

Curriculum Vitae

Loredana De Bartolo

Employment

Research Director (Dirigente di Ricerca) at National Research Council of Italy, Institute on Membrane Technology, CNR-ITM, c/o University of Calabria, cubo17/C, Via P.Bucci,I-87036 Rende (CS) Italy

National scientific habilitation (ASN)

- **Full Professor in the area:** Bioengineering 09/G2 (Bioingegneria) - Validity: from dal 05/12/2017 to 05/12/2023
- **Associate Professor in the area:**
 - Bioengineering 09/G2 (Bioingegneria) - Validity: from 14/02/2014 to 14/02/2020
 - Chemical fundamentals of technologies 03/B2 (Fondamenti chimici delle tecnologie) - Validity: from 17/02/2014 to 17/02/2020
 - Applied biology 05/F1 (Biologia Applicata) - Validity: from 22/01/2014 to 22/01/2020.

Bibliographic data

<https://orcid.org/0000-0003-3774-9114>
Scopus Author ID: 6603696872
Researcher ID: E-5074-2015
157 Papers published in international journals, books, book chapters and encyclopedia
>150 Contributions in International and National Congresses

Bibliometric data

H index= 29 (google scholar)
i10-index= 67
Citations: 2988 <https://scholar.google.com/citations?user=XjoFcC0AAAAJ&hl=it>

Work experience

Dates	Since 30/11/2018-present
Occupation or position held	Research Director at CNR (Dirigente di Ricerca)
Name and address of employer	National Research Council of Italy, Institute on Membrane Technology, CNR-ITM, c/o University of Calabria, cubo17/C, Via P.Bucci,I-87036 Rende(CS) Italy
Type of business or sector	Research in membrane science and engineering applied to biomedical field
Dates	01/01/2007- 29-11-2018
Occupation or position held	Senior Research Scientist
Name and address of employer	National Research Council of Italy, Institute on Membrane Technology, CNR-ITM, Rende (CS) Italy
Type of business or sector	Research activity on membrane bioartificial systems, bioreactors and membrane separation processes
Dates	13/11/2000 -31/12/2006
Occupation or position held	Permanent Researcher at CNR-ITM
Type of business or sector	Research activity: membrane systems in regenerative medicine, tissue engineering and biotechnology
Dates	16/07/1997 al 12/11/2000
Occupation or position held	CNR Contract Researcher , art. 23 del D.P.R. 171/91 at CNR-ITM
Type of business or sector	Research activity: membrane systems in regenerative medicine, tissue engineering and biotechnology
Dates	01/06/1996 -31/03/1997
Occupation or position held	CNR Contract Researcher , art. 23 del D.P.R. 171/91 at CNR-ITM
Type of business or sector	Research activity: development of new polymeric biomaterials for in vitro and in vivo liver reconstruction
Dates	01/03/1995-15/02/1996
Title of qualification	CNR fellowship at CNR-ITM, Rende, Italy
Education and training	
Dates	01/11/1991-30/10/1994
Title of qualification awarded	Ph.D. in "Chemical and New Materials Technologies" , at the Department of Chemical and Materials Engineering, University of Calabria, Rende Italy.
Dates	25/07/1991
Title of qualification awarded	Degree with Honours University of Calabria

Dates	1997
Title of qualification	Alexander Von Humboldt Foundation Post doc fellow at Leibniz Institute for Biotechnology and Artificial Organs, Medizinische Hochschule di Hannover (Germany)

Scientific Recognitions Invited Lectures/Keynote Lectures:

1. 9th World Congress on Chemistry and Medicinal Chemistry 13-14 May 2019 Prague, Czech Republic.
2. International Symposium of Materials on Regenerative Medicine - ISOMRM 2017, 23-26 August 2017 Taoyuan City Taiwan.
3. International Symposium on Regenerative dentistry, 14-15 July 2017, Magna Grecia University of Catanzaro.
4. Three-dimensional cell culture: innovations in tissue scaffolds and biomimetic systems: 7th-9th February 2017.
5. EU-China Membrane Forum —Membrane in Biology, Medicine and Healthcare 2016, Weihai (China) 24-27 September 2016.
6. THERMEC'2016 - 9th International Conference on Processing & Manufacturing of Advanced Materials" Graz (Austria) May 29 – June 3, 2016.
7. 12th International Conference on Catalysis in Membrane Reactors 22-25 June 2015 Szczecin (Poland).
8. 7th World Congress on Preventive and Regenerative Medicine November 4-7 2014 Taipei, Taiwan.
9. 8th International Conference on advanced materials - THERMEC 2013 Las Vegas 2-6 December 2013.
10. 6th World Congress on Preventive and Regenerative Medicine" Bhubaneswar Odisha, India 13-16 Nov. 2013.
11. Graduate course "Nanotechnology in pharmacy and medicine", Zagreb July 3-7, 2013.
12. 127th ICB Seminar International Centre of Biocybernetics, Polish Academy of Sciences, Varsaw (Poland) 17-20 October 2012.
13. 4th joint ESAO-IFAO Congress XXXVIII Congress of the European Society for Artificial Organs and IV Biennial Congress of the International Federation of Artificial Organs, Porto (Portugal) 7-12 October 2011.
14. 8th European Biophysics Congress, 23-27 August 2011 Budapest, Hungary.
15. EU-China Workshop on on Membrane Systems in Medicine, Artificial Organs and Regenerative Medicine, Weihai Shandong Cina 15-17 Novembre 2010
16. International Conference on Biofabrication 2010; Philadelphia; Pennsylvania, USA October 4-6 2010.
17. 5th World Congress on Preventive and Regenerative Medicine, Hannover 5-7 October 2010.
18. Training Course Nano-structured materials and Membranes for Health and Sustainable Water Nanomemcourse Enschede 7-16 April 2010
19. Training Course Nano-structured materials and Membranes Nanomemcourse in the Food Industry Cetraro and Rende (CS) Italy, 15 - 24 September 2010.
20. Tissue Engineering and Regenerative Medicine International Society-EU, Galway June 13-17 2010.
21. The 4th Korea-Italy S&T Forum - Selective transport processes in biotechnology and bioengineering, Naples 2-4 June 2010
22. International Conference on Processing and Manufacturing of Advanced Materials, THERMEC 2009", Berlin, 25-29 August 2009
23. University of Missouri, 5 November 2008.
24. Workshop Artificial Organs, NanoMempro, Lisbon (Portugal) 26 September 2007.
25. Membrane technologies in FP6, European Network of Excellence NanoMempro, December 6-7 2007 Brussels.
26. 5th World Congress of Biomechanics", Munich, Germany, July 29-August 4, 2006
27. International Conference on Processing and Manufacturing of Advanced Materials, THERMEC 2006", Vancouver, Canada, 4-8 July 2006
28. XXXIII ESAO Congress "Tissue Engineering symposium", Umea, Sweden, 21-24 June 2006.
29. 89th ICB Seminar International Centre of Biocybernetics, Polish Academy of Sciences, Varsaw (Poland) 22-25 November 2006.
30. European Materials Research Society E-MRS Spring Meeting Symposium on Nano-structured and intelligent bioactive materials. Strasbourg (France) 31 May-3 June 2005.
31. Euromembrane Congress 99, 19-22 Settembre 1999 Leuven (Belgio).
32. Tessile e Salute, Biella 17-19 Gennaio 2001.
33. ESA-ESTEC Workshop, Nordwijck (The Netherland), 19 April 1999

Chair person in Sessions/Symposium/Workshop at International Congresses:

1. Euromembrane 2018, Valencia 9-13 July 2018.
2. TERMIS-EU 2016 Conference, Uppsala (Sweden) 28 June-1 July 2016.
3. 12th International Conference on Catalysis in Membrane Reactors 22-25 June 2015 Szczecin (Poland).
4. 7th World Congress on Preventive and Regenerative Medicine November 4-7 2014 Taipei, Taiwan.
5. Euromembrane 2012, Londra 23-27 September 2012.
6. 4th joint ESAO-IFAO Congress, Porto (Portugal) 7-12 October 2011.
7. 5th World Congress on Preventive and Regenerative Medicine, Hannover 5-7 October 2010.
8. ESAO 2009 XXXVI Annual meeting European Society for Artificial Organs, September 2-5 2009 Compiègne

Scientific Recognitions

9. TERMIS 2008 June 22-28, Porto (Portugal).
10. **Health Workshop** NanoMempro Strategic Business and Research Agenda for Membrane Technology in Europe. Bruxelles (Belgium) 8-9 February 2007.
11. **Food Workshop** NanoMempro Strategic Business and Research Agenda for Membrane Technology in Europe. Bruxelles (Belgium) 8 February 2007.
12. Euromembrane 2006, Giardini Naxos – Taormina (Italy) 24-28 september 2006.
13. ECI- Advanced Membrane Technology III: Membrane Engineering for Process Intensification", Cetraro, CS (ITALY), 11-15 June 2006.
14. XXXIII ESAO Congress Umea, Sweden, 21-24 June 2006.
15. 7th International Conference on Catalysis in Membrane Reactors, Cetraro (CS) Italy, 11-14 september 2005.

9 Awards for scientific contribution in the field

Member of International Conference Committee and Advisory Board

- International Conference on Medicinal Chemistry, Drug Discovery and Drug Delivery – MedChem-2020, October 29-30, 2020 Vancouver, Canada
- 30th European Conference on Biomaterials ESB 2019, 9-13 September 2019 Dresden, Germany.
- 9th World Congress on Chemistry and Medicinal Chemistry May 13-14, 2019 Prague, Czech Republic.
- 5th International Conference on Applied Materials and Manufacturing Technology (ICAMMT 2019), June 21-23, 2019 Singapore.
- International Conference on Food and Biosystems Engineering (I.C. FaBE) 2019 30 May to 2 June 2019 in Agia Pelagia, Heraklion Crete Island, Greece.
- 29th European Conference on Biomaterials ESB 2018, 9-13 september 2018 Maastricht, Netherland
- "Biotechnology and biomedical applications" Membrane and Electron Membrane Processes - MELPRO conference, Praga 13-16 May 2018.
- International Conference on Advances in Biomedicine and Biomedical Engineering 6th International Conference on Biotechnology and Bioengineering ICABBE & 6th ICBB, September 26-28, 2017 Offenburg, Germany
- The 2017 International Conference on Medicine Sciences and Bioengineering ICMSB 2017, 17-19 November 2017 Chengdu China
- European Advanced Materials Congress EAMC 2017, 22 - 24 August 2017, Stockholm, Sweden.
- 1st biennial conference BioMaH October 17-20, 2016 Rome, Italy
- 27th European Conference on Biomaterials ESB2015, 30 August - 3 September 2015, Kraków, Poland
- Bioart Summer School "Biomedical membranes and (bio)artificial organs" University of Twente, 8-12 June 2015
- 7th World Congress on Preventive and Regenerative Medicine (WCPRM) Taipei Taiwan 4-7 November 2014
- 11th International Conference on Catalysis in Membrane Reactors - ICCMR11 on 7-11 July 2013 Porto (Portugal)
- Multidisciplinary team of the Delft Skyline Debates for the elaboration of the Research Agenda for Process Intensification Towards a Sustainable World of 2050, 2011.
- 24th European Conference on Biomaterials, 4-8 September 2011 Dublin, Irland
- 5th World Congress on Preventive and Regenerative Medicine 5 - 7 October 2010 Hannover, Germany
- XXXVI Annual Meeting European Society for Artificial Organs - ESAO 2009 Compiègne, Sept 2- 5, 2009.
- 3th World congress on Regenerative Medicine, Bangkok, India, 12-14 March 2009
- 2nd World congress on Regenerative Medicine, Leipzig (Germany), May 18-20 2005
- Euromembrane 2006 24-28 September 2006 Taormina (Italy)

Research Projects

1. **Contact person** of European Project SuperScienceMe H2020-MSCA-NIGHT-2020 (European Researchers' Night), Project No. 955435 (15/05/2020-14/03/2021).
2. **Scientific responsible for ITM** of the European Project H2020-EIC-FETPROACT-2019 "Evolving reversible iMmunocapture by membrane sensing peptides: towARds scalable extracellular VEsicLes isolation - MARVEL" Project No. 951768 (1/11/2020-31/10/2022).
3. **Scientific responsible** for CNR-ITM of european project BIOART— Training network for developing innovative (bio)artificial devices for treatment of kidney and liver disease. FP7-PEOPLE-2012-ITN Project No. 316690 (1 December 2012-2016)
4. **Responsible** of research area "Membranes in artificial organs and biotechnology" and of module "Membrane in artificial organs" of Department of Chemical Sciences and Material Technologies of National Research Council of Italy (CNR) since 2005 to 31/12/2015.

Research Projects

5. **Scientific responsible** for CNR-ITM of european project “Biomaterials for trachea replacement in age-related cancer humanly engineered airway – BIOtrachea”, FP7 NMP3- SL-2012-280584 (April 2012-August 2014).
6. **Scientific responsible** for CNR-ITM of transnational project MATERA ERANET SCATE BHH-2177 “Scaffolds for tissue engineering” grnated by MIUR decreto 366/Ric.2011-2014 (7 May 2011- 7 May 2014).
7. **Member of Cost Action NAMABIO MP1005** From nano to macro biomaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine (NAMABIO) 14/04/2011-14/04/2015.
8. **Contact person, member of Steering Committee of** European project SuperScienceMe Project No. 819167 H2020-MSCA-NIGHT-2018 (European Researchers' Night).
9. **Italian scientific responsible of bilateral project** “Study of the chitosan-cell membrane interactions for the neuronal regeneration” CNR-CNPq Italy-Brazil between ITM-CNR and Institute of Physics of São Carlos - IFSC, University of São Paulo (1 January 2010- 31 December 2011) Prot. No. 0030504.
10. **Italian scientific responsible of bilateral project:** “Development of biocompatible membranes to be used in bioartificial skin” CNR-PAN Italy-Polonia between ITM-CNR and Institute of Biocybernetic and Biomedical Engineering Polish Academy of Sciences (1 January 2010- 31 December 2012) Prot. No.0016978.
11. **Principal Investigator** for the workpackage “Membrane systems in regenerative medicine, tissue engineering” of the research project “Membrane systems in regenerative medicine, tissue engineering and biotechnology” granted by KACST), KACST-ITM_03 (2010-2013).
12. **Scientific responsible for CNR-ITM of european project** LIVEBIOMAT NMP3-CT-013653 “Development of new polymeric biomaterials for in vitro and in vivo liver reconstruction” (1 April 2005- 30 september 2008).
13. **Coordinator and scientific responsible** of the FIRB Project (RBNE012B2K): “Sviluppo di un bioreattore a membrana per la coltura di epatociti primari come sistema modello per lo studio in vitro di metaboliti, nuove molecole farmacologiche e mediatori della risposta infiammatoria” granted by MIUR with Decreto Ministeriale 25 june 2002 prot. n. 853-Ric./2002 (5 november 2002-5 november 2006).
14. **Member of European Space Agency topical team** for the project “Controlled Tissue Development in Bioreactor” BTT-01(September 2000 – extended to july 2005)
15. **Scientific responsible for CNR-ITM** for the workpackage “WP11.4. Health” del European Network of Excellence on Nanoscale-based membrane technologies (NanoMemPro 500623-2-26-7- 2004) (2004-2008).
16. **Participant** at the project bandiera Nanomax-integrable sensors for pathological biomarkers diagnosis (N-CHEM), PNR 2011-2013, finanziato dal MIUR. Data Inizio-fine: 1/1/2014-31/12/2016.
17. **Participant at the project:** “Sistemi tecnologici avanzati e processi integrati della filiera olivicola per la valorizzazione dei prodotti e dei sottoprodotti, lo sviluppo di nuovi settori e la creazione di sistemi produttivi Eco-compatibili – PON-OLIOPiù” PON01_01545 , PON Ricerca e Competitività 2007-2013 granted by Italian Ministry of University and Research MIUR (1/10/2011-30/09/2014).
18. **Participant at the project** Marie Curie Training course on “Nanostructured materials for advanced membrane processes – NANOMEMCOURSE” 6th FP European Commission, contract no. 4655. (01/01/2007-31/12/2010).
19. **Participant at the project PRIN prot.2007SCPN4C_003** Study of the effect of IL-6 on the expression of membrane receptors and transduction of signal in human hepatocytes in a membrane biohybrid system” granted by Italian Ministry of University and Research – MIUR (22/09/2008-22/09/2010)
20. **Italian scientific responsible of bilateral project** CNR-INSERM, Consiglio Nazionale delle Ricerche– Institut National de la Santé et de la Recherche Médicale: Semipermeable membranes as means for cell oxygenation and as immunoselective barriers, between ITM-CNR and UMR CNRS 6600 – Biomecanique et Genie Biomedical, Université de Technologie de Compiègne (2001-2002 and 2003-2004).
21. **Participant at the BIOSYSTEM Technological Expertise Center, BIONETWORK** - Sistema integrato per il trasferimento di conoscenze e per il sostegno tecnico ed organizzativo alle PMI delle regioni italiane del Mezzogiorno” granted by Italian Ministry of University and Research MUR, Misura II.3 “Centri di Competenza tecnologica” (2007-2012).
22. **Participant at the project** n. 5367/202 “FOREME – Formation of researchers and experts in the field of integrated membrane operations in industrial processes, funded by Ministry of University, Research and Technological Development of Italy. - PON “Ricerca Scientifica, Sviluppo Tecnologico, Alta Formazione 200-2006” – Avviso 4391 del 31 luglio 2001, Misura III.1, (01/07/2002-30/06/2004)
23. **Principal investigator** of Research project granted by Biofil Fresenius Hemocare on “Membranes for separation of leucocytes from blood” (2001-2002)
24. **Principal investigator** of the Project “Programma Operativo Plurifondo” granted by Calabria Region on the development of membrane systems in biomedical applications 94-99.

National and International Academic Committee

- Member of PhD Committee for defense of thesis of Sandra Sanchez Gonzalez at the University of Cantabria Santander (Spain) 1 March 2019
- Member of Committee for public recruitment of CNR researchers October-December 2018.
- Member of Committee in 53 public selections for recruitment of post-doc and post-graduated fellowship (2002-2020).
- Adjunct member of Master Degree students at the University of Calabria (2004-2020).

Institutional Responsibilities

- Member of Scientific Council of ITM-CNR since 2009
- Member of PhD Committee in Sciences and Physical, Chemical and Materials Technologies” of the University of Calabria since 2013
- Member of PhD Committee in Operative Research of the University of Calabria 2010 - 2012.
- Responsible of research area “Membranes in artificial organs and biotechnology” of Department of Chemical Sciences and Material Technologies of CNR 2005-2015

Teaching activity

- **Supervisor** of about 49 master student thesis of students from University of Calabria
- **Supervisor** of about 12 Ph.D. thesis from University of Calabria.
- **Supervisor** of about 50 master trainees
- **Tutor** for CNR fellowships of high formation at CNR Research Institute on Membrane Technology, ITM-CNR
- **Supervisor** of 9 post doc and research contracts.
- **Seminars/Courses taught at advanced level:**
 1. Doctoral school SIACE “Biocompatible membranes and sustainable materials for applications in biomedical field, University of Calabria, 10-14 September 2020.
 2. “Nanostructured Membranes for the Engineering of Organs and Tissues”. PhD course in Sciences and Physical, Chemical and Materials Technologies” STFCM of the University of Calabria 20/09/2017
 3. “Membrane bioreactors using liver cells” Bioart Summer School “Biomedical membranes and (bio)artificial organs” University of Twente The Netherlands, 8-12 June 2015
 4. “Membrane devices and systems using liver cells” Training course Membrane bioartificial systems Part II, Workshop II Bioartificial Liver and Tissue Engineering, Cetraro 24-26 September 2014
 5. Membrane Bioreactors with mammalian cells for bioartificial organs” XXXI EMS Summer School 2014 on Innovative Membrane Systems, Cetraro (CS) September 28 – October 3, 2014
 6. Membrane artificial organs and membrane systems applied to biomedicine, training activity PON 01_00937 “Modelli sperimentali biotecnologici integrati per lo sviluppo e la selezione di molecole di interesse per la salute dell'uomo” Dipartimento DiBest, University of Calabria, 26/06/2013-28/06/2013.
 7. “Membranes in biomedical applications and tissue engineering” Membrane Course for PhD students of the European PhD course EUDIME, 25 March 2013.
 8. Membrane biocompatibility al Training Course Nano-structured materials and Membranes Nanomemcourse in the Food Industry 24/09/2010
 9. Membranes for bioartificial liver al Training Course Nano-structured materials and membranes for health and sustainable water - Nanomemcourse University of Twente, Enschede Netherland, 7-16 April 2010.
 10. “Membrane bioreactor using hepatocytes for in vitro studies of drug metabolism” at the Baltic summer school on “Stem cell biology: future perspectives and possible treatment options” Kiel (Germany), 21 August-1 September 2006.
 11. “Bioreactors and biohybrid systems for regeneration of tissues and organs”, XV National School of Materials, Bressanone 21-30 September 2009.
 12. Tutor activity for the training of researchers and experts in the field of integrated membranes and in industrial processes - Progetto FOREME 5367/202, activity: 01/07/2002-30/06/2004
 13. Tutor activity for the training of researchers and experts in the field of integrated membranes and in industrial processes - Bando n.2625B1 e bando n.2625B2 codice 1180/76
Courses: i) Study and characterization of physico-chemical properties of polymeric semipermeable membranes; ii) role of surface free energy of membranes interacting with cells; Membrane and membrane processes in biomedical applications (15/04/2000-14/04/2001).
 14. Bioreactors and biohybrid systems for regeneration of tissues and organs. XV Scuola Nazionale di Scienze dei Materiali INSTM 21-30 Settembre 2009
 15. Membrane Biophysics University of Trento, Science Faculty, National School of Biophysics, Bressanone 12-15 September 2000.
 16. Membrane bioreactor using hepatocytes for in vitro studies of drug metabolism al Baltic Summer School 2006 Christian Albrechts University of Kiel Germany, 24/08/2006
 17. Training course on: Methodologies in biomedical and biotechnological research, ITM-CNR, 05-11 May 2005

Editorial activities

- **Editor of books:**
 - **L. De Bartolo**, E. Curcio and E. Drioli. Membrane systems for bioartificial organs and regenerative medicine. De Gruyter, 2017. DOI 10.1515/9783110268010-001; ISBN 978-3-11-026798-3; eBook ISBN 978-3-11-026801-0 pp.1-264
 - **L. De Bartolo** and A. Bader. Biomaterials for Stem Cell Therapy: State of Art and Vision for the Future. CRC Press: Boca Raton FL, 2013. ISBN 9781466576391, pp.1-650.
- **Associate editor** of *Cells Tissues Organs* ISSN: 1422-6405 (Print) e-ISSN: 1422-6421 (Online) (<https://www.karger.com/Journal/EditorialBoard/224197>).
- **Guest editor of:**
 - i) *Membranes* (ISSN 2077-0375) for the Special Issues: a) "Membrane and Membrane Bioreactors Applied to Health and Life Sciences"; https://www.mdpi.com/journal/membranes/special_issues/bioreactors_health_life; b) "Membrane Systems for Tissue Engineering 2020" https://www.mdpi.com/journal/membranes/special_issues/tissue_eng_membr
 - ii) *Journal of Membrane Science* for the virtual special issue "Membrane Systems and Devices for Bioartificial Organs and Tissue Engineering" 2019 published on the website of the journal
 - iii) *Current Stem Cell Research & Therapy* ISSN: 2212-3946 Online, ISSN: 1574-888X Print) per special issue "New approach in stem cell technology and innovative biomaterials for tissue engineering and regenerative medicine" 2016 Volume 11 issue 8 (<http://www.eurekaselect.com/node/637/current-stem-cell-research-therapy/issue/11/1826/8/7295>).
 - iv) *Cells Tissues Organs* (ISSN: 1422-6405 Print, 1422-6421 Online) for special issue "New advanced biomaterials for tissue and organ regeneration/repair" 2017, 204 (3-4): 1-210.
 - v) *Current Pharmaceutical Design* (ISSN: 1381-6128 Print, 1873-4286 Online) for special issue "Nanotechnology and Biomaterials for Cell and Drug Therapy" 2017; 23(26): 3757- 3906.
- **Member of Editorial board** of the journals:
 - *Biofabrication* 1/1/2011-31/12/2014.
 - *International Journal of Molecular Sciences* (ISSN 1422-0067;1661-6596 for printed)
 - *SM Journal of Polymer Science*
 - *Biomaterials and Biomechanics in Bioengineering - BME* ISSN 2465-9835(Print), ISSN 2465-9959(Online)
 - *Current Regenerative Medicine* ISSN: 2468-4252

Visiting scientist

- Institute of Physics of São Carlos - IFSC, University of São Paulo (Brasil) March 2011, March 2012
- Dongseo University, Department of Bioengineering, Busan (South Korea) December 2011
- Institute of Biocybernetic and Biomedical Engineering Polish Academy of Sciences (Poland) December 2010
- University of Missouri, Columbia (USA) 2008
- Biomedical-Biotechnological Center, BBZ, University of Leipzig, Germany - 2006
- CNRS UMR CNRS 6600 – Biomecanique et Genie Biomedical, Université de Technologie de Compiègne, Centre de Recherches de Royalliau, Compiègne - 2005
- Leibniz Institute for Biotechnology and Artificial Organs (LEBAO), Medizinische Hochschule Hannover (Germany) – 1997

Commission of Trust

- Member of International Exchanges Committee Royal Society Flexigrant (2019-2021)
- Evaluator for the Natural Sciences and Engineering Research Council of Canada (NSERC), nomination of E.W.R. Steacie Memorial Fellowship (September 2020)
- Evaluator for Technology Agency of the Czech Republic (april-june 2020)
- Evaluator for the Department of Health Sciences and Technology ETH Zurich (January 2020)
- Evaluator of proposal in the framework ERA-NET FP7 call "POR FESR 2014/2020 - Asse I Azione I.1b.1.2 – Agevolazioni a sostegno di progetti transnazionali di ricerca industriale e sviluppo sperimentale Incomera" 2018
- Evaluator of proposals for post-doc positions at the University of Piemonte Orientale 02/03/2018.
- Evaluator of proposals for post-doc positions at University of Calabria 20/12/2017.
- Evaluator of projects Uni-Impresa 2017, prog. 2017/13 for University of Padua.
- Review panel member for the Evaluation of Research Quality (VQR) ANVUR VQR 2011-2014
- Evaluator of projects SIR 2014 for the Italian Ministry of University and Research (MIUR), 7/11/2014-14/1/2015
- Evaluator for MIUR of the projects Futuro in Ricerca 2013 DM 28 12/2012 n. 956/ric 1-22, march 2013
- Review panel of the European Commission for the FP7-HEALTH-2011, 18/10/2010-02/04/2011
- Review panel of Italy-Germany Vigoni Program, 14/7/2005-19/09/2005

- Commission of Trust**
- Evaluator of projects for the University of Leuven, 23/09/2011- 08/11/2011
 - Evaluator of projects for the Innovation and technology Commission for the Government of the Hong Kong Special Administrative Region, 01/06/2011-17/06/2011
 - Evaluator of projects for Technology Agency of the Czech Republic, 05/09/2011-13/10/2011
 - Evaluator of projects for Swiss National Science Foundation, March-April 2012.
 - Review panel member for the Evaluation of Research Quality (VQR) ANVUR VQR 2004-2010

Major Collaborations

i) Institute of Physics of São Carlos - IFSC, University of São Paulo (Brasil) Prof. Osvaldo Novais de Oliveira; ii) Dongseo University, Department of Bioengineering, Busan (South Korea) Prof. Man-Gi Cho; iii) Institute of Biocybernetic and Biomedical Engineering Polish Academy of Sciences (Poland) Prof. Andrzej Chwojnowski; iv) University of Zaragoza (Spain) Prof. Silvia Irusta; v) University of Toulouse (France) Prof. Patrice Bacchin; vi) University of Missouri, Columbia (USA), Prof. Gabor Forgacs; vii) Biomedical-Biotechnological Center, BBZ, University of Leipzig, Prof. Augustinus Bader; viii) Université de Technologie de Compiègne (France), Dr. Cecile Legallais; xix) University of Twente (Netherland), Prof. Dimitrios Stamatialis; x) Leibniz Institute for Biotechnology and Artificial Organs (LEBAO), Medizinische Hochschule Hannover (Germany) Prof. Axel Haverich; xi) University of Sidney Dr. Carmine Gentile.

- Affiliation to Society and Network**
- European Membrane Society - EMS
 - Alexander von Humboldt Network
 - European Biophysical Societies' Association - EBSA
 - European Society of Biomaterials -ESB
 - Tissue Engineering and Regenerative Medicine – TERMIS
 - European Federation for Regenerative Medicine
 - Consorzio INSTM
 - World Federation Preventive & Regenerative Medicine and World Virtual Institute Preventive & Regenerative Medicine

Referees of journals

Biomaterials, Biofabrication, Biomacromolecules, Acta Biomaterialia, Scientific Report, Journal of Biotechnology, Biotechnology and Bioengineering, Biotechnology Journal, Colloids and Surfaces B: Biointerfaces, Materials Science and Engineering C, ACS Applied Materials & Interfaces, Advanced Healthcare Materials, Separation and Purification Technology, Artificial Organs, Cells Tissue and Organs, International Journal of Artificial Organs, Journal of Membrane Science, Membranes, Journal of Biomedical Materials Research: Part A, Journal of Nanoscience and Nanotechnology, Journal of Tissue Engineering and Regenerative Medicine, Current Stem Cell Research & Therapy, Sensors & Actuators: B. Chemical.

Research field

Membrane science and engineering, membrane design and development, development of nanostructured and multifunctional membranes, membrane bioartificial organs, membrane bioreactors, membrane separation processes in life science, preparation and characterization of selective for molecular separation in liquid and gas phase, development of membrane separation processes, development of catalytic membrane reactors.

Processing of personal data

I authorize the processing of my personal data in the cv pursuant to Legislative Decree 30 June 2003, n. 196 "Code regarding the protection of personal data" and the GDPR (EU Regulation 2016/679).

20 October 2020



Loredana De Bartolo