

Curriculum Vitae:**Elisabetta Dejana****Education:**

Doctor in Biological Sciences, summa cum laude, University of Bologna, Italy

Research Activity:

1977-79 Postdoctoral fellow at Dept of Pathology, Mc Master Univ, Hamilton, Ontario

1979-83 Researcher at Cardiovascular Pharmacology Lab, Mario Negri Institute, Milan, Italy

1983-88 Chief of Vascular Physiopathology Unit, Mario Negri Institute, Milan, Italy

1988 Visiting Scientist at Department of Pathology, Harvard Medical School, Boston, MA

1989 Visiting Scientist, at Hadassah Medical School, Jerusalem, Israel

1992-95 Chief of INSERM Unit 217 and CEA Lab Hematologie, CENG, Grenoble, France

1988-03 Chief of Vascular Biology Lab, Mario Negri Institute, Milan Italy

Since 2000 Chief of Angiogenesis Program, FIRC Institute of Molecular Oncology, Milan, Italy

Since 2015 Chief of Vascular Biology Unit, Dept Immunol, Genetics and Pathology, University of Uppsala, Uppsala, Sweden

Academic and Teaching Appointments:

1990-91 Contract Professor on Vascular Biology, at University of Turin, School of Medicine, Italy

1993-96 Professor, Diplome d'Etude Approfondies: Biologie et Pharmacologie de l'Hemostase et des Vaisseaux. Universités de Paris V,VI,VII,XI. France.

1993-96 Professor, Diplome, d'Etude Approfondies: Biologie Moleculaire, Universite' Joseph Fourier, Grenoble, France.

1993-96 Professore alla Maitrise des Sciences Biologiques et Médicales, Faculté de Médecine, Université Joseph Fourier, Grenoble, France.

1996 Contract Professor of Vascular Biology at University of Brescia, School of Medicine, Italy

1997 Professor at Stockholm Univ. Dept. Neurochem., Faculty of Natural Sciences. Sweden

1998-2002 Ass Prof of General Pathology at University of Insubria, School of Medicine, Varese

Since 2002 Full professor of General Pathology of University of Milan, School of Sciences, Milan,

Since 2007 Local Coord of the School of Molecular Medicine (SEMM) IFOM-IEO Campus, Milan

Awards and Honors

1996 Prize of the International Society for Thrombosis and Haemostasis, Paris, France

1997 Wennegren Foundation Award, Stockholm, Sweden

1999 John Hopkins Award in Lung Vascular Biology, Baltimore, 1999, US

2002 **Ufficiale of Italian Republic, Rome, Italy**

Since 2002 **Member of the European Molecular Biology Organization (EMBO)**

2007 William Harvey Outstanding Contribution to Science, Award 2007, London, UK

2007 Prize Speciale Donna, Pesaro, Italy

2009 Member of the Academy of Europe

2010 **Laurea Honoris Causa** in Medicine, University of Helsinki, Finland

2013 Award of International Union of Physiological Sciences, Birmingham, UK

2011 Premio Ippocrate per la Divulgazione della Scienza

2014 **Premio Feltrinelli for Excellence in Science**, Accademia dei Lincei, Rome

2014 **Laurea Honoris Causa**, University of Frankfurt, Germany

2016 **Earl P. Benditt Prize** for leading Research in Vascular Biology, IVBM, Boston, US

Bibliometrics

ED is author of:

Peer reviewed articles and reviews: 406;

total citations: 37765;

mean citation per paper: 74.73;

H-index: 104 (Google Scholar My citations):

Participation in scientific advisory boards:

2001-02 Italian Ministry of Health, Scientific Advisory Committee, IRCCS

2001-03 Italian National Institute Health, National program on Stem Cell Research

2007-9 International Human Fronteers Science Program Organization, Review Committee

2005-07 Sci Adv Board, Int Cancer Research Program, Biomedicum, Helsinki, Finland

2005-07 The Giovanni Armenise Harvard Foundation, Adv Committee (ISAC), Rome, Italy

2008-2012 Conseil Scientifique, Fondation Bettencourt Schueller, Paris, France

2013 Advisory Board for the Nature award for mentoring in science

Since 2002 UNESCO, Member of Natural Sciences Committee, Rome, Italy

Since 2007 Scientific Adv Board, Center for Transgene Tech (VIB) Univ of Leuven, Belgium

Since 2007 Scientific Advisory Board, William Harvey Research Institute, London, UK

Since 2009 **European Research Council (ERC) Scientific Committee, Bruxelles, Belgium**

Since 2010 Sci Adv Board, ISREC/EPFL, Lausanne, Switzerland

Since 2010 Sci Adv Board AIRC (Italian Association for cancer Research), Italy

Since 2011 Sci Adv Board , Helsinki University Faculty of Medicine, Helsinki, Finland

Since 2013 Sci Advisory Board Institut Pasteur , Foundation Ceenci-Bolognetti,Roma

Since 2014 **Member of the Advisory Board (Consiglio Superiore di Sanita') of the Italian Ministry of Health, Rome**

Editorial tasks

Editorial Board: The Journal of Cell Biology (1998-2008) EMBO Journal (2000-2010), EMBO reports, EMBO Medicine, BBA Cancer Reviews, American Journal of Physiology, Cell and Tissue Research

Solicited reviewer for: Nature, Nature Medicine, Nature Cell Biology, Science, Cell, Developmental Cell, Genes Development, Journal of Clinical Investigation, Proceedings National Academy of Sciences USA, The Journal of Cell Biology, Cancer Research, Circulation, Circulation Research, Development, Blood, American Journal of Pathology, Thrombosis Hemostasis, Arteriosclerosis Thrombosis and Vascular Biology

Solicited reviewer of grants: AICR (International Association for Cancer Research), INSERM France, EMBO, Dutch Heart Foundation, Weizmann Institute, European Community Biomed programs, Human Frontiers Science Program, Wellcome Trust UK, Medical Research Council (MRC) UK, Swiss National Science Foundation, Italian Ministry of Health, Italian Health Institute, Italian Ministry of University and Research.

10 Selected recent publications

1) Taddei A., Giampietro, C., Conti, A., Orsenigo, F., Breviario, F., Pirazzoli, V., Potente, M., Daly, C., Dimmeler, S., **Dejana, E.** Endothelial adherens junctions control tight junctions by VE-cadherin-mediated upregulation of claudin-5. **Nat Cell Biol.** 2008;10(8):923-34.

IF: 20,761

2) Liebner S., Corada M., Bangsow T., Babbage J., Taddei A., Czupalla CJ, Reis M., Felici A, Wolburg H, Fruttiger M, Taketo MM, von Melchner H, Plate KH, Gerardt H, **Dejana E.** Wnt/beta-catenin signaling controls development of the blood-brain barrier. *J Cell Biol.* 2008;183(3):409-17.

IF: 10,152

3) Lampugnani MG, Orsenigo F, Rudini N, Maddaluno L, Boulday G, Chapon F, **Dejana E.** CCM1 regulates vascular-lumen organization by inducing endothelial polarity. *J Cell Sci.* 2010;123(Pt 7):1073-80.

IF: 5,877

4) Corada M, Nyqvist D, Orsenigo F, Caprini A, Giampietro C, Taketo MM, Iruela-Arispe ML, Adams RH, **Dejana E.** The Wnt/beta-catenin pathway modulates vascular remodeling and specification by upregulating Dll4/Notch signaling. *Dev Cell.* 2010 Jun 15;18(6):938-49.

IF:12,861

5) Orsenigo F, Giampietro C, Ferrari A, Corada M, Galaup A, Sigismund S, Ristagno G, Maddaluno L, Koh GY, Franco D, Kurtcuoglu V, Poulikakos D, Baluk P, McDonald D, Grazia Lampugnani M, **Dejana E.** Phosphorylation of VE-cadherin is modulated by haemodynamic forces and contributes to the regulation of vascular permeability in vivo. *Nat Commun.* 2012;3:1208-12.

IF: 10,015

6) Maddaluno L, Rudini N, Cuttano R, Bravi L, Giampietro C, Corada M, Ferrarini L, Orsenigo F, Papa E, Boulday G, Tournier-Lasserre E, Chapon F, Richichi C, Retta SF, Lampugnani MG, **Dejana E.** EndMT contributes to the onset and progression of cerebral cavernous malformations. *Nature.* 2013;498(7455):492-6.

IF: 38,597

7) Corada M, Orsenigo M, Bhat G, Nyqvist D, Breviario F, Morini MF, Briot A, Pitulescu M, Iruela-Arispe L, Adams R. and **Dejana E.** Sox17 is indispensable for acquisition and maintenance of arterial identity. *Nature Comm* 2013;4:2609.

IF: 10,015

8)Giannotta M, Trani M, Dejana E. VE-cadherin and endothelial adherens junctions:active guardians of vascular integrity. *Dev Cell* 2013;26(5):441-54

IF:12,861

9)Giannotta M, Benedetti S, Tedesco FS, Corada M, Trani M, D'Antuono R, Millet Q, Orsenigo F, Gálvez BG, Cossu G, **Dejana E**. Targeting endothelial junctional adhesion molecule JAM-A/EPAC/Rap-1 axis as a novel strategy to increase stem cell engraftment in dystrophic muscles. *EMBO Mol Med*. 2014 Feb;6(2):239-58.

IF:7,795

10)**Dejana E**, Lampugnani MG. Differential adhesion drives angiogenesis *Nat Cell Biol*. 2014 Apr;16(4):305-6.

IF: 20,761