad, India (Dec 2017).
- *Royal Statistical Society 2017 Annual Conference*, Glasgow, UK (Sep 2017).
- *61st World Congress of the International Statistical Institute*, Marrakech, Morocco (Jul 2017).
- *2nd International ISBA-East Asia Chapter Conference*, Changchung, China (Jul 2017).
- *Building Bridges Workshop*, Oslo, Norway (May 2017).
- *10th International Chinese Statistical Association Conference*, Shanghai, China (Dec 2016).

- *1st Eastern Asia Meeting on Bayesian Statistics*, Shanghai, China (Dec 2016); tutorial.
- *Joint Statistical Meetings 2016*, Chicago, USA (Aug 2016).
- *13th World Meeting of the International Society of Bayesian Analysis,* Pula, Italy (Jun 2016).
- *Advances in Bayesian nonparametric statistics*, Mexico City, Mexico (Nov 2014).
- *Non-parametric Bayesian Statistics Workshop*, Orléans, France (May 2014).
- *Workshop on Bayesian nonparametrics, modeling & computations*, Chamonix, France (Jan 2014).
- *BIRS Workshop on Random Measures and Measure-Valued Processes*, Banff International Research Station, Banff, Canada (Sep 2013).
- *Workshop on Bayesian Nonparametrics, Lorentz Center,* Leiden, Nertherlands (Jun 2013).
- *Fête Parisienne in Computation, Inference and Optimization*, Institut des Hautes Études Scientifiques (IHES), Paris, France (Mar 2013).
- *ISBA Regional Meeting & International Workshop/Conference on Bayesian Theory and Applications* (IWCBTA), Varanasi, India (Jan 2013).
- *Bayesian Nonparametrics Workshop,* Providence, USA (Sep 2012).
- *Joint Statistical Meetings 2012*, San Diego, USA (Aug 2012).
- *4th ERCIM International Conference on Computing & Statistics*, London, UK (Dec 2011).
- *Neural Information Processing (NeurIPS) Workshops,* Granada, Spain (Dec 2011).
- *Computational and Financial Econometrics - CFE'10*, London, UK (Dec 2010).
- *Bayesian Nonparametrics Research Programme*, Veracruz, Mexico (Jul 2011).
- *Joint Statistical Meetings 2010*, Vancouver, Canada (Aug 2010).
- 27th *European Meeting of Statisticians,* Toulouse, France (Jul 2009).
- *Workshop on Economics and Uncertainty,* Trieste, Italy (Oct 2009).
- *Workshop on Random Measures and Bayesian Nonparametrics*, Paris, France (Dec 2008).
- 9th *World Meeting of the International Society of Bayesian Analysis,* Hamilton, Australia (Jul 2008).
- *Workshop on Limit Theorems and Applications*, Paris, France (Jan 2008).
- *12th Alpe Adria YSM*, Piran, Slovenia (Oct 2007).
- *Workshop on Construction and Properties of Bayesian Nonparametric Regression Models*, Isaac Newton Institute, Cambridge, UK (Aug 2007).
- *6th Workshop on Objective Bayesian Methodology*, Rome, Italy (Jun 2007); invited discussant.
- *IX Symposium on Probability and Stochastic Processes*, Guanajato, Mexico (Nov 2006).
- *5th Workshop on Bayesian Nonparametrics*, Jeju, South Korea (Jun 2006).
- *COBAL 2 - Congreso Bayesiano de America Latina*, S. José del Cabo, Mexico (Feb 2005).
- *Joint Statistical Meetings 2004*, Toronto, Canada (Aug 2004).
- *7th World Meeting of the International Society for Bayesian Analysis,* Vina, Chile (May 2004).
- *13th European Young Statisticians Meeting,* Ovronnaz, Switzerland (Sep 2003).
- *3rd Conference on Statistical Computation and Complex Systems – Sco'03,* Treviso, Italy (Sep 2003).
- *3rd Workshop on Bayesian Inference for Stochastic Processes,* La Manga, Spain (May 2003).
- *Bayesian Nonparametrics Summit*, Ann Arbor, USA (Aug 2001).

S<small>EMINARS</small>

Technical University Munich, Germany (Feb 2023); *University of Padova,* Italy (Jun 2018); *Trinity College Dublin,* Ireland (May 2017); *University of Cambridge,* UK (Mar 2017); *University of Bologna,* Italy (Jan 2016); *University of Michigan*, USA (Mar 2015); *Duke University,* USA (Mar 2015); *University of California Santa Cruz,* USA (Mar 2015); *University of Texas at Austin*, USA (Mar 2015); *Rice University,* USA (Oct 2014); *University of Navarra*, Spain (Jan 2010); *Politecnico di Torino*, Italy (Jun 2009); *University of Warwick*, UK (Jan 2009, Apr 2007); *Université Paris VI*, Paris, France (Dec 2007); *University of Oxford*, UK (Apr 2007); *Università di Roma "Tor Vergata"*, Italy (Apr 2006);

UNAM, Mexico City, Mexico (Feb 2005); *University of Lancaster*, Lancaster, UK (Dec 2004); *Università "L. Bocconi"*, Milan, Italy (Mar 2002); *University of Bath*, Bath, UK (Jun 2001).

CONFERENCE ORGANIZATION

SCIENTIFIC COMMITTEE LEADERSHIP

- Scientific Co-Organizer (with M. De Iorio and P. Müller) Institute for Mathematical Sciences-Nation University of Singapore (IMS-NUS) Thematic Program *Interpretable inference via principled BNP approaches in biomedical research and beyond*, Singapore (Jul 2024).
- Scientific Co-Organizer (with M. Catalano, P. Jacob, C. Robert, V. Rockova and D. Spanò) Centre International de Recontres Mathématiques (CIRM) Conference *Approximation Methods in Bayesian Analysis*, Luminy, France (Jun 2023).
- Co-Chair of the Scientific Committee, 2nd *International Conference on Econometrics and Statistics*, Hong Kong, China (Jun 2018).
- Scientific Co-Organizer (with R.H. Mena and P. Müller) BIRS-CMO Workshop *Bayesian Nonparametric Inference: Dependence Structures and their Applications*, Oaxaca, Mexico (Dec 2017).
- IMS Invited Program Co-Chair (with A. Lijoi), 78th *IMS Annual Meeting & Joint Statistical Meetings 2015*, Seattle, USA (Aug 2015).
- Chair of the Program Committee*, 11th World Meeting of the International Society of Bayesian Analysis (ISBA)*, Kyoto, Japan (Jun 2012).
- Chair of the Scientific Committee*, 7th Workshop on Bayesian Nonparametrics & Carlo Alberto Research Programme in Bayesian Nonparametrics*, Collegio Carlo Alberto, Moncalieri (Jun–Jul 2009).

SCIENTIFIC COMMITTEE AND ADVISORY BOARD MEMBERSHIP

- Advisory Board Member, *International Conference on Recent Developments in Bayesian Statistics*, Varanasi, India (January 2025).
- Scientific Committee Member, *2024 International Symposium on Nonparametric Statistics*, Braga, Portugal (June 2024).
- Scientific Committee Member, *Autumn School in Bayesian Statistics*, CIRM Luminy, France (Nov 2023).
- Scientific Committee Member, *Workshop on Statistical Data Science*, Bologna, Italy (Aug 2022).
- Scientific Committee Member, 4th *International Conference on Econometrics and Statistics*, Hong Kong, China (Jun 2021) [virtual].
- Scientific Committee Member, *13th International Conference of the ERCIM WG on Computational & Methodological Statistics (CMStatistics 2020)*, London, UK (Dec 2020).
- Scientific Committee Member, *12th Conference on Bayesian Nonparametrics*, Oxford, UK (Jun 2019).
- Advisory Board Member, *Bayesian Nonparametrics Workshop, 32nd Neural Information Processing and Systems (NeurIPS 2018)*, Montreal, Canada (Dec 2018).
- Scientific Committee Member, *11th International Conference of the ERCIM WG on Computational & Methodological Statistics (CMStatistics 2018),* Pisa, Italy (Dec 2018).
- Scientific Committee Member*, 13th World Meeting of the International Society of Bayesian Analysis (ISBA)*, Edinburgh, UK (Jun 2018).
- Scientific Committee Member, 1st *International Conference on Econometrics and Statistics*, Hong Kong, China (Jun 2017).
- Scientific Committee Member, 22nd *International Conference on Computational Statistics* (COMPSTAT 2016), Oviedo, Spain (Aug 2016).
- Scientific Committee Member, 6th *ERCIM International Conference on Computing & Statistics*, London, UK (Dec 2013).

- Scientific Committee Member, *9th Conference on Bayesian Nonparametrics*, Amsterdam, Netherlands (Jun 2013).
- Scientific Committee Member, *5th ERCIM International Conference on Computing & Statistics*, Oviedo, Spain (Dec 2012).
- Scientific Committee Member, *4th ERCIM International Conference on Computing & Statistics*, London, UK (Dec 2011).
- Scientific Committee Member, *8th Workshop on Bayesian Nonparametrics*, Veracruz, Mexico (Jun 2011).
- Scientific Committee Member, *3rd ERCIM International Conference on Computing & Statistics*, London, UK (Dec 2010).
- Scientific Committee Member, *14th European Young Statisticians Meeting,* Bernoulli Society, Debrecen, Hungary (Aug 2005).

<u>SESSION ORGANIZATION</u>
- Invited Session, *17th World Meeting of the International Society of Bayesian Analysis*; Venice, Italy (Jul 2024).
- Invited Session, *16th World Meeting of the International Society of Bayesian Analysis*; Montreal, Canada (Jun 2022).
- Invited Session, *XV CLAPEM Latin American Congress of Probability and Mathematical Statistics*, Merida, Mexico (Dec 2019).
- Invited Session, *2019 IISA International Conference on Statistics,* Mumbai, India (Dec 2019).
- Invited Session, *62nd World Statistics Congress of the International Statistical Institute*, Kuala Lumpur, Malaysia (Aug 2019).
- Contributed Session, *2nd Italian Meeting on Probability and Mathematical Statistics*, Vietri, Italy (Jun 2019).
- Topic Contributed Session, *Joint Statistical Meetings 2018*, Vancouver, Canada (Aug 2018).
- Invited Session, *2017 IISA International Conference on Statistics,* Hyderabad, India (Dec 2017).
- Invited Session, *1st Italian Meeting on Probability and Mathematical Statistics*, Torino, Italy (Jun 2017).
- Special Topic Session, *13th World Meeting of the International Society of Bayesian Analysis,* Pula, Italy (Jun 2016).
- Invited Session (with T. Broderick), *6th Joint IMS-ISBA Meeting MCMSki V*, Lenzerheide, Switzerland (Jan 2016).
- Special Topic Invited Session, *12th World Meeting of the International Society of Bayesian Analysis (ISBA),* Cancun, Mexico (Jul 2014).
- ISBA Session (with V. Dukic), *36th Conference on Stochastic Processes and their Applications*, Boulder, USA (Aug 2013).
- Invited Session, *29th European Meeting of Statisticians*, Budapest, Hungary (Jul 2013).
- Invited Session, *ISBA Regional Meeting & International Workshop/Conference on Bayesian Theory and Applications* (IWCBTA), Varanasi, India (Jan 2013).
- Special Topic Session, *58th World Statistics Congress of the International Statistical Institute*, Dublin, Ireland (Aug 2011).
- Invited Session (with A. Lijoi), *International Research Conference on Bayesian Learning*, Istanbul, Turkey (Jun 2011).
- Scientific Session, *Euro Science Open Forum 2010*, Torino (Jul 2010).
- *Tutorials' Day* organization (4 plenary lectures), Isaac Newton Institute Workshop *Construction and Properties of Bayesian Nonparametric Regression Models*, Cambridge, UK (Aug 2007).

- *10th Workshop on Bayesian Inference for Stochastic Processes*, Milano, Italy (Jun 2017).
- *13th World Meeting of the International Society of Bayesian Analysis (ISBA),* Pula, Italy (Jun 2016).
- *Advances in Statistics, Probability and Mathematical Physics - a Conference in Honor of Eugenio Regazzini*, Pavia, Italy (Jun 2016).
- *Carlo Alberto Stochastics Workshop Series,* Collegio Carlo Alberto, Moncalieri (3 editions: Jun 2010, Mar 2012, Jan 2014).
- *7th Workshop on Bayesian Nonparametrics*, Collegio Carlo Alberto, Moncalieri (Jun 2009).
- *Carlo Alberto Research Programme in Bayesian Nonparametrics*, Collegio Carlo Alberto, Moncalieri (Jul 2009).
- *Stochastic Methods in Finance Conference,* Torino (Jul 2008).
- *2nd Joint IMS-ISBA Meeting* in Bormio, Italy (Jan 2005).

RESEARCH VISITS

- *Department of Statistics and Data Science*, University of Texas at Austin, USA (Mar 2023; Dec 2021; Feb 2017; Jul 2016; Mar 2016; Dec 2015; Sep 2014 – Aug 2015).
- *Mathematisches Forschungsinstitut Oberwolfach*, Oberwolfach, Germany (May 2021) [virtual].
- *Department of Statistics*, University of California Irvine, USA (Apr 2017).
- *Department of Statistics, University of Michigan,* USA (Apr 2016).
- *Statistical and Applied Mathematical Sciences Institute (SAMSI),* Research Triangle Park, USA (June 2015); *Invited Visiting Fellow.*
- *Department of Mathematics, University of Texas at Austin,* USA (Sep 2013).
- *Department of Statistics, Columbia University,* USA (Sep 2013 & 2012).
- *Lorentz Center,* Leiden University, Netherlands (Jun 2013); *Invited Visiting Fellow*.
- *Institute of Computational and Experimental Research in Mathematics (ICERM)*, Brown University, USA (Sep–Oct 2012); *Invited Visiting Fellow.*
- *Institute of Research in Applied Mathematics and Systems,* UNAM, Mexico (Sep 2010, Nov 2006).
- *Centre for Research in Statistical Methodology, Warwick University*, UK (Jan 2009, Apr 2007).
- *Institute of Mathematics, Statistics and Actuarial Sciences, University of Kent*, UK (Jan 2009, Dec 2004).
- *Centre de Recherche Modal'X, Université Paris Ouest Nanterre,* France (Dec 2008).
- *Laboratoire de Statistique Théorique et Appliquée, Université Paris VI,* France (Dec 2007, Jun 2005).
- *Hong Kong University of Science and Technology*, Hong Kong (Nov 2007).
- *Isaac Newton Institute*, Cambridge, UK (Jul–Aug 2007); *Invited Visiting Fellow.*
- *Department of Statistics*, ITAM, Mexico (Feb 2005).
- *Department of Mathematics and Statistics, University of Lancaster,* UK (Dec 2004).
- *Department of Mathematical Sciences, University of Bath*, UK (Nov 2003 & 2002, May – Aug 2001).

FUNDING

- National coordinator, European Union -Next Generation EU PRIN-PNRR Project 2023-2025: *Measuring Biodiversity via Bayesian Nonparametrics: Estimation, Clustering and Uncertainty Quantification.*
- Member of the Bocconi Unit, Research Project of National Interest (PRIN) 2023-2026: *Discrete random structures for learning and prediction*; National Coordinator: Antonio Lijoi.

- National coordinator, Research Project of National Interest (PRIN) 2017-2020: *Modern Bayesian Nonparametric Methods.*
- Principal Investigator of the *European Research Council (ERC) Starting Grant (Consolidators' Group)* 2012–2017 *New directions in Bayesian Nonparametrics*; team: Pierpaolo De Blasi, Stefano Favaro, Antonio Lijoi, Matteo Ruggiero.
- Principal Investigator Carlo Alberto Research Project 2010–2012 *New approaches to stochastic modeling in Economics via Bayesian Nonparametrics.*
- Principal Investigator of the Research Project 2009–2012 *Stochastic Methods for Policy* funded by the Piedmont Region.
- Coordinator of the Torino Unit, Research Project of National Interest (PRIN) 2009–2011: *Bayesian methods: theoretical developments and novel applications;* National Coordinator: Eugenio Regazzini.
- National coordinator, Research Project of National Interest (PRIN) 2006–2008: *Bayesian nonparametric methods for clustering, survival analysis and predicting the number of species.*
- Member of the Pavia Unit, Research Project of National Interest (PRIN) 2003–2005: *Bayesian networks and causal inference: methodology and applications;* National coordinator: Guido Consonni.
- Member of the Pavia Unit, Research Project of National Interest (PRIN) 2002–2004: *Bayesian nonparametric methods and their applications;* National coordinator: Eugenio Regazzini.
- Principal Investigator, Italian Ministry of University and Research - Young Researchers Project 2002: *Bayesian Nonparametrics: theory and applications.*
- Member of the Pavia Unit, Research Project of National Interest (PRIN) 2000–2002: *Stochastic processes, stochastic calculus and applications;* National coordinator: Maurizio Pratelli.

FUNDING FOR VISITING POSITIONS, POSTDOCS AND PHD SCHOLARSHIPS
- Carlo Alberto Visiting Fellowship for R.H. Mena (UNAM; 2011–2012).
- *ICER Fellowships* for visiting University of Torino: R.H. Mena (UNAM; 2007 & 2009), S.G: Walker (University of Kent, 2006).
- *Lagrange Fellowship* for visiting University of Torino: G. Peccati (University of Paris VI, 2007).
- Piedmont Region "Brain Drain Project", 2 year Post-Doc Grant: P. De Blasi (2008).
- CRT Foundation-Alfieri Project, 1 year Post-Doc Grant: M. Ruggiero (2007).
- CRT Foundation-Alfieri Project, 2 year Post-Doc Grant: P. De Blasi (2006).
- ISI Foundation-Lagrange Project, 3 year Ph.D. scholarship Grant: K.E. Medina (2006).

INDIVIDUAL TRAVEL GRANTS
- *EMS travel grant, 25th European Meeting of Statisticians* (2005).
- *ASA travel grant, Joint Statistical Meetings* (2004).
- *WC2004 grant, 6th World Congress of the Bernoulli Society* (2004).
- *Travel grant, 7th World Meeting of the International Society for Bayesian Analysis* (2004).
- *Travel grant, 7th Valencia International Meeting on Bayesian Statistics* (2002).
- *Short term mobility grant for visiting University of Bath, Italian National Research Council* (2001).

SUPERVISION

POSTDOCTORAL FELLOWS (WITH CURRENT POSITION)
- *Junyi Zhang,* Post-doc, Bocconi University (co-supervisor A. Lijoi); start Jun 2024;
- *Giuseppe Mignemi*, Post-doc, Bocconi University (co-supervisor A. Lijoi); Feb 2024 – present;
- *Maria Fernanda Gil Leyva Villa,* Postdoc, Bocconi University; Mar 2021 – April 2022; Assistant Professor, IIMAS-UNAM, Mexico.
- *Giacomo Zanella,* Post-doc, Bocconi University; Oct 2016 – Sep 2019; Assistant Professor, Bocconi University, Italy.

- *Federico Camerlenghi*, Post-doc, Bocconi University; Jan 2016 – Dec 2016; Associate Professor, University of Milano Bicocca, Italy.
- *Julyan Arbel*, Post-doc, Collegio Carlo Alberto and Bocconi University; Oct 2013 – Sep 2016: Associate Researcher, INRIA Grenoble, France.
- *Bernardo Nipoti*, Post-doc, Collegio Carlo Alberto and University of Torino; Jul 2011 – Feb 2016; Associate Professor, University of Milano Bicocca, Italy.
- *Antonio Canale*, Post-doc, University of Torino; Jan 2012 – Sep 2012; Associate Professor, University of Padova, Italy.
- *Reza Solgi*, Post-doc, University of Torino; Feb 2013 – Feb 2014; Research Scientist, Amazon, USA.
- *Juan Carlos Martinez Ovando*, Post-doc, University of Torino; June 2010 – Jul 2011; Assistant Professor, ITAM, Mexico.
- *Pierpaolo De Blasi*, Post-doc, University of Torino; Oct 2006 – Dec 2009; Professor, University of Torino, Italy.
- *Matteo Ruggiero*, Post-doc, University of Torino; Feb 2007 – Jan 2008; Professor, University of Torino, Italy.

PHD STUDENTS (WITH CURRENT POSITION)

- *Claudio Del Sole*, Bocconi University (co-supervisor A. Lijoi); expected Jan 2025.
- *Filippo Ascolani*, Bocconi University (co-supervisor A. Lijoi); thesis: Hierarchical structures in Bayesian Statistics, Jan 2024; Assistant Professor, Duke University, USA.
- *Francesco Gaffi*, Bocconi University (co-supervisor A. Lijoi); thesis: Modelling with discrete random probability measures, Jan 2023; Postdoctoral Fellow, University of Maryland, USA.
- *Beatrice Franzolini*, Bocconi University (co-supervisor A. Lijoi); thesis: On Dependent Processes in Bayesian Nonparametrics: Theory, Methods and Applications, Feb 2022; Postdoctoral Fellow, Agency for Science, Technology and Research, Singapore.
- *Marta Catalano*, Bocconi University (co-supervisor A. Lijoi); thesis: *On Complex Dependence Structures in Bayesian Nonparametrics: a Distance-based Approach*, Feb 2021 [finalist of *L.J Savage Award* by ISBA & ASA]; Assistant Professor, LUISS University, Italy.
- *Augusto Fasano*, Bocconi University (co-supervisor D. Durante); thesis: *Advances in Bayesian Inference for Binary and Categorical Data*, Feb 2021 [finalist of *L.J Savage Award* by ISBA & ASA]; Assistant Professor, Catholic University Milano, Italy.
- *Giovanni Rebaudo*, Bocconi University (co-supervisor A. Lijoi); thesis: *Bayesian Inference for Complex Data Structures: Theoretical and Computational Advances*, Feb 2021; Assistant Professor, University of Torino, Italy.
- *Tommaso Rigon*, Bocconi University (co-supervisor A. Lijoi); thesis: *Finite-dimensional non parametric priors: theory and applications*, Jan 2020 [winner of *L.J Savage Award* by ISBA & ASA]; Assistant Professor, University of Milano Bicocca, Italy.
- *Federico Camerlenghi*, University of Pavia (co-supervisor A. Lijoi); thesis: *Hierarchical and Nested Random Probability Measures with Statistical Applications,* Dec 2015 [winner of *L.J Savage Award* by ISBA & ASA and award for best PhD thesis in Statistics by the Italian Statistical Society]; Associate Professor, University of Milano Bicocca, Italy.
- *Consuelo Nava*, University of Torino (co-supervisor R.H. Mena); thesis: *Some advances in Bayesian Modeling and Computation*, Feb 2014; Associate Professor, University of Valle d'Aosta, Italy.
- *Karla E. Medina*, University of Torino (co-supervisor R.H. Mena); thesis: *Computational methods for Bayesian nonparametric mixtures and their applications*, Mar 2011; Banorte Generali Group, Mexico.
- *Georgia Hadjicharalambous*, University of Torino; thesis: *Some contributions to distribution theory and mixture models*, Jan 2010.

SELECTED MSc STUDENTS (WITH FIRST PLACEMENT)

- *Alessandro Sinai*, Bocconi University, expected Jul 2024.

- *Nicola Bariletto*, Bocconi University, Jul 2022; PhD in Statistics, University of Texas at Austin, started Sep 2023 [winner of *Giorgio Mortara Scholarship* by the Bank of Italy].
- *Benedetta Bruni*, Bocconi University, Apr 2022; PhD in Statistics, Duke University, started Sep 2022.
- *Stefano Cortinovis*, Bocconi University, Jul 2022; PhD in Statistical Machine Learning, Oxford University, started Sep 2022.
- *Filippo Monti*, Bocconi University, Jul 2022; PhD in Biostatistics, University of California Los Angeles, started Sep 2022.
- *Renato Berlinghieri,* Bocconi University, Jul 2021; PhD in Electronic Engineering and Computer Science (EECS), MIT; started Sep 2021.
- *Beatrice Cantoni,* Bocconi University, Apr 2021; PhD in Statistics, University of Texas at Austin, started Sep 2021.
- *Ludovico Crippa*, Bocconi University, Apr 2020; PhD in Operations, Information and Technology, Stanford University, started Sep 2020.
- *Paolo Ceriani,* Bocconi University, Jul 2020 (co-supervisor G. Zanella); PhD in Statistics and Computer Science, Bocconi University, started Sep 2020.
- *Luca Masserano*, Bocconi University, Jul 2020 (co-supervisor A. Lijoi); PhD in Statistics, Carnegie Mellon University, started Sep 2020.
- *Alice Cima*, Bocconi University, Mar 2019; PhD in Statistics, University of California at Berkeley, started Sep 2019 [winner of *Giorgio Mortara Scholarship* by the Bank of Italy].
- *Woo Jung Kim,* Bocconi University, Jul 2019; PhD in Statistics, University of Warwick, started Sep 2019.
- *Giacomo Mantegazza*, Bocconi University, Jul 2018 (co-supervisor A. Lijoi); PhD in Operations, Information and Technology, Stanford University, started Sep 2018.
- *Vincenzo Loffredo*, Bocconi University, Jul 2018 (co-supervisor A. Lijoi); PhD in Statistics, University of Michigan, started Sep 2018.
- *Lorenzo Masoero*, University of Torino and Collegio Carlo Alberto, Jul 2016 (co-supervisor P. De Blasi); PhD in Electronic Engineering and Computer Science (EECS), MIT; 2021.
- *Cecilia Balocchi*, University of Torino and Collegio Carlo Alberto, Jul 2015 (co-supervisors C. Cattuto, A. Lijoi); PhD in Statistics, Wharton School - University of Pennsylvania, 2020.
- *Fabrizio Lecci*, University of Torino and Collegio Carlo Alberto, Jul 2011; PhD in Statistics, Carnegie Mellon University, 2015.
- *Silvia Montagna*, University of Torino and Collegio Carlo Alberto, Jul 2009; PhD in Statistics, Duke University, 2013.
- *Alessandro Arlotto*, University of Torino, Jul 2007 (co-supervisor M. Scarsini); PhD in Operations Research, Wharton, University of Pennsylvania, 2012.

SOCIETY MEMBERSHIPS

American Statistical Association, Bernoulli Society, Institute of Mathematical Statistics, International Society for Bayesian Analysis, Italian Statistical Society and *Royal Statistical Society*.

LOCAL ADMINISTRATIVE DUTIES

- Member of the Executive Committee, Department of Decision Sciences, Bocconi University (2016-current)
- Member of the Junior Hiring Committee, Department of Decision Sciences, Bocconi University (2016-current)
- Board Member, Ph.D. Program in Statistics, Bocconi University Milan (2013 – present).
- Member of the Executive Council and of the Research Committee, Department of Economics and Statistics, University of Torino (2012–2015).

- Board Member, Ph.D. Programs in Statistics & Applied Mathematics and in Economics, University of Torino (2006–2013).
- Research Committee Member, Faculty of Economics, University of Torino (2005–2011).

PUBLICATIONS

PAPERS IN PEER-REVIEWED JOURNALS

[1] Catalano, M., Lavenant, H., Lijoi, A., Prünster, I. (2024). A Wasserstein index of dependence for random measures. *Journal of the American Statistical Association*, forthcoming.

[2] Ascolani, F., Franzolini, B., Lijoi, A. and Prünster, I. (2024). Nonparametric priors with full-range borrowing of information. *Biometrika*, forthcoming.

[3] Catalano, M., Del Sole, C., Lijoi, A., Prünster, I. (2024). A unified approach to hierarchical random measures. *D. Basu Centennial Volume*, *Sankhya-The Indian Journal of Statistics*, forthcoming.

[4] Lijoi, A., Prünster, I. and Rigon, T. (2024). Finite-dimensional discrete random structures and Bayesian clustering. *Journal of the American Statistical Association*, forthcoming.

[5] Catalano, M., Lijoi, A., Prünster, I. and Rigon, T. (2023). Bayesian modeling via discrete nonparametric priors. *Japanese Journal of Statistics and Data Science*, 6, 607-624.

[6] Franzolini, B., Lijoi, A. and Prünster, I. (2023). Model Selection for Maternal Hypertensive Disorders with Symmetric Hierarchical Dirichlet Processes. *The Annals of Applied Statistics*, 17, 313-332.

[7] Lijoi, A., Prünster, I. and Rebaudo G. (2023). Flexible clustering via hidden hierarchical Dirichlet priors. *Scandinavian Journal of Statistics*, 50, 213-234.

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[12] Arbel, J., Kon Kam King, G., Lijoi, A., Nieto-Barajas, L.E., and Prünster, I (2021). BNPdensity: Bayesian nonparametric mixture modelling in R. *Australian & New Zealand Journal of Statistics*, 63, 542-564.

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[14] Lijoi, A., Prünster, I. and Rigon, T. (2020). The Pitman-Yor multinomial process for mixture modeling. *Biometrika*, 107, 891-906.

[15] Catalano, M., Lijoi, A. and Prünster, I. (2020). Approximation of Bayesian model for time-to-event data. *Electronic Journal of Statistics*, 14, 3366-3385.

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[17] De Blasi, P., Martinez, A.E., Mena, R.H. and Prünster, I. (2020). On the inferential implications of decreasing weight structures in mixture models. *Computational Statistics & Data Analysis*, 147, 106940.

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PAPERS IN MONOGRAPHS

[74] Lijoi, A. and Prünster, I. (2010). Models beyond the Dirichlet process. In *Bayesian Nonparametrics* (Hjort, N.L., Holmes, C.C., Müller, P., Walker, S.G. Eds.), Cambridge University Press, 80-136.

PAPERS IN CONFERENCE PROCEEDINGS, NOTES AND DISCUSSIONS

[75] Ascolani, F., Lijoi, A. and Prünster, I. (2024). Discussion of "Route and community inference on the latent growth process of a network" by Crane and Xu. *Journal of the Royal Statistical Society-Series B*, forthcoming.

[76] Ascolani, F., Lijoi, A. and Prünster, I. (2023). Discussion of "Martingale Posterior Distributions" by Fong, Holmes and Walker. *Journal of the Royal Statistical Society-Series B*, 85, 1404-1405.

[77] Ascolani, F., Catalano, M., and Prünster, I. (2023). Invited discussion of "Evaluating Sensitivity to the Stick-Breaking Prior in Bayesian Nonparametrics". *Bayesian Analysis,* 18, 340-344.

[78] Gaffi, F., Lijoi, A. and Prünster, I. (2022). Specification of the base measure of nonparametric priors via random means. *Springer Proceedings in Mathematics and Statistics*, Vol. 405, 91-100.

[79] Catalano, M., Lavenant, H., Lijoi, A. and Prünster, I. (2022). Wasserstein distance and applications to Bayesian Nonparametrics. *Proceedings of the 51st Meeting of the Italian Statistical Society*, 1491-1496.

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