

Bellazzi Riccardo



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Current Position

Full Professor of Bioengineering, University of Pavia, Italy

Chair, Interdepartmental Centre for Health Technology, University of Pavia, Italy

Director, Biomedical Informatics Laboratory "Mario Stefanelli", University of Pavia, Italy

Director, LIRSC Lab (Laboratorio di Informatica e Sistemistica per la Ricerca Clinica), IRCCS Istituti Clinici Scientifici Maugeri, Pavia, Italy

Senior member, Bioinformatics and Synthetic Biology Lab, Pavia, Italy

Academic Degree

1993 PhD in Bioengineering

1989 Laurea in Electronic Engineering

Research Interests

Biomedical Data Mining, Bioinformatics, Clinical Research Informatics, Big data

Research Grants

Ministry of Education

2007-2010 ITALBIONET: Italian Bioinformatics Network (FIRB), Unit P.I.

2005-2007 Dynamical Models of gene and protein expression data (PRIN), Unit P.I.

2003-2005 Dynamical Models of microarrays gene expression data (PRIN), Unit P.I.

2001-2002 Analysis, Information visualization and visual query in databases for clinical monitoring (PRIN), Unit P.I.

Fondazione Cariplo

- 2014-2016 Rete Ematologica Lombarda (REL) biotechnology cluster for the implementation of genomic analysis and the development of innovative treatments in hematological malignancies
- 2008-2011 Bioinformatics for Tissue engineering, P.I.
- 2009-2010 Sviluppo di una diagnostica molecolare per l'insufficienza ovarica primaria: analisi di diverse coorti di pazienti e genotipizzazione con arrays di SNP ad alta densità, Unit P.I.

Lombardia Region

- 2011-2012 The Onco-i2b2 project
- 2017-2020 Genomic profiling of rare hematologic malignancies, development of personalized medicine strategies, and their implementation into the Rete Ematologica Lombarda (REL) clinical network

Health Ministry

- 2009-2010 Italian Network of Genetic Isolates (INGI): identification of genetic and environmental risk factors for obesity, Unit P.I.

Ministry of Foreign Affairs

- 2006-2009 A.I. Methods in functional genomics, P.I.

European Commission

- 2013-2017 MOSAIC - UNIPV WP leader
- 2011-2015 Mobiguide - UNIPV WP leader
- 2009-2014 SUMMIT - SUrrogate markers for Micro- and Macro-vascular hard endpoints for Innovative diabetes Tools - UNIPV project leader
- 2010-2013 Inheritance - INtegrated HEart Research In TrANslational genetics of dilated Cardiomyopathies in Europe, WP leader, UNIPV project leader
- 2000-2002 Multi-access services for telematic management of diabetes mellitus, Technical project manager
- 1996-1999 Telematic management of insulin dependent diabetes mellitus, Co-investigator

Editorial boards

- 2015-today Associate Editor of "Journal of Biomedical Informatics"
- 2011-2015 Member of the Editorial Board of "Journal of American Medical Informatics Association"
- 2014-today Member of the Editorial Board of "International Journal of Medical Informatics "

2007-today	Member of the Editorial Board of "Methods of Information in Medicine"
2006-today	Member of the Editorial Board of "Journal of Diabetes Science and Technology"
2009-2014	Associate Editor of "BMC Bioinformatics"
2005-2010	Associate Editor of "IEEE Transactions on Information Technology in Biomedicine".

Organization of Scientific Events

2016	Local chairman of the IV European i2b2 meeting;, Pavia, September 2016
2015	Track chairman for Foundations of " American Medical Informatics Association 2015 Symposium ", San Francisco, November 2015
2015	Co-chair of the organizing committee of " AIME 2015 - Artificial Intelligence in medicine Conference ", Pavia, June 2015
2014	Track Chairman of the Conference "IEEE International Conference on Healthcare Informatics 2014 (ICHI 2014)", Verona, September 2014
2014	Member of the Planning Committee the Conference "GNB 2014", Pavia, May 2014
2012	Track Chairman of the Conference "AMIA SUMMIT on Translational Bioinformatics", San Francisco, March 2012
2011	Chairman of the Workshop "NETTAB on Clinical Bioinformatics", Pavia, October 2011
2010	Co-Chairman of the Scientific Programme Committee of the World Conference of Medical and Health Informatics (MEDINFO), Cape Town, September 2010
2007	Program Chairman of the Conference "Artificial Intelligence in Medicine", Amsterdam, July 2007
1996-today	SPC member of several conferences and workshops, including: AMIA (2012, 2014), AMIA (2008), AIME (since 2001), Intelligent Data Analysis in Medicine and Pharmacology workshops (since 1996), Diabetes Technology meetings (since 2002), IDA (1997, 2007, 2009), IEEE CBMS (since 2005), PAIS (since 2005)

International and National Organizations, Awards

2017	Premio al LISRC - ICS Maugeri per Innovazione digitale in Sanità (Politecnico di Milano)
2017	ERC Expert
2015	ERC Expert - Starting grants
2013	Included in the list of Top Italian Scientists
2010-2013	Member of the Board of the International Medical Informatics Association - Vice President for Medinfo
2009-today	Fellow of the American College of Medical Informatics
2000-2008	Chairman, Working group of the International Medical Informatics Association on Intelligent Data Analysis and Data Mining
2005-today	Member of the American Medical Informatics Association
2005-today	Member of the Board of Artificial Intelligence in Medicine Society
2007-today	Member of the Italian Bioinformatics Association
1992	Second prize at the AMIA Student's paper competition

International agreements

- 2009-2016 Chair of the agreement of the University of Pavia with Harvard Medical School on the project i2b2/Pavia. [i2b2](#) is a NIH research center
- 2009-today Chair of the agreement of the University of Pavia with Harvard Medical School on the project BK2D PICSURE. [pic-sure](#) is a NIH research center<
- 2013-2016 Chair of the agreement of the University of Pavia with the [Health and Biomedical Informatics Research Center in Melbourne, Australia](#).

Recent Invited talks

- 2017 Opening Keynote at the Informatics for Health - Medical Informatics Europe conference - The Value of Variety - Manchester
- 2016 "1st Workshop on Artificial Intelligence and Diabetes; – Decision support systems in Diabetes - Den Haag
- 2015 "2nd Workshop on Data Mining for Medical Informatics (DMMI); – Prediction for precision medicine - San Francisco
- 2015 i2b2 Europe meeting; – i2b2 and Decision Support - Leicester
- 2014 i2b2 Europe meeting; – i2b2 and Exposomics - Gottingen
- 2013 i2b2 Europe meeting; – I2b2 Applications in Pavia - Erlangen
- 2013 HIKM 2013; – Clinical Bioinformatics and clinical research informatics- Adelaide
- 2012 APAMI 2012; – Clinical Bioinformatics - Beijing
- 2011 INFOLAC 2011; – Clinical Data Mining - Guadalajara
- 2010 International Conference on Case-Based reasoning; – CBR and Bioinformatics - Alessandria
- 2010 INFORSALUD 2010 - Madrid
- 2009 Infinitamente – A.I. in Medicine – Sistemi di supporto alle decisioni in medicina - Verona
- 2008 ICML 2008 – Workshop on Health care applications – Temporal data mining – Helsinki
- 2008 Brazilian Congress of Health Informatics – Data mining in Health care – San Paulo do Brazil
- 2008 Diabetes Technology meeting – Data mining for Diabetes management - Washington
- 2008 10th FISV Congress - Bayesian networks for the integrative analysis of genomic data – Riva del Garda
- 2007 Medicon 2007 – Telemedicine for Diabetes patients management - Ljubljana

Academic Spin-off

- 2011-today Founder and member of the board of the Academic Spin-off [Biomeris](#)
- 2011-today Founder and shareholder of the Academic Spin-off [engenome](#)

Organization

2009-today	Chair, PhD in Bioengineering and Bioinformatics, University of Pavia
2013-2016	Deputy Dean, Faculty of Engineering, University of Pavia
2009-2013	Member, Research Planning Group, University of Pavia
2009-2013	Member, Scientific Council, Fondazione Alma Mater Ticinensis, Pavia
2004-2010	Member of the Board of the PhD program in Bioengineering and Bioinformatics
2008-today	Member of the Planning committee of the Bioengineering courses
2004-2008	Member of the Board of the Master in "Complexity and its interdisciplinary applications", Institute of Advanced Studies (IUSS), Pavia, Italy
2001-2002	Member, Committee for the evaluation of teaching activity of the Faculty of Engineering, University of Pavia, Pavia, Italy

Academic Teaching

Courses

2001-today	Medical Informatics, Bachelor Degree in Biomedical Engineering, University of Pavia, Pavia, Italy
2003-today	Machine Learning in Biomedicine, Master Degree in Biomedical Engineering, University of Pavia, Italy
2016-today	Advanced Machine Learning in Biomedicine, Master Degree in Biomedical Engineering, University of Pavia, Italy
2003-2016	Bioinformatics for genomics and proteomics, Master Degree in Biotechnology in Medicine and Pharmaceuticals, University of Pavia, Italy
2007-2010	Probabilistic modelling, Master Degree in Biomedical Engineering, University of Pavia, Italy
2004-2008	Software tools and programming, Master in "Complexity and its interdisciplinary applications", Institute of Advanced Studies (IUSS), Pavia, Italy
2001-2003	Mathematical Modeling of Biological Systems, Degree in Biomedical Engineering, University of Pavia, University of Pavia, Italy
2001-2002	Medical Informatics part A, Diploma in Biomedical Engineering, University of Pavia, Pavia, Italy
1998-2001	Bioengineering, Diploma in Biomedical Engineering, University of Pavia, Pavia, Italy

My performance as a teacher? See the web site:

<https://valmon.ds.unifi.it/sisvaldidat/unipv/index.php> - courses "Informatica Medica" (Ingegneria - Bioingegneria LT) and "Data Mining e Sistemi decisionali in medicina" (Ingegneria - Bioingegneria LM)

Publications

Author of more than 150 publications on international peer reviewed journals and of than 180 publications in proceedings of international conferences

[Publication list in Pubmed](#)

[Publication list in Google Scholar](#)

Bibliometric indices

- Citations 6396 (total) 3256 (from 2012)
- h-index 42 (total) 28 (from 2012)
- i10-index 152 (total) 85 (from 2012)