

- 1: Trani M, Dejana E. New insights in the control of vascular permeability: vascular endothelial-cadherin and other players. *Curr Opin Hematol*. 2015 May;22(3):267-72. doi: 10.1097/MOH.0000000000000137. PubMed PMID: 25767951.
- 2: Tacconi C, Correale C, Gandelli A, Spinelli A, Dejana E, D'Alessio S, Danese S. Vascular endothelial growth factor C disrupts the endothelial lymphatic barrier to promote colorectal cancer invasion. *Gastroenterology*. 2015 Jun;148(7):1438-1451.e8. doi: 10.1053/j.gastro.2015.03.005. Epub 2015 Mar 6. PubMed PMID: 25754161.
- 3: Bonfanti C, Rossi G, Tedesco FS, Giannotta M, Benedetti S, Tonlorenzi R, Antonini S, Marazzi G, Dejana E, Sasso D, Cossu G, Messina G. PW1/Peg3 expression regulates key properties that determine mesoangioblast stem cell competence. *Nat Commun*. 2015 Mar 9;6:6364. doi: 10.1038/ncomms7364. PubMed PMID: 25751651; PubMed Central PMCID: PMC4366533.
- 4: Birdsey GM, Shah AV, Dufton N, Reynolds LE, Osuna Almagro L, Yang Y, Aspalter IM, Khan ST, Mason JC, Dejana E, Göttgens B, Hodivala-Dilke K, Gerhardt H, Adams RH, Randi AM. The endothelial transcription factor ERG promotes vascular stability and growth through Wnt/ β -catenin signaling. *Dev Cell*. 2015 Jan 12;32(1):82-96. doi: 10.1016/j.devcel.2014.11.016. PubMed PMID: 25584796; PubMed Central PMCID: PMC4292982.
- 5: Corada M, Morini MF, Dejana E. Signaling pathways in the specification of arteries and veins. *Arterioscler Thromb Vasc Biol*. 2014 Nov;34(11):2372-7. doi: 10.1161/ATVBAHA.114.303218. Epub 2014 Aug 28. Review. PubMed PMID: 25169934.
- 6: Magrini E, Villa A, Angiolini F, Doni A, Mazzarol G, Rudini N, Maddaluno L, Komuta M, Topal B, Prenen H, Schachner M, Confalonieri S, Dejana E, Bianchi F, Mazzone M, Cavallaro U. Endothelial deficiency of L1 reduces tumor angiogenesis

and promotes vessel normalization. *J Clin Invest*. 2014 Oct;124(10):4335-50. doi: 10.1172/JCI70683. Epub 2014 Aug 26. PubMed PMID: 25157817; PubMed Central PMCID: PMC4191010.

7: Maes H, Kuchnio A, Peric A, Moens S, Nys K, De Bock K, Quaegebeur A, Schoors S, Georgiadou M, Wouters J, Vinckier S, Vankelecom H, Garmyn M, Vion AC, Radtke F, Boulanger C, Gerhardt H, Dejana E, Dewerchin M, Ghesquière B, Annaert W, Agostinis P, Carmeliet P. Tumor vessel normalization by chloroquine independent of autophagy. *Cancer Cell*. 2014 Aug 11;26(2):190-206. doi: 10.1016/j.ccr.2014.06.025. PubMed PMID: 25117709.

8: Zheng W, Nurmi H, Appak S, Sabine A, Bovay E, Korhonen EA, Orsenigo F, Lohela M, D'Amico G, Holopainen T, Leow CC, Dejana E, Petrova TV, Augustin HG, Alitalo K. Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. *Genes Dev*. 2014 Jul 15;28(14):1592-603. doi: 10.1101/gad.237677.114. PubMed PMID: 25030698; PubMed Central PMCID: PMC4102766.

9: Moreno V, Gonzalo P, Gómez-Escudero J, Pollán Á, Acín-Pérez R, Breckenridge M, Yáñez-Mó M, Barreiro O, Orsenigo F, Kadomatsu K, Chen CS, Enríquez JA, Dejana E, Sánchez-Madrid F, Arroyo AG. An EMMPRIN- γ -catenin-Nm23 complex drives ATP production and actomyosin contractility at endothelial junctions. *J Cell Sci*. 2014 Sep 1;127(Pt 17):3768-81. doi: 10.1242/jcs.149518. Epub 2014 Jul 2. PubMed PMID: 24994937; PubMed Central PMCID: PMC4150062.

10: Dejana E, Lampugnani MG. Differential adhesion drives angiogenesis. *Nat Cell Biol*. 2014 Apr;16(4):305-6. doi: 10.1038/ncb2943. PubMed PMID: 24691258.

11: Bravi L, Dejana E, Lampugnani MG. VE-cadherin at a glance. *Cell Tissue Res*. 2014 Mar;355(3):515-22. doi: 10.1007/s00441-014-1843-7. Epub 2014 Mar 20. PubMed PMID: 24643676.

12: Morini MF, Dejana E. Transcriptional regulation of arterial differentiation via Wnt, Sox and Notch. *Curr Opin Hematol*. 2014 May;21(3):229-34. doi: 10.1097/MOH.000000000000043. Review. PubMed PMID: 24626043.

13: Goddard LM, Murphy TJ, Org T, Enciso JM, Hashimoto-Partyka MK, Warren CM, Domigan CK, McDonald AI, He H, Sanchez LA, Allen NC, Orsenigo F, Chao LC, Dejana E, Tontonoz P, Mikkola HK, Iruela-Arispe ML. Progesterone receptor in the vascular endothelium triggers physiological uterine permeability preimplantation. *Cell*. 2014 Jan 30;156(3):549-62. doi: 10.1016/j.cell.2013.12.025. PubMed PMID: 24485460; PubMed Central PMCID: PMC3985399.

14: Jean C, Chen XL, Nam JO, Tancioni I, Uryu S, Lawson C, Ward KK, Walsh CT, Miller NL, Ghassemian M, Turowski P, Dejana E, Weis S, Cheresh DA, Schlaepfer DD. Inhibition of endothelial FAK activity prevents tumor metastasis by enhancing barrier function. *J Cell Biol*. 2014 Jan 20;204(2):247-63. doi: 10.1083/jcb.201307067. PubMed PMID: 24446483; PubMed Central PMCID: PMC3897185.

15: 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-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. doi: 10.1002/emmm.201302520. Epub 2013 Dec 30. PubMed PMID: 24378569; PubMed Central PMCID: PMC3927958.

16: Corada M, Orsenigo F, Morini MF, Pitulescu ME, Bhat G, Nyqvist D, Breviario F, Conti V, Briot A, Iruela-Arispe ML, Adams RH, Dejana E. Sox17 is indispensable for acquisition and maintenance of arterial identity. *Nat Commun*. 2013;4:2609. doi: 10.1038/ncomms3609. PubMed PMID: 24153254; PubMed Central PMCID: PMC3826640.

17: Giannotta M, Trani M, Dejana E. VE-cadherin and endothelial adherens junctions: active guardians of vascular integrity. *Dev Cell*. 2013 Sep

16;26(5):441-54. doi: 10.1016/j.devcel.2013.08.020. Review. PubMed PMID: 24044891.

18: Paolinelli R, Corada M, Ferrarini L, Devraj K, Artus C, Czupalla CJ, Rudini N, Maddaluno L, Papa E, Engelhardt B, Couraud PO, Liebner S, Dejana E. Wnt activation of immortalized brain endothelial cells as a tool for generating a standardized model of the blood brain barrier in vitro. PLoS One. 2013 Aug 5;8(8):e70233. doi: 10.1371/journal.pone.0070233. Print 2013. PubMed PMID: 23940549; PubMed Central PMCID: PMC3734070.

19: Dejana E, Orsenigo F. Endothelial adherens junctions at a glance. J Cell Sci. 2013 Jun 15;126(Pt 12):2545-9. doi: 10.1242/jcs.124529. Epub 2013 Jun 18. Review. PubMed PMID: 23781019.

20: 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 Jun 27;498(7455):492-6. doi: 10.1038/nature12207. Epub 2013 Jun 9. PubMed PMID: 23748444.

21: Hayashi M, Majumdar A, Li X, Adler J, Sun Z, Vertuani S, Hellberg C, Mellberg S, Koch S, Dimberg A, Koh GY, Dejana E, Belting HG, Affolter M, Thurston G, Holmgren L, Vestweber D, Claesson-Welsh L. VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. Nat Commun. 2013;4:1672. doi: 10.1038/ncomms2683. PubMed PMID: 23575676; PubMed Central PMCID: PMC3644080.

22: Dejana E, Vestweber D. The role of VE-cadherin in vascular morphogenesis and permeability control. Prog Mol Biol Transl Sci. 2013;116:119-44. doi: 10.1016/B978-0-12-394311-8.00006-6. Review. PubMed PMID: 23481193.

23: Anisimov A, Tvorogov D, Alitalo A, Leppänen VM, An Y, Han EC, Orsenigo F, Gaál EI, Holopainen T, Koh YJ, Tammela T, Korpisalo P, Keskkitalo S, Jeltsch M, Ylä-Herttuala S, Dejana E, Koh GY, Choi C, Saharinen P, Alitalo K. Vascular endothelial growth factor-angiopoietin chimera with improved properties for therapeutic angiogenesis. *Circulation*. 2013 Jan 29;127(4):424-34. doi: 10.1161/CIRCULATIONAHA.112.127472. PubMed PMID: 23357661.

24: Carra S, Foglia E, Cermenati S, Bresciani E, Giampietro C, Lora Lamia C, Dejana E, Beltrame M, Cotelli F. Ve-ptp modulates vascular integrity by promoting adherens junction maturation. *PLoS One*. 2012;7(12):e51245. doi: 10.1371/journal.pone.0051245. Epub 2012 Dec 14. PubMed PMID: 23251467; PubMed Central PMCID: PMC3522677.

25: Franco D, Milde F, Klingauf M, Orsenigo F, Dejana E, Poulikakos D, Cecchini M, Koumoutsakos P, Ferrari A, Kurtcuoglu V. Accelerated endothelial wound healing on microstructured substrates under flow. *Biomaterials*. 2013 Feb;34(5):1488-97. doi: 10.1016/j.biomaterials.2012.10.007. Epub 2012 Nov 22. PubMed PMID: 23182348.

26: 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. doi: 10.1038/ncomms2199. PubMed PMID: 23169049; PubMed Central PMCID: PMC3514492.

27: Dejana E, Giampietro C. Vascular endothelial-cadherin and vascular stability. *Curr Opin Hematol*. 2012 May;19(3):218-23. doi: 10.1097/MOH.0b013e3283523e1c. Review. PubMed PMID: 22395663.

28: Giampietro C, Taddei A, Corada M, Sarra-Ferraris GM, Alcalay M, Cavallaro U,

Orsenigo F, Lampugnani MG, Dejana E. Overlapping and divergent signaling pathways of N-cadherin and VE-cadherin in endothelial cells. *Blood*. 2012 Mar 1;119(9):2159-70. doi: 10.1182/blood-2011-09-381012. Epub 2012 Jan 12. PubMed PMID: 22246030.

29: Boulday G, Rudini N, Maddaluno L, Blécon A, Arnould M, Gaudric A, Chapon F, Adams RH, Dejana E, Tournier-Lasserre E. Developmental timing of CCM2 loss influences cerebral cavernous malformations in mice. *J Exp Med*. 2011 Aug 29;208(9):1835-47. doi: 10.1084/jem.20110571. Epub 2011 Aug 22. PubMed PMID: 21859843; PubMed Central PMCID: PMC3171098.

30: Murakami M, Giampietro C, Giannotta M, Corada M, Torselli I, Orsenigo F, Cocito A, d'Ario G, Mazzarol G, Confalonieri S, Di Fiore PP, Dejana E. Abrogation of junctional adhesion molecule-A expression induces cell apoptosis and reduces breast cancer progression. *PLoS One*. 2011;6(6):e21242. doi: 10.1371/journal.pone.0021242. Epub 2011 Jun 17. PubMed PMID: 21695058; PubMed Central PMCID: PMC3117883.

31: Cavallaro U, Dejana E. Adhesion molecule signalling: not always a sticky business. *Nat Rev Mol Cell Biol*. 2011 Mar;12(3):189-97. doi: 10.1038/nrm3068. Review. PubMed PMID: 21346732.

32: Paolinelli R, Corada M, Orsenigo F, Dejana E. The molecular basis of the blood brain barrier differentiation and maintenance. Is it still a mystery? *Pharmacol Res*. 2011 Mar;63(3):165-71. doi: 10.1016/j.phrs.2010.11.012. Epub 2010 Dec 15. Review. PubMed PMID: 21167284.

33: Dejana E, Nyqvist D. News from the brain: the GPR124 orphan receptor directs brain-specific angiogenesis. *Sci Transl Med*. 2010 Nov 17;2(58):58ps53. doi: 10.1126/scitranslmed.3001793. PubMed PMID: 21084718.

34: Dejana E. The role of wnt signaling in physiological and pathological

angiogenesis. *Circ Res.* 2010 Oct 15;107(8):943-52. doi:
10.1161/CIRCRESAHA.110.223750. Review. PubMed PMID: 20947863.

35: Hermans K, Claes F, Vandeveldel W, Zheng W, Geudens I, Orsenigo F, De Smet F, Gjini E, Anthonis K, Ren B, Kerjaschki D, Autiero M, Ny A, Simons M, Dewerchin M, Schulte-Merker S, Dejana E, Alitalo K, Carmeliet P. Role of synectin in lymphatic development in zebrafish and frogs. *Blood.* 2010 Oct 28;116(17):3356-66. doi:
10.1182/blood-2009-11-254557. Epub 2010 Jul 14. PubMed PMID: 20631376; PubMed
Central PMCID: PMC3490102.

36: 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. doi: 10.1016/j.devcel.2010.05.006. PubMed PMID: 20627076.

37: 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 Apr 1;123(Pt 7):1073-80. doi: 10.1242/jcs.059329. PubMed PMID: 20332120.

38: Murakami M, Francavilla C, Torselli I, Corada M, Maddaluno L, Sica A, Matteoli G, Iliev ID, Mantovani A, Rescigno M, Cavallaro U, Dejana E. Inactivation of junctional adhesion molecule-A enhances antitumoral immune response by promoting dendritic cell and T lymphocyte infiltration. *Cancer Res.* 2010 Mar 1;70(5):1759-65. doi: 10.1158/0008-5472.CAN-09-1703. Epub 2010 Feb 16. PubMed PMID: 20160037.

39: Balconi G, Lehmann R, Fiordaliso F, Assmus B, Dimmeler S, Sarto P, Carbonieri E, Gualco A, Campana C, Angelici L, Masson S, Mohammed SA, Dejana E, Gorini M, Zeiher AM, Latini R; GISSI-HF Investigators. Levels of circulating pro-angiogenic

cells predict cardiovascular outcomes in patients with chronic heart failure. *J Card Fail.* 2009 Nov;15(9):747-55. doi: 10.1016/j.cardfail.2009.05.011. Epub 2009 Jul 3. PubMed PMID: 19879460.

40: Strilić B, Kucera T, Eglinger J, Hughes MR, McNagny KM, Tsukita S, Dejana E, Ferrara N, Lammert E. The molecular basis of vascular lumen formation in the developing mouse aorta. *Dev Cell.* 2009 Oct;17(4):505-15. doi: 10.1016/j.devcel.2009.08.011. PubMed PMID: 19853564.

41: Hosking B, François M, Wilhelm D, Orsenigo F, Caprini A, Svingen T, Tutt D, Davidson T, Browne C, Dejana E, Koopman P. Sox7 and Sox17 are strain-specific modifiers of the lymphangiogenic defects caused by Sox18 dysfunction in mice. *Development.* 2009 Jul;136(14):2385-91. doi: 10.1242/dev.034827. Epub 2009 Jun 10. PubMed PMID: 19515696.

42: Montero-Balaguer M, Swirsding K, Orsenigo F, Cotelli F, Mione M, Dejana E. Stable vascular connections and remodeling require full expression of VE-cadherin in zebrafish embryos. *PLoS One.* 2009 Jun 3;4(6):e5772. doi: 10.1371/journal.pone.0005772. PubMed PMID: 19503615; PubMed Central PMCID: PMC2685470.

43: Abraham S, Yeo M, Montero-Balaguer M, Paterson H, Dejana E, Marshall CJ, Mavria G. VE-Cadherin-mediated cell-cell interaction suppresses sprouting via signaling to MLC2 phosphorylation. *Curr Biol.* 2009 Apr 28;19(8):668-74. doi: 10.1016/j.cub.2009.02.057. Epub 2009 Apr 2. PubMed PMID: 19345098.

44: Dejana E, Tournier-Lasserre E, Weinstein BM. The control of vascular integrity by endothelial cell junctions: molecular basis and pathological implications. *Dev Cell.* 2009 Feb;16(2):209-21. doi: 10.1016/j.devcel.2009.01.004. Review. PubMed PMID: 19217423.

45: Mazzone M, Dettori D, Leite de Oliveira R, Loges S, Schmidt T, Jonckx B, Tian

YM, Lanahan AA, Pollard P, Ruiz de Almodovar C, De Smet F, Vinckier S, Aragonés J, Debackere K, Luttun A, Wyns S, Jordan B, Pisacane A, Gallez B, Lampugnani MG, Dejana E, Simons M, Ratcliffe P, Maxwell P, Carmeliet P. Heterozygous deficiency of PHD2 restores tumor oxygenation and inhibits metastasis via endothelial normalization. *Cell*. 2009 Mar 6;136(5):839-51. doi: 10.1016/j.cell.2009.01.020. Epub 2009 Feb 12. PubMed PMID: 19217150; PubMed Central PMCID: PMC4037868.

46: Woodfin A, Voisin MB, Imhof BA, Dejana E, Engelhardt B, Nourshargh S. Endothelial cell activation leads to neutrophil transmigration as supported by the sequential roles of ICAM-2, JAM-A, and PECAM-1. *Blood*. 2009 Jun 11;113(24):6246-57. doi: 10.1182/blood-2008-11-188375. Epub 2009 Feb 10. PubMed PMID: 19211506; PubMed Central PMCID: PMC2699241.

47: Cera MR, Fabbri M, Molendini C, Corada M, Orsenigo F, Rehberg M, Reichel CA, Krombach F, Pardi R, Dejana E. JAM-A promotes neutrophil chemotaxis by controlling integrin internalization and recycling. *J Cell Sci*. 2009 Jan 15;122(Pt 2):268-77. doi: 10.1242/jcs.037127. PubMed PMID: 19118219.

48: Gore AV, Lampugnani MG, Dye L, Dejana E, Weinstein BM. Combinatorial interaction between CCM pathway genes precipitates hemorrhagic stroke. *Dis Model Mech*. 2008 Nov-Dec;1(4-5):275-81. doi: 10.1242/dmm.000513. Epub 2008 Oct 28. PubMed PMID: 19093037; PubMed Central PMCID: PMC2590810.

49: Rudini N, Dejana E. Adherens junctions. *Curr Biol*. 2008 Dec 9;18(23):R1080-2. doi: 10.1016/j.cub.2008.09.018. Review. PubMed PMID: 19081036.

50: Combes AN, Wilhelm D, Davidson T, Dejana E, Harley V, Sinclair A, Koopman P. Endothelial cell migration directs testis cord formation. *Dev Biol*. 2009 Feb 1;326(1):112-20. doi: 10.1016/j.ydbio.2008.10.040. Epub 2008 Nov 7. PubMed PMID: 19041858.

51: Zovein AC, Hofmann JJ, Lynch M, French WJ, Turlo KA, Yang Y, Becker MS,

Zanetta L, Dejana E, Gasson JC, Tallquist MD, Iruela-Arispe ML. Fate tracing reveals the endothelial origin of hematopoietic stem cells. *Cell Stem Cell*. 2008 Dec 4;3(6):625-36. doi: 10.1016/j.stem.2008.09.018. PubMed PMID: 19041779; PubMed Central PMCID: PMC2631552.

52: Dejana E, Simionescu M, Wolburg H. Endothelial cell biology and pathology. *Cell Tissue Res*. 2009 Jan;335(1):1-3. doi: 10.1007/s00441-008-0697-2. PubMed PMID: 19015887.

53: 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, Gerhardt H, Dejana E. Wnt/beta-catenin signaling controls development of the blood-brain barrier. *J Cell Biol*. 2008 Nov 3;183(3):409-17. doi: 10.1083/jcb.200806024. Epub 2008 Oct 27. PubMed PMID: 18955553; PubMed Central PMCID: PMC2575783.

54: François M, Caprini A, Hosking B, Orsenigo F, Wilhelm D, Browne C, Paavonen K, Karnezis T, Shayan R, Downes M, Davidson T, Tutt D, Cheah KS, Stacker SA, Muscat GE, Achen MG, Dejana E, Koopman P. Sox18 induces development of the lymphatic vasculature in mice. *Nature*. 2008 Dec 4;456(7222):643-7. doi: 10.1038/nature07391. Epub 2008 Oct 19. PubMed PMID: 18931657.

55: Dejana E, Orsenigo F, Molendini C, Baluk P, McDonald DM. Organization and signaling of endothelial cell-to-cell junctions in various regions of the blood and lymphatic vascular trees. *Cell Tissue Res*. 2009 Jan;335(1):17-25. doi: 10.1007/s00441-008-0694-5. Epub 2008 Oct 15. Review. PubMed PMID: 18855014; PubMed Central PMCID: PMC4422058.

56: 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 Aug;10(8):923-34. doi: 10.1038/ncb1752. Epub 2008 Jul 6. PubMed
PMID:
18604199.

57: Nyqvist D, Giampietro C, Dejana E. Deciphering the functional role of endothelial junctions by using in vivo models. EMBO Rep. 2008 Aug;9(8):742-7. doi: 10.1038/embor.2008.123. Epub 2008 Jul 4. Review. PubMed PMID: 18600233; PubMed Central PMCID: PMC2515211.

58: Dejana E, Orsenigo F, Lampugnani MG. The role of adherens junctions and VE-cadherin in the control of vascular permeability. J Cell Sci. 2008 Jul 1;121(Pt 13):2115-22. doi: 10.1242/jcs.017897. Review. PubMed PMID: 18565824.

59: Vetrano S, Rescigno M, Cera MR, Correale C, Rumio C, Doni A, Fantini M, Sturm A, Borroni E, Repici A, Locati M, Malesci A, Dejana E, Danese S. Unique role of junctional adhesion molecule-a in maintaining mucosal homeostasis in inflammatory bowel disease. Gastroenterology. 2008 Jul;135(1):173-84. doi: 10.1053/j.gastro.2008.04.002. Epub 2008 Apr 11. PubMed PMID: 18514073.

60: Rudini N, Felici A, Giampietro C, Lampugnani M, Corada M, Swirsding K, Garrè M, Liebner S, Letarte M, ten Dijke P, Dejana E. VE-cadherin is a critical endothelial regulator of TGF-beta signalling. EMBO J. 2008 Apr 9;27(7):993-1004. doi: 10.1038/emboj.2008.46. Epub 2008 Mar 13. PubMed PMID: 18337748; PubMed Central PMCID: PMC2323269.

61: Lampugnani MG, Dejana E. The control of endothelial cell functions by adherens junctions. Novartis Found Symp. 2007;283:4-13; discussion 13-7, 238-41. PubMed PMID: 18300410.

62: Birdsey GM, Dryden NH, Amsellem V, Gebhardt F, Sahnun K, Haskard DO, Dejana E, Mason JC, Randi AM. Transcription factor Erg regulates angiogenesis and endothelial apoptosis through VE-cadherin. Blood. 2008 Apr 1;111(7):3498-506. doi: 10.1182/blood-2007-08-105346. Epub 2008 Jan 14. PubMed PMID: 18195090;

PubMed Central PMCID: PMC2275018.

63: Turowski P, Martinelli R, Crawford R, Wateridge D, Papageorgiou AP, Lampugnani MG, Gamp AC, Vestweber D, Adamson P, Dejana E, Greenwood J. Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration.

J Cell Sci. 2008 Jan 1;121(Pt 1):29-37. PubMed PMID: 18096689; PubMed Central

PMCID: PMC3810954.

64: Cermenati S, Moleri S, Cimbri S, Corti P, Del Giacco L, Amodeo R, Dejana E,

Koopman P, Cotelli F, Beltrame M. Sox18 and Sox7 play redundant roles in vascular

development. Blood. 2008 Mar 1;111(5):2657-66. Epub 2007 Dec 19. PubMed PMID:

18094332.

65: Lampugnani MG, Dejana E. Adherens junctions in endothelial cells regulate

vessel maintenance and angiogenesis. Thromb Res. 2007;120 Suppl 2:S1-6. Erratum

in: Thromb Res. 2008;123(1):187-90. PubMed PMID: 18023702.

66: Sarto P, Balducci E, Balconi G, Fiordaliso F, Merlo L, Tuzzato G, Pappagallo

GL, Frigato N, Zanocco A, Forestieri C, Azzarello G, Mazzucco A, Valenti MT,

Alborino F, Noventa D, Vinante O, Pascotto P, Sartore S, Dejana E, Latini R.

Effects of exercise training on endothelial progenitor cells in patients with

chronic heart failure. J Card Fail. 2007 Nov;13(9):701-8. PubMed PMID: 17996817.

67: Potente M, Ghaeni L, Baldessari D, Mostoslavsky R, Rossig L, Dequiedt F,

Haendeler J, Mione M, Dejana E, Alt FW, Zeiher AM, Dimmeler S. SIRT1 controls

endothelial angiogenic functions during vascular growth. Genes Dev. 2007 Oct

15;21(20):2644-58. PubMed PMID: 17938244; PubMed Central PMCID: PMC2000327.

68: Baluk P, Fuxe J, Hashizume H, Romano T, Lashnits E, Butz S, Vestweber D,

Corada M, Molendini C, Dejana E, McDonald DM. Functionally specialized junctions

between endothelial cells of lymphatic vessels. *J Exp Med*. 2007 Oct 1;204(10):2349-62. Epub 2007 Sep 10. PubMed PMID: 17846148; PubMed Central PMCID: PMC2118470.

69: Dejana E, Taddei A, Randi AM. Foxs and Ets in the transcriptional regulation of endothelial cell differentiation and angiogenesis. *Biochim Biophys Acta*. 2007 Jun;1775(2):298-312. Epub 2007 May 18. Review. PubMed PMID: 17572301.

70: Weber C, Fraemohs L, Dejana E. The role of junctional adhesion molecules in vascular inflammation. *Nat Rev Immunol*. 2007 Jun;7(6):467-77. Review. PubMed PMID: 17525755.

71: Woodfin A, Reichel CA, Khandoga A, Corada M, Voisin MB, Scheiermann C, Haskard DO, Dejana E, Krombach F, Nourshargh S. JAM-A mediates neutrophil transmigration in a stimulus-specific manner in vivo: evidence for sequential roles for JAM-A and PECAM-1 in neutrophil transmigration. *Blood*. 2007 Sep 15;110(6):1848-56. Epub 2007 May 15. PubMed PMID: 17505016.

72: Danese S, Dejana E, Fiocchi C. Immune regulation by microvascular endothelial cells: directing innate and adaptive immunity, coagulation, and inflammation. *J Immunol*. 2007 May 15;178(10):6017-22. Review. PubMed PMID: 17475823.

73: Bordoni V, Alonzi T, Zanetta L, Khouri D, Conti A, Corazzari M, Bertolini F, Antoniotti P, Pisani G, Tognoli F, Dejana E, Tripodi M. Hepatocyte-conditioned medium sustains endothelial differentiation of human hematopoietic-endothelial progenitors. *Hepatology*. 2007 May;45(5):1218-28. PubMed PMID: 17464995.

74: Lampugnani MG, Orsenigo F, Gagliani MC, Tacchetti C, Dejana E. Vascular endothelial cadherin controls VEGFR-2 internalization and signaling from intracellular compartments. *J Cell Biol*. 2006 Aug 14;174(4):593-604. Epub 2006 Aug 7. PubMed PMID: 16893970; PubMed Central PMCID: PMC2064264.

75: Nourshargh S, Krombach F, Dejana E. The role of JAM-A and PECAM-1 in

modulating leukocyte infiltration in inflamed and ischemic tissues. *J Leukoc Biol.* 2006 Oct;80(4):714-8. Epub 2006 Jul 20. Review. PubMed PMID: 16857733.

76: You D, Waeckel L, Ebrahimian TG, Blanc-Brude O, Foubert P, Barateau V, Duriez M, Lericousse-Roussanne S, Vilar J, Dejana E, Tobelem G, Lévy BI, Silvestre JS. Increase in vascular permeability and vasodilation are critical for proangiogenic effects of stem cell therapy. *Circulation.* 2006 Jul 25;114(4):328-38. Epub 2006 Jul 17. PubMed PMID: 16847153.

77: Liebner S, Cavallaro U, Dejana E. The multiple languages of endothelial cell-to-cell communication. *Arterioscler Thromb Vasc Biol.* 2006 Jul;26(7):1431-8. Epub 2006 Mar 23. Review. PubMed PMID: 16556854.

78: Sironi M, Conti A, Bernasconi S, Fra AM, Pasqualini F, Nebuloni M, Lauri E, De Bortoli M, Mantovani A, Dejana E, Vecchi A. Generation and characterization of a mouse lymphatic endothelial cell line. *Cell Tissue Res.* 2006 Jul;325(1):91-100. Epub 2006 Mar 14. PubMed PMID: 16534603.

79: Dejana E. The transcellular railway: insights into leukocyte diapedesis. *Nat Cell Biol.* 2006 Feb;8(2):105-7. PubMed PMID: 16450004.

80: Zerneck A, Liehn EA, Fraemohs L, von Hundelshausen P, Koenen RR, Corada M, Dejana E, Weber C. Importance of junctional adhesion molecule-A for neointimal lesion formation and infiltration in atherosclerosis-prone mice. *Arterioscler Thromb Vasc Biol.* 2006 Feb;26(2):e10-3. Epub 2005 Nov 23. PubMed PMID: 16306427.

81: Cavallaro U, Liebner S, Dejana E. Endothelial cadherins and tumor angiogenesis. *Exp Cell Res.* 2006 Mar 10;312(5):659-67. Epub 2005 Oct 27. Review. PubMed PMID: 16256984.

82: Tzima E, Irani-Tehrani M, Kiosses WB, Dejana E, Schultz DA, Engelhardt B, Cao G, DeLisser H, Schwartz MA. A mechanosensory complex that mediates the endothelial cell response to fluid shear stress. *Nature*. 2005 Sep 15;437(7057):426-31. PubMed PMID: 16163360.

83: Xiao K, Garner J, Buckley KM, Vincent PA, Chiasson CM, Dejana E, Faundez V, Kowalczyk AP. p120-Catenin regulates clathrin-dependent endocytosis of VE-cadherin. *Mol Biol Cell*. 2005 Nov;16(11):5141-51. Epub 2005 Aug 24. PubMed PMID: 16120645; PubMed Central PMCID: PMC1266414.

84: Kooistra MR, Corada M, Dejana E, Bos JL. Epacl1 regulates integrity of endothelial cell junctions through VE-cadherin. *FEBS Lett*. 2005 Sep 12;579(22):4966-72. PubMed PMID: 16115630.

85: Corada M, Chimenti S, Cera MR, Vinci M, Salio M, Fiordaliso F, De Angelis N, Villa A, Bossi M, Staszewsky LI, Vecchi A, Parazzoli D, Motoike T, Latini R, Dejana E. Junctional adhesion molecule-A-deficient polymorphonuclear cells show reduced diapedesis in peritonitis and heart ischemia-reperfusion injury. *Proc Natl Acad Sci U S A*. 2005 Jul 26;102(30):10634-9. Epub 2005 Jul 18. PubMed PMID: 16027360; PubMed Central PMCID: PMC1180753.

86: Dejana E. Women in cell science. Elisabetta Dejana. Interview by Fiona Watt. *J Cell Sci*. 2005 Jul 1;118(Pt 13):2789-90. PubMed PMID: 15976440.

87: Zanetta L, Corada M, Grazia Lampugnani M, Zanetti A, Breviario F, Moons L, Carmeliet P, Pepper MS, Dejana E. Downregulation of vascular endothelial-cadherin expression is associated with an increase in vascular tumor growth and hemorrhagic complications. *Thromb Haemost*. 2005 Jun;93(6):1041-6. PubMed PMID: 15968386.

88: Rössig L, Urbich C, Brühl T, Dernbach E, Heeschen C, Chavakis E, Sasaki K, Aicher D, Diehl F, Seeger F, Potente M, Aicher A, Zanetta L, Dejana E, Zeiher AM, Dimmeler S. Histone deacetylase activity is essential for the expression of HoxA9

and for endothelial commitment of progenitor cells. *J Exp Med*. 2005 Jun 6;201(11):1825-35. Epub 2005 May 31. PubMed PMID: 15928198; PubMed Central PMCID: PMC2213253.

89: Pece-Barbara N, Vera S, Kathirkamathamby K, Liebner S, Di Guglielmo GM, Dejana E, Wrana JL, Letarte M. Endoglin null endothelial cells proliferate faster and are more responsive to transforming growth factor beta1 with higher affinity receptors and an activated Alk1 pathway. *J Biol Chem*. 2005 Jul 29;280(30):27800-8. Epub 2005 May 27. PubMed PMID: 15923183.

90: Martinez-Estrada OM, Manzi L, Tonetti P, Dejana E, Bazzoni G. Opposite effects of tumor necrosis factor and soluble fibronectin on junctional adhesion molecule-A in endothelial cells. *Am J Physiol Lung Cell Mol Physiol*. 2005 Jun;288(6):L1081-8. PubMed PMID: 15886398.

91: Khandoga A, Kessler JS, Meissner H, Hanschen M, Corada M, Motoike T, Enders G, Dejana E, Krombach F. Junctional adhesion molecule-A deficiency increases hepatic ischemia-reperfusion injury despite reduction of neutrophil transendothelial migration. *Blood*. 2005 Jul 15;106(2):725-33. Epub 2005 Apr 12. PubMed PMID: 15827135.

92: Galli D, Innocenzi A, Staszewsky L, Zanetta L, Sampaolesi M, Bai A, Martinoli E, Carlo E, Balconi G, Fiordaliso F, Chimenti S, Cusella G, Dejana E, Cossu G, Latini R. Mesoangioblasts, vessel-associated multipotent stem cells, repair the infarcted heart by multiple cellular mechanisms: a comparison with bone marrow progenitors, fibroblasts, and endothelial cells. *Arterioscler Thromb Vasc Biol*. 2005 Apr;25(4):692-7. Epub 2005 Jan 20. PubMed PMID: 15662021.

93: Bazzoni G, Tonetti P, Manzi L, Cera MR, Balconi G, Dejana E. Expression of junctional adhesion molecule-A prevents spontaneous and random motility. *J Cell Sci*. 2005 Feb 1;118(Pt 3):623-32. Epub 2005 Jan 18. PubMed PMID: 15657074.

- 94: Crosby CV, Fleming PA, Argraves WS, Corada M, Zanetta L, Dejana E, Drake CJ.
VE-cadherin is not required for the formation of nascent blood vessels but acts to prevent their disassembly. *Blood*. 2005 Apr 1;105(7):2771-6. Epub 2004 Dec 16.
PubMed PMID: 15604224.
- 95: Thomas FC, Sheth B, Eckert JJ, Bazzoni G, Dejana E, Fleming TP.
Contribution of JAM-1 to epithelial differentiation and tight-junction biogenesis in the mouse preimplantation embryo. *J Cell Sci*. 2004 Nov 1;117(Pt 23):5599-608. Epub 2004 Oct 19. PubMed PMID: 15494378.
- 96: Cera MR, Del Prete A, Vecchi A, Corada M, Martin-Padura I, Motoike T, Tonetti P, Bazzoni G, Vermi W, Gentili F, Bernasconi S, Sato TN, Mantovani A, Dejana E.
Increased DC trafficking to lymph nodes and contact hypersensitivity in junctional adhesion molecule-A-deficient mice. *J Clin Invest*. 2004 Sep;114(5):729-38. PubMed PMID: 15343392; PubMed Central PMCID: PMC514585.
- 97: Liebner S, Cattelino A, Gallini R, Rudini N, Iurlaro M, Piccolo S, Dejana E.
Beta-catenin is required for endothelial-mesenchymal transformation during heart cushion development in the mouse. *J Cell Biol*. 2004 Aug 2;166(3):359-67. PubMed PMID: 15289495; PubMed Central PMCID: PMC2172268.
- 98: Bazzoni G, Dejana E. Endothelial cell-to-cell junctions: molecular organization and role in vascular homeostasis. *Physiol Rev*. 2004 Jul;84(3):869-901. Review. PubMed PMID: 15269339.
- 99: Iurlaro M, Demontis F, Corada M, Zanetta L, Drake C, Gariboldi M, Peiro S, Cano A, Navarro P, Cattelino A, Tognin S, Marchisio PC, Dejana E. VE-cadherin expression and clustering maintain low levels of survivin in endothelial cells. *Am J Pathol*. 2004 Jul;165(1):181-9. PubMed PMID: 15215174; PubMed Central PMCID: PMC1618523.

- 100: Dejana E. Endothelial cell-cell junctions: happy together. *Nat Rev Mol Cell Biol.* 2004 Apr;5(4):261-70. Review. PubMed PMID: 15071551.
- 101: Spagnuolo R, Corada M, Orsenigo F, Zanetta L, Deuschle U, Sandy P, Schneider C, Drake CJ, Breviario F, Dejana E. Gas1 is induced by VE-cadherin and vascular endothelial growth factor and inhibits endothelial cell apoptosis. *Blood.* 2004 Apr 15;103(8):3005-12. Epub 2003 Dec 11. PubMed PMID: 15070677.
- 102: Cusella De Angelis MG, Balconi G, Bernasconi S, Zanetta L, Boratto R, Galli D, Dejana E, Cossu G. Skeletal myogenic progenitors in the endothelium of lung and yolk sac. *Exp Cell Res.* 2003 Nov 1;290(2):207-16. PubMed PMID: 14567980.
- 103: Cattelino A, Liebner S, Gallini R, Zanetti A, Balconi G, Corsi A, Bianco P, Wolburg H, Moore R, Oreda B, Kemler R, Dejana E. The conditional inactivation of the beta-catenin gene in endothelial cells causes a defective vascular pattern and increased vascular fragility. *J Cell Biol.* 2003 Sep 15;162(6):1111-22. PubMed PMID: 12975353; PubMed Central PMCID: PMC2172846.
- 104: Lindblom P, Gerhardt H, Liebner S, Abramsson A, Enge M, Hellstrom M, Backstrom G, Fredriksson S, Landegren U, Nystrom HC, Bergstrom G, Dejana E, Ostman A, Lindahl P, Betsholtz C. Endothelial PDGF-B retention is required for proper investment of pericytes in the microvessel wall. *Genes Dev.* 2003 Aug 1;17(15):1835-40. PubMed PMID: 12897053; PubMed Central PMCID: PMC196228.
- 105: Grazia Lampugnani M, Zanetti A, Corada M, Takahashi T, Balconi G, Breviario F, Orsenigo F, Cattelino A, Kemler R, Daniel TO, Dejana E. Contact inhibition of VEGF-induced proliferation requires vascular endothelial cadherin, beta-catenin, and the phosphatase DEP-1/CD148. *J Cell Biol.* 2003 May 26;161(4):793-804. PubMed PMID: 12771128; PubMed Central PMCID: PMC2199373.

106: Corada M, Zanetta L, Orsenigo F, Breviario F, Lampugnani MG, Bernasconi S, Liao F, Hicklin DJ, Bohlen P, Dejana E. A monoclonal antibody to vascular endothelial-cadherin inhibits tumor angiogenesis without side effects on endothelial permeability. *Blood*. 2002 Aug 1;100(3):905-11. PubMed PMID: 12130501.

107: Shay-Salit A, Shushy M, Wolfvitz E, Yahav H, Breviario F, Dejana E, Resnick N. VEGF receptor 2 and the adherens junction as a mechanical transducer in vascular endothelial cells. *Proc Natl Acad Sci U S A*. 2002 Jul 9;99(14):9462-7. Epub 2002 Jun 21. PubMed PMID: 12080144; PubMed Central PMCID: PMC123163.

108: Liao F, Doody JF, Overholser J, Finnerty B, Bassi R, Wu Y, Dejana E, Kussie P, Bohlen P, Hicklin DJ. Selective targeting of angiogenic tumor vasculature by vascular endothelial-cadherin antibody inhibits tumor growth without affecting vascular permeability. *Cancer Res*. 2002 May 1;62(9):2567-75. PubMed PMID: 11980651.

109: Lampugnani MG, Zanetti A, Breviario F, Balconi G, Orsenigo F, Corada M, Spagnuolo R, Betson M, Braga V, Dejana E. VE-cadherin regulates endothelial actin activating Rac and increasing membrane association of Tiam. *Mol Biol Cell*. 2002 Apr;13(4):1175-89. PubMed PMID: 11950930; PubMed Central PMCID: PMC102260.

110: Zanetti A, Lampugnani MG, Balconi G, Breviario F, Corada M, Lanfrancone L, Dejana E. Vascular endothelial growth factor induces SHC association with vascular endothelial cadherin: a potential feedback mechanism to control vascular endothelial growth factor receptor-2 signaling. *Arterioscler Thromb Vasc Biol*. 2002 Apr 1;22(4):617-22. PubMed PMID: 11950700.

111: Bazzoni G, Dejana E. Keratinocyte junctions and the epidermal barrier: how to make a skin-tight dress. *J Cell Biol*. 2002 Mar 18;156(6):947-9. Epub 2002 Mar 18. PubMed PMID: 11901163; PubMed Central PMCID: PMC2173466.

- 112: Bussolino F, Serini G, Mitola S, Bazzoni G, Dejana E. Dynamic modules and heterogeneity of function: a lesson from tyrosine kinase receptors in endothelial cells. *EMBO Rep.* 2001 Sep;2(9):763-7. PubMed PMID: 11559587; PubMed Central PMCID: PMC1084036.
- 113: Condorelli G, Borello U, De Angelis L, Latronico M, Sirabella D, Coletta M, Galli R, Balconi G, Follenzi A, Frati G, Cusella De Angelis MG, Gioglio L, Amuchastegui S, Adorini L, Naldini L, Vescovi A, Dejana E, Cossu G. Cardiomyocytes induce endothelial cells to trans-differentiate into cardiac muscle: implications for myocardium regeneration. *Proc Natl Acad Sci U S A.* 2001 Sep 11;98(19):10733-8. Epub 2001 Sep 4. PubMed PMID: 11535818; PubMed Central PMCID: PMC58544.
- 114: Kostrewa D, Brockhaus M, D'Arcy A, Dale GE, Nelboeck P, Schmid G, Mueller F, Bazzoni G, Dejana E, Bartfai T, Winkler FK, Hennig M. X-ray structure of junctional adhesion molecule: structural basis for homophilic adhesion via a novel dimerization motif. *EMBO J.* 2001 Aug 15;20(16):4391-8. PubMed PMID: 11500366; PubMed Central PMCID: PMC125582.
- 115: Bazzoni G, Dejana E. Pores in the sieve and channels in the wall: control of paracellular permeability by junctional proteins in endothelial cells. *Microcirculation.* 2001 Jun;8(3):143-52. Review. PubMed PMID: 11498778.
- 116: Dejana E, Spagnuolo R, Bazzoni G. Interendothelial junctions and their role in the control of angiogenesis, vascular permeability and leukocyte transmigration. *Thromb Haemost.* 2001 Jul;86(1):308-15. Review. PubMed PMID: 11487019.
- 117: Corada M, Liao F, Lindgren M, Lampugnani MG, Breviario F, Frank R, Muller WA, Hicklin DJ, Bohlen P, Dejana E. Monoclonal antibodies directed to different regions of vascular endothelial cadherin extracellular domain affect adhesion and clustering of the protein and modulate endothelial permeability. *Blood.* 2001 Mar

15;97(6):1679-84. PubMed PMID: 11238107.

118: Liao F, Li Y, O'Connor W, Zanetta L, Bassi R, Santiago A, Overholser J, Hooper A, Mignatti P, Dejana E, Hicklin DJ, Bohlen P. Monoclonal antibody to vascular endothelial-cadherin is a potent inhibitor of angiogenesis, tumor growth, and metastasis. *Cancer Res.* 2000 Dec 15;60(24):6805-10. PubMed PMID: 11156369.

119: Martinez-Estrada OM, Villa A, Breviario F, Orsenigo F, Dejana E, Bazzoni G. Association of junctional adhesion molecule with calcium/calmodulin-dependent serine protein kinase (CASK/LIN-2) in human epithelial caco-2 cells. *J Biol Chem.* 2001 Mar 23;276(12):9291-6. Epub 2000 Dec 18. PubMed PMID: 11120739.

120: Ludwig D, Lorenz J, Dejana E, Bohlen P, Hicklin DJ, Witte L, Pytowski B. cDNA cloning, chromosomal mapping, and expression analysis of human VE-Cadherin-2. *Mamm Genome.* 2000 Nov;11(11):1030-3. PubMed PMID: 11063261.

121: Dejana E, Lampugnani MG, Martinez-Estrada O, Bazzoni G. The molecular organization of endothelial junctions and their functional role in vascular morphogenesis and permeability. *Int J Dev Biol.* 2000;44(6):743-8. Review. PubMed PMID: 11061439.

122: Bazzoni G, Martinez-Estrada OM, Mueller F, Nelboeck P, Schmid G, Bartfai T, Dejana E, Brockhaus M. Homophilic interaction of junctional adhesion molecule. *J Biol Chem.* 2000 Oct 6;275(40):30970-6. PubMed PMID: 10913139.

123: Bazzoni G, Martinez-Estrada OM, Orsenigo F, Cordenonsi M, Citi S, Dejana E. Interaction of junctional adhesion molecule with the tight junction components ZO-1, cingulin, and occludin. *J Biol Chem.* 2000 Jul 7;275(27):20520-6. PubMed PMID: 10877843.

124: Balconi G, Spagnuolo R, Dejana E. Development of endothelial cell lines from embryonic stem cells: A tool for studying genetically manipulated endothelial cells in vitro. *Arterioscler Thromb Vasc Biol.* 2000 Jun;20(6):1443-51. PubMed PMID: 10845856.

125: Williams LA, Martin-Padura I, Dejana E, Hogg N, Simmons DL. Identification and characterisation of human Junctional Adhesion Molecule (JAM). *Mol Immunol.* 1999 Dec;36(17):1175-88. PubMed PMID: 10698320.

126: Bazzoni G, Martínez Estrada O, Dejana E. Molecular structure and functional role of vascular tight junctions. *Trends Cardiovasc Med.* 1999 Aug;9(6):147-52. Review. PubMed PMID: 10639719.

127: Dejana E, Bazzoni G, Lampugnani MG. The role of endothelial cell-to-cell junctions in vascular morphogenesis. *Thromb Haemost.* 1999 Aug;82(2):755-61. Review. PubMed PMID: 10605779.

128: Del Maschio A, De Luigi A, Martin-Padura I, Brockhaus M, Bartfai T, Fruscella P, Adorini L, Martino G, Furlan R, De Simoni MG, Dejana E. Leukocyte recruitment in the cerebrospinal fluid of mice with experimental meningitis is inhibited by an antibody to junctional adhesion molecule (JAM). *J Exp Med.* 1999 Nov 1;190(9):1351-6. PubMed PMID: 10544206; PubMed Central PMCID: PMC2195675.

129: Andriopoulou P, Navarro P, Zanetti A, Lampugnani MG, Dejana E. Histamine induces tyrosine phosphorylation of endothelial cell-to-cell adherens junctions. *Arterioscler Thromb Vasc Biol.* 1999 Oct;19(10):2286-97. PubMed PMID: 10521356.

130: Bazzoni G, Dejana E, Lampugnani MG. Endothelial adhesion molecules in the development of the vascular tree: the garden of forking paths. *Curr Opin Cell*

Biol. 1999 Oct;11(5):573-81. Review. PubMed PMID: 10508655.

131: Dejana E, Bazzoni G, Lampugnani MG. Vascular endothelial (VE)-cadherin: only an intercellular glue? Exp Cell Res. 1999 Oct 10;252(1):13-9. Review. PubMed PMID: 10502395.

132: Corada M, Mariotti M, Thurston G, Smith K, Kunkel R, Brockhaus M, Lampugnani MG, Martin-Padura I, Stoppacciaro A, Ruco L, McDonald DM, Ward PA, Dejana E. Vascular endothelial-cadherin is an important determinant of microvascular integrity in vivo. Proc Natl Acad Sci U S A. 1999 Aug 17;96(17):9815-20. PubMed PMID: 10449777; PubMed Central PMCID: PMC22293.

133: Carmeliet P, Lampugnani MG, Moons L, Breviario F, Compernelle V, Bono F, Balconi G, Spagnuolo R, Oosthuysen B, Dewerchin M, Zanetti A, Angellilo A, Mattot V, Nuyens D, Lutgens E, Clotman F, de Ruiter MC, Gittenberger-de Groot A, Poelmann R, Lupu F, Herbert JM, Collen D, Dejana E. Targeted deficiency or cytosolic truncation of the VE-cadherin gene in mice impairs VEGF-mediated endothelial survival and angiogenesis. Cell. 1999 Jul 23;98(2):147-57. PubMed PMID: 10428027.

134: Dejana E. [Research on the endothelium and new therapeutic strategies in tumors and cardiovascular diseases]. Recenti Prog Med. 1999 Feb;90(2):64-8. Italian. PubMed PMID: 10208094.

135: Braga VM, Del Maschio A, Machesky L, Dejana E. Regulation of cadherin function by Rho and Rac: modulation by junction maturation and cellular context. Mol Biol Cell. 1999 Jan;10(1):9-22. PubMed PMID: 9880323; PubMed Central PMCID: PMC25150.

136: Gory S, Vernet M, Laurent M, Dejana E, Dalmon J, Huber P. The vascular endothelial-cadherin promoter directs endothelial-specific expression in

transgenic mice. *Blood*. 1999 Jan 1;93(1):184-92. PubMed PMID: 9864160.

137: Kowalczyk AP, Navarro P, Dejana E, Bornslaeger EA, Green KJ, Kopp DS, Borgwardt JE. VE-cadherin and desmoplakin are assembled into dermal microvascular endothelial intercellular junctions: a pivotal role for plakoglobin in the recruitment of desmoplakin to intercellular junctions. *J Cell Sci*. 1998 Oct;111 (Pt 20):3045-57. PubMed PMID: 9739078.

138: Martìn-Padura I, Lostaglio S, Schneemann M, Williams L, Romano M, Fruscella P, Panzeri C, Stoppacciaro A, Ruco L, Villa A, Simmons D, Dejana E. Junctional adhesion molecule, a novel member of the immunoglobulin superfamily that distributes at intercellular junctions and modulates monocyte transmigration. *J Cell Biol*. 1998 Jul 13;142(1):117-27. PubMed PMID: 9660867; PubMed Central PMCID: PMC2133024.

139: Telo' P, Breviario F, Huber P, Panzeri C, Dejana E. Identification of a novel cadherin (vascular endothelial cadherin-2) located at intercellular junctions in endothelial cells. *J Biol Chem*. 1998 Jul 10;273(28):17565-72. PubMed PMID: 9651350.

140: Esser S, Lampugnani MG, Corada M, Dejana E, Risau W. Vascular endothelial growth factor induces VE-cadherin tyrosine phosphorylation in endothelial cells. *J Cell Sci*. 1998 Jul;111 (Pt 13):1853-65. PubMed PMID: 9625748.

141: Navarro P, Ruco L, Dejana E. Differential localization of VE- and N-cadherins in human endothelial cells: VE-cadherin competes with N-cadherin for junctional localization. *J Cell Biol*. 1998 Mar 23;140(6):1475-84. PubMed PMID: 9508779; PubMed Central PMCID: PMC2132661.

142: Telò P, Lostaglio S, Dejana E. Structure of intercellular junctions in the endothelium. *Therapie*. 1997 Sep-Oct;52(5):395-8. Review. PubMed PMID: 9501564.

143: Moll T, Dejana E, Vestweber D. In vitro degradation of endothelial catenins by a neutrophil protease. *J Cell Biol.* 1998 Jan 26;140(2):403-7. PubMed PMID: 9442115; PubMed Central PMCID: PMC2132583.

144: Lewalle JM, Bajou K, Desreux J, Mareel M, Dejana E, Noël A, Foidart JM. Alteration of interendothelial adherens junctions following tumor cell-endothelial cell interaction in vitro. *Exp Cell Res.* 1997 Dec 15;237(2):347-56. PubMed PMID: 9434630.

145: Dejana E. Endothelial adherens junctions: implications in the control of vascular permeability and angiogenesis. *J Clin Invest.* 1997 Dec 1;100(11 Suppl):S7-10. Review. PubMed PMID: 9413393.

146: Del Maschio A, Martín-Padura I, Bernasconi S, Dejana E. Triggering of beta 1-integrin chain induces platelet adhesion to cultured endothelium. *Arterioscler Thromb Vasc Biol.* 1997 Nov;17(11):2663-71. PubMed PMID: 9409240.

147: Lampugnani MG, Dejana E. Interendothelial junctions: structure, signalling and functional roles. *Curr Opin Cell Biol.* 1997 Oct;9(5):674-82. Review. PubMed PMID: 9330871.

148: Lampugnani MG, Corada M, Andriopoulou P, Esser S, Risau W, Dejana E. Cell confluence regulates tyrosine phosphorylation of adherens junction components in endothelial cells. *J Cell Sci.* 1997 Sep;110 (Pt 17):2065-77. PubMed PMID: 9378757.

149: Garlanda C, Berthier R, Garin J, Stoppacciaro A, Ruco L, Vittet D, Gulino D, Matteucci C, Mantovani A, Vecchi A, Dejana E. Characterization of MEC 14.7, a new monoclonal antibody recognizing mouse CD34: a useful reagent for identifying and characterizing blood vessels and hematopoietic precursors. *Eur J Cell Biol.* 1997 Aug;73(4):368-77. PubMed PMID: 9270880.

150: Garlanda C, Dejana E. Heterogeneity of endothelial cells. Specific markers. *Arterioscler Thromb Vasc Biol.* 1997 Jul;17(7):1193-202. Review. PubMed PMID: 9261246.

151: Vittet D, Buchou T, Schweitzer A, Dejana E, Huber P. Targeted null-mutation in the vascular endothelial-cadherin gene impairs the organization of vascular-like structures in embryoid bodies. *Proc Natl Acad Sci U S A.* 1997 Jun 10;94(12):6273-8. PubMed PMID: 9177207; PubMed Central PMCID: PMC21039.

152: Zhou Y, Fisher SJ, Janatpour M, Genbacev O, Dejana E, Wheelock M, Damsky CH. Human cytotrophoblasts adopt a vascular phenotype as they differentiate. A strategy for successful endovascular invasion? *J Clin Invest.* 1997 May 1;99(9):2139-51. PubMed PMID: 9151786; PubMed Central PMCID: PMC508044.

153: Dejana E, Valiron O, Navarro P, Lampugnani MG. Intercellular junctions in the endothelium and the control of vascular permeability. *Ann N Y Acad Sci.* 1997 Apr 15;811:36-43; discussion 43-4. Review. PubMed PMID: 9186582.

154: Dejana E. Endothelial adherens junctions: implications in the control of vascular permeability and angiogenesis. *J Clin Invest.* 1996 Nov 1;98(9):1949-53. Review. PubMed PMID: 8903311; PubMed Central PMCID: PMC507636.

155: Vittet D, Prandini MH, Berthier R, Schweitzer A, Martin-Sisteron H, Uzan G, Dejana E. Embryonic stem cells differentiate in vitro to endothelial cells through successive maturation steps. *Blood.* 1996 Nov 1;88(9):3424-31. PubMed PMID: 8896407.

156: Dejana E, Zanetti A, Del Maschio A. Adhesive proteins at endothelial cell-to-cell junctions and leukocyte extravasation. *Haemostasis.* 1996 Oct;26 Suppl 4:210-9. Review. PubMed PMID: 8979126.

- 157: Del Maschio A, Zanetti A, Corada M, Rival Y, Ruco L, Lampugnani MG, Dejana E. Polymorphonuclear leukocyte adhesion triggers the disorganization of endothelial cell-to-cell adherens junctions. *J Cell Biol.* 1996 Oct;135(2):497-510. PubMed PMID: 8896605; PubMed Central PMCID: PMC2121047.
- 158: Caveda L, Martin-Padura I, Navarro P, Breviario F, Corada M, Gulino D, Lampugnani MG, Dejana E. Inhibition of cultured cell growth by vascular endothelial cadherin (cadherin-5/VE-cadherin). *J Clin Invest.* 1996 Aug 15;98(4):886-93. PubMed PMID: 8770858; PubMed Central PMCID: PMC507501.
- 159: Valiron O, Chevrier V, Usson Y, Breviario F, Job D, Dejana E. Desmoplakin expression and organization at human umbilical vein endothelial cell-to-cell junctions. *J Cell Sci.* 1996 Aug;109 (Pt 8):2141-9. PubMed PMID: 8856510.
- 160: Rival Y, Del Maschio A, Rabiet MJ, Dejana E, Duperray A. Inhibition of platelet endothelial cell adhesion molecule-1 synthesis and leukocyte transmigration in endothelial cells by the combined action of TNF-alpha and IFN-gamma. *J Immunol.* 1996 Aug 1;157(3):1233-41. PubMed PMID: 8757631.
- 161: Rabiet MJ, Plantier JL, Rival Y, Genoux Y, Lampugnani MG, Dejana E. Thrombin-induced increase in endothelial permeability is associated with changes in cell-to-cell junction organization. *Arterioscler Thromb Vasc Biol.* 1996 Mar;16(3):488-96. PubMed PMID: 8630677.
- 162: Huber P, Dalmon J, Engiles J, Breviario F, Gory S, Siracusa LD, Buchberg AM, Dejana E. Genomic structure and chromosomal mapping of the mouse VE-cadherin gene (Cdh5). *Genomics.* 1996 Feb 15;32(1):21-8. PubMed PMID: 8786117.
- 163: Breier G, Breviario F, Caveda L, Berthier R, Schnürch H, Gotsch U, Vestweber D, Risau W, Dejana E. Molecular cloning and expression of murine vascular endothelial-cadherin in early stage development of cardiovascular system. *Blood.* 1996 Jan 15;87(2):630-41. PubMed PMID: 8555485.

164: Navarro P, Caveda L, Breviario F, Mândoteanu I, Lampugnani MG, Dejana E.
Catenin-dependent and -independent functions of vascular endothelial cadherin. *J Biol Chem.* 1995 Dec 29;270(52):30965-72. PubMed PMID: 8537353.

165: Breviario F, Caveda L, Corada M, Martin-Padura I, Navarro P, Golay J, Introna M, Gulino D, Lampugnani MG, Dejana E. Functional properties of human vascular endothelial cadherin (7B4/cadherin-5), an endothelium-specific cadherin. *Arterioscler Thromb Vasc Biol.* 1995 Aug;15(8):1229-39. PubMed PMID: 7627717.

166: Dejana E, Del Maschio A. Molecular organization and functional regulation of cell to cell junctions in the endothelium. *Thromb Haemost.* 1995 Jul;74(1):309-12. Review. PubMed PMID: 8578477.

167: Dejana E, Corada M, Lampugnani MG. Endothelial cell-to-cell junctions. *FASEB J.* 1995 Jul;9(10):910-8. Review. PubMed PMID: 7615160.

168: Lampugnani MG, Corada M, Caveda L, Breviario F, Ayalon O, Geiger B, Dejana E. The molecular organization of endothelial cell to cell junctions: differential association of plakoglobin, beta-catenin, and alpha-catenin with vascular endothelial cadherin (VE-cadherin). *J Cell Biol.* 1995 Apr;129(1):203-17. PubMed PMID: 7698986; PubMed Central PMCID: PMC2120375.

169: Garofalo A, Chirivi RG, Foglieni C, Pigott R, Mortarini R, Martin-Padura I, Anichini A, Gearing AJ, Sanchez-Madrid F, Dejana E, et al. Involvement of the very late antigen 4 integrin on melanoma in interleukin 1-augmented experimental metastases. *Cancer Res.* 1995 Jan 15;55(2):414-9. PubMed PMID: 7529137.

170: Duperray A, Mantovani A, Introna M, Dejana E. Endothelial cell regulation of leukocyte infiltration in inflammatory tissues. *Mediators Inflamm.* 1995;4(5):322-30. PubMed PMID: 18475659; PubMed Central PMCID: PMC2365653.

- 171: Martìn-Padura I, De Castellarnau C, Uccini S, Pillozzi E, Natali PG, Nicotra MR, Ughi F, Azzolini C, Dejana E, Ruco L. Expression of VE (vascular endothelial)-cadherin and other endothelial-specific markers in haemangiomas. *J Pathol.* 1995 Jan;175(1):51-7. PubMed PMID: 7891227.
- 172: Rabiet MJ, Plantier JL, Dejana E. Thrombin-induced endothelial cell dysfunction. *Br Med Bull.* 1994 Oct;50(4):936-45. Review. PubMed PMID: 7804740.
- 173: Re F, Zanetti A, Sironi M, Polentarutti N, Lanfrancone L, Dejana E, Colotta F. Inhibition of anchorage-dependent cell spreading triggers apoptosis in cultured human endothelial cells. *J Cell Biol.* 1994 Oct;127(2):537-46. PubMed PMID: 7523422; PubMed Central PMCID: PMC2120212.
- 174: Dejana E, Breviario F, Caveda L. Leukocyte-endothelial cell adhesive receptors. *Clin Exp Rheumatol.* 1994 Sep-Oct;12 Suppl 10:S25-8. Review. PubMed PMID: 7955623.
- 175: Introna M, Colotta F, Sozzani S, Dejana E, Mantovani A. Pro- and anti-inflammatory cytokines: interactions with vascular endothelium. *Clin Exp Rheumatol.* 1994 Sep-Oct;12 Suppl 10:S19-23. Review. PubMed PMID: 7955622.
- 176: Ruco LP, Stoppacciaro A, Uccini S, Breviario F, Dejana E, Gallo A, De Vincentiis M, Pileri S, Nicholls JM, Baroni CD. Expression of intercellular adhesion molecule-1 and vascular cell adhesion molecule-1 in undifferentiated nasopharyngeal carcinoma (lymphoepithelioma) and in malignant epithelial tumors. *Hum Pathol.* 1994 Sep;25(9):924-8. PubMed PMID: 7522209.
- 177: Zanetti A, Conforti G, Hess S, Martìn-Padura I, Ghibaudi E, Preissner KT, Dejana E. Clustering of vitronectin and RGD peptides on microspheres leads to engagement of integrins on the luminal aspect of endothelial cell membrane. *Blood.* 1994 Aug 15;84(4):1116-23. PubMed PMID: 7519474.

178: Ayalon O, Sabanai H, Lampugnani MG, Dejana E, Geiger B. Spatial and temporal relationships between cadherins and PECAM-1 in cell-cell junctions of human endothelial cells. *J Cell Biol.* 1994 Jul;126(1):247-58. PubMed PMID: 8027182; PubMed Central PMCID: PMC2120098.

179: Mantovani A, Colotta F, Sozzani S, Allavena P, Dejana E. Vasodilation in multistep paradigm of leucocyte extravasation. *Lancet.* 1994 Jun 11;343(8911):1499-500. PubMed PMID: 7911194.

180: Uccini S, Ruco LP, Monardo F, Stoppacciaro A, Dejana E, La Parola IL, Cerimele D, Baroni CD. Co-expression of endothelial cell and macrophage antigens in Kaposi's sarcoma cells. *J Pathol.* 1994 May;173(1):23-31. PubMed PMID: 7523640.

181: Martìn-Padura I, Bazzoni G, Zanetti A, Bernasconi S, Elices MJ, Mantovani A, Dejana E. A novel mechanism of colon carcinoma cell adhesion to the endothelium triggered by beta 1 integrin chain. *J Biol Chem.* 1994 Feb 25;269(8):6124-32. PubMed PMID: 7509799.

182: Conforti G, Dominguez-Jimenez C, Rønne E, Høyer-Hansen G, Dejana E. Cell-surface plasminogen activation causes a retraction of in vitro cultured human umbilical vein endothelial cell monolayer. *Blood.* 1994 Feb 15;83(4):994-1005. PubMed PMID: 8111067.

183: Tranchina S, Bernasconi S, Dejana E, Del Maschio A. Inhibition of human monocyte adhesion to endothelial cells by the coumarin derivative, cloricromene. *Br J Pharmacol.* 1994 Feb;111(2):575-81. PubMed PMID: 8004401; PubMed Central PMCID: PMC1909972.

184: Introna M, Breviario F, d'Aniello EM, Golay J, Dejana E, Mantovani A. IL-1 inducible genes in human umbilical vein endothelial cells. *Eur Heart J.* 1993 Dec;14 Suppl K:78-81. PubMed PMID: 8131794.

185: Lauri D, De Giovanni C, Biondelli T, Lalli E, Landuzzi L, Facchini A, Nicoletti G, Nanni P, Dejana E, Lollini PL. Decreased adhesion to endothelial cells and matrix proteins of H-2Kb gene transfected tumour cells. Br J Cancer. 1993 Nov;68(5):862-7. PubMed PMID: 7692918; PubMed Central PMCID: PMC1968745.

186: Ruco LP, Pittiglio M, Dejana E, Baroni CD. Vascular activation in the histopathogenesis of Hodgkin's disease: potential role of endothelial tissue factor in intravascular thrombosis and necrosis. J Pathol. 1993 Oct;171(2):131-6. PubMed PMID: 7506770.

187: Lampugnani MG, Caveda L, Breviario F, Del Maschio A, Dejana E. Endothelial cell-to-cell junctions. Structural characteristics and functional role in the regulation of vascular permeability and leukocyte extravasation. Baillieres Clin Haematol. 1993 Sep;6(3):539-58. Review. PubMed PMID: 8025343.

188: Taraboletti G, Belotti D, Dejana E, Mantovani A, Giavazzi R. Endothelial cell migration and invasiveness are induced by a soluble factor produced by murine endothelioma cells transformed by polyoma virus middle T oncogene. Cancer Res. 1993 Aug 15;53(16):3812-6. PubMed PMID: 8393382.

189: Introna M, Breviario F, d'Aniello E, Luchetti MM, Vidal V, Dejana E, Mantovani A. Cytokine regulation of endothelial cell function. Behring Inst Mitt. 1993 Aug;(92):23-9. Review. PubMed PMID: 8250814.

190: Del Maschio A, Dejana E, Bazzoni G. Bidirectional modulation of platelet and polymorphonuclear leukocyte activities. Ann Hematol. 1993 Jul;67(1):23-31. Review. PubMed PMID: 8334196.

191: Zatta A, Pandolfo L, Caparrotta L, Prosdocimi M, Dejana E, Del Maschio A.

Platelet aggregation induced by the endoperoxide analogue U46619 is inhibited by polymorphonuclear leukocyte ADPase activity. *Arterioscler Thromb.* 1993 May;13(5):696-701. PubMed PMID: 8485121.

192: Leach L, Clark P, Lampugnani MG, Arroyo AG, Dejana E, Firth JA. Immunoelectron characterisation of the inter-endothelial junctions of human term placenta. *J Cell Sci.* 1993 Apr;104 (Pt 4):1073-81. PubMed PMID: 8314892.

193: Cerri MA, Beltrán-Nuñez A, Bernasconi S, Dejana E, Bassi L, Bazzoni G. Inhibition of cytokine production and endothelial expression of adhesion antigens by 5'-methylthioadenosine. *Eur J Pharmacol.* 1993 Mar 2;232(2-3):291-4. PubMed PMID: 8467864.

194: Delia D, Lampugnani MG, Resnati M, Dejana E, Aiello A, Fontanella E, Soligo D, Pierotti MA, Greaves MF. CD34 expression is regulated reciprocally with adhesion molecules in vascular endothelial cells in vitro. *Blood.* 1993 Feb 15;81(4):1001-8. PubMed PMID: 7679004.

195: Bazzoni G, Beltrán Nuñez A, Mascellani G, Bianchini P, Dejana E, Del Maschio A. Effect of heparin, dermatan sulfate, and related oligo-derivatives on human polymorphonuclear leukocyte functions. *J Lab Clin Med.* 1993 Feb;121(2):268-75. PubMed PMID: 8381846.

196: Bazzoni G, Martín-Padura I, Beltrán-Nuñez A, Dejana E. Tumor cell adhesion receptors. *J Surg Oncol Suppl.* 1993;3:24-7. Review. PubMed PMID: 8503982.

197: Dejana E, Raiteri M, Resnati M, Lampugnani MG. Endothelial integrins and their role in maintaining the integrity of the vessel wall. *Kidney Int.* 1993 Jan;43(1):61-5. Review. PubMed PMID: 8433570.

198: Dejana E. Endothelial cell adhesive receptors. *J Cardiovasc Pharmacol.* 1993;21 Suppl 1:S18-21. Review. PubMed PMID: 7681127.

- 199: Tanzi MC, Resnati M, Lampugnani MG, Anouchinsky R, Ambrosio L, Mambrito B, Dejana E. Comparative biological tests on segmented polyurethanes for cardio-vascular applications. *Clin Mater.* 1993;12(1):17-23. PubMed PMID: 10148781.
- 200: Del Maschio A, Bazzoni G, Dejana E. Polymorphonuclear leukocyte adhesion to endothelial cells is inhibited by resting platelets. *Arterioscler Thromb.* 1992 Dec;12(12):1420-7. PubMed PMID: 1280466.
- 201: Dejana E. [The endothelial cell: a cell structurally simple but functionally very complex]. *Recenti Prog Med.* 1992 Oct;83(10):582-91. Review. Italian. PubMed PMID: 1462043.
- 202: Bazzoni G, Dejana E, Del Maschio A. Platelet-dependent modulation of neutrophil function. *Pharmacol Res.* 1992 Oct-Nov;26(3):269-72. Review. PubMed PMID: 1437991.
- 203: Lampugnani MG, Resnati M, Raiteri M, Pigott R, Pisacane A, Houen G, Ruco LP, Dejana E. A novel endothelial-specific membrane protein is a marker of cell-cell contacts. *J Cell Biol.* 1992 Sep;118(6):1511-22. PubMed PMID: 1522121; PubMed Central PMCID: PMC2289607.
- 204: Conforti G, Dominguez-Jimenez C, Zanetti A, Gimbrone MA Jr, Cremona O, Marchisio PC, Dejana E. Human endothelial cells express integrin receptors on the luminal aspect of their membrane. *Blood.* 1992 Jul 15;80(2):437-46. PubMed PMID: 1627801.
- 205: Mantovani A, Bussolino F, Dejana E. Cytokine regulation of endothelial cell function. *FASEB J.* 1992 May;6(8):2591-9. Review. PubMed PMID: 1592209.
- 206: Arroyo AG, Sánchez-Mateos P, Campanero MR, Martín-Padura I, Dejana E,

Sánchez-Madrid F. Regulation of the VLA integrin-ligand interactions through the beta 1 subunit. *J Cell Biol.* 1992 May;117(3):659-70. PubMed PMID: 1374069; PubMed Central PMCID: PMC2289434.

207: Jonjic N, Jílek P, Bernasconi S, Peri G, Martín-Padura I, Cenzuales S, Dejana E, Mantovani A. Molecules involved in the adhesion and cytotoxicity of activated monocytes on endothelial cells. *J Immunol.* 1992 Apr 1;148(7):2080-3. PubMed PMID: 1347549.

208: Dejana E, Martín-Padura I, Lauri D, Bernasconi S, Bani MR, Garofalo A, Giavazzi R, Magnani J, Mantovani A, Menard S. Endothelial leukocyte adhesion molecule-1-dependent adhesion of colon carcinoma cells to vascular endothelium is inhibited by an antibody to Lewis fucosylated type I carbohydrate chain. *Lab Invest.* 1992 Mar;66(3):324-30. PubMed PMID: 1371572.

209: Pellegrini R, Bazzini P, Tosi E, Tagliabue E, Conforti G, Dejana E, Ménard S, Colnaghi MI. Production and characterization of two monoclonal antibodies directed against the integrin beta 1 chain. *Tumori.* 1992 Feb 29;78(1):1-4. PubMed PMID: 1609451.

210: Patrignani P, Del Maschio A, Bazzoni G, Daffonchio L, Hernandez A, Modica R, Montesanti L, Volpi D, Patrono C, Dejana E. Inactivation of endothelin by polymorphonuclear leukocyte-derived lytic enzymes. *Blood.* 1991 Nov 15;78(10):2715-20. PubMed PMID: 1824263.

211: Bazzoni G, Dejana E, Del Maschio A. Platelet-neutrophil interactions. Possible relevance in the pathogenesis of thrombosis and inflammation. *Haematologica.* 1991 Nov-Dec;76(6):491-9. Review. PubMed PMID: 1820986.

212: Lauri D, Martín-Padura I, Biondelli T, Rossi G, Bernasconi S, Giavazzi R, Passerini F, Van Hinsbergh V, Dejana E. Role of beta 1 integrins in tumor cell

adhesion to cultured human endothelial cells. Lab Invest. 1991
Nov;65(5):525-31.
PubMed PMID: 1753702.

213: Bussolino F, De Rossi M, Sica A, Colotta F, Wang JM, Bocchietto E,
Padura
IM, Bosia A, DeJana E, Mantovani A. Murine endothelioma cell lines
transformed by
polyoma middle T oncogene as target for and producers of cytokines. J
Immunol.
1991 Oct 1;147(7):2122-9. PubMed PMID: 1918946.

214: Lauri D, Needham L, Martin-Padura I, Dejana E. Tumor cell adhesion
to
endothelial cells: endothelial leukocyte adhesion molecule-1 as an
inducible
adhesive receptor specific for colon carcinoma cells. J Natl Cancer Inst.
1991
Sep 18;83(18):1321-4. PubMed PMID: 1715924.

215: Lampugnani MG, Bernasconi S, Neri P, Lozzi L, Gavazzi I, Marchisio
PC,
Dejana E. Role of manganese in MG-63 osteosarcoma cell attachment to
fibrinogen
and von Willebrand factor. Lab Invest. 1991 Jul;65(1):96-103. PubMed
PMID:
1712876.

216: Zatta A, Prosdocimi M, Bazzoni G, Dejana E, Del Maschio A.
Polymorphonuclear
leukocyte-dependent modulation of platelet function: effect of
cloricromene. Eur
J Pharmacol. 1991 May 30;198(1):97-100. PubMed PMID: 1833211.

217: Bazzoni G, Dejana E, Del Maschio A. Adrenergic modulation of human
polymorphonuclear leukocyte activation. Potentiating effect of adenosine.
Blood.
1991 May 1;77(9):2042-8. PubMed PMID: 1850310.

218: Martin-Padura I, Mortarini R, Lauri D, Bernasconi S, Sanchez-Madrid
F,
Parmiani G, Mantovani A, Anichini A, Dejana E. Heterogeneity in human
melanoma
cell adhesion to cytokine activated endothelial cells correlates with
VLA-4
expression. Cancer Res. 1991 Apr 15;51(8):2239-41. PubMed PMID: 2009542.

- 219: Lampugnani MG, Resnati M, Dejana E, Marchisio PC. The role of integrins in the maintenance of endothelial monolayer integrity. *J Cell Biol.* 1991 Feb;112(3):479-90. PubMed PMID: 1899416; PubMed Central PMCID: PMC2288837.
- 220: Allavena P, Paganin C, Martin-Padura I, Peri G, Gaboli M, Dejana E, Marchisio PC, Mantovani A. Molecules and structures involved in the adhesion of natural killer cells to vascular endothelium. *J Exp Med.* 1991 Feb 1;173(2):439-48. PubMed PMID: 1671081; PubMed Central PMCID: PMC2118798.
- 221: Bar-Shavit R, Sabbah V, Lampugnani MG, Marchisio PC, Fenton JW 2nd, Vlodavsky I, Dejana E. An Arg-Gly-Asp sequence within thrombin promotes endothelial cell adhesion. *J Cell Biol.* 1991 Jan;112(2):335-44. PubMed PMID: 1988465; PubMed Central PMCID: PMC2288825.
- 222: Ruco LP, Pomponi D, Pigott R, Stoppacciaro A, Monardo F, Uccini S, Boraschi D, Tagliabue A, Santoni A, Dejana E, et al. Cytokine production (IL-1 alpha, IL-1 beta, and TNF alpha) and endothelial cell activation (ELAM-1 and HLA-DR) in reactive lymphadenitis, Hodgkin's disease, and in non-Hodgkin's lymphomas. An immunocytochemical study. *Am J Pathol.* 1990 Nov;137(5):1163-71. PubMed PMID: 1700619; PubMed Central PMCID: PMC1877672.
- 223: Del Maschio A, Bazzoni G, Zatta A, Chen ZM, Dejana E, Prosdocimi M. Cloricromene inhibits the activation of human platelets by ADP alone or in combination with adrenaline. *Eur J Pharmacol.* 1990 Oct 23;187(3):541-5. PubMed PMID: 2073928.
- 224: Lampugnani MG, Giorgi M, Gaboli M, Dejana E, Marchisio PC. Endothelial cell motility, integrin receptor clustering, and microfilament organization are inhibited by agents that increase intracellular cAMP. *Lab Invest.* 1990 Oct;63(4):521-31. PubMed PMID: 2172648.
- 225: Lampugnani MG, Colotta F, Polentarutti N, Pedenovi M, Mantovani A, Dejana E. Thrombin induces c-fos expression in cultured human endothelial cells by a

Ca²⁺(+)-dependent mechanism. Blood. 1990 Sep 15;76(6):1173-80. PubMed
PMID:
2119237.

226: Giavazzi R, Garofalo A, Bani MR, Abbate M, Ghezzi P, Boraschi D,
Mantovani
A, Dejana E. Interleukin 1-induced augmentation of experimental
metastases from a
human melanoma in nude mice. Cancer Res. 1990 Aug 1;50(15):4771-5. PubMed
PMID:
2196116.

227: Sica A, Wang JM, Colotta F, Dejana E, Mantovani A, Oppenheim JJ,
Larsen CG,
Zachariae CO, Matsushima K. Monocyte chemotactic and activating factor
gene
expression induced in endothelial cells by IL-1 and tumor necrosis
factor. J
Immunol. 1990 Apr 15;144(8):3034-8. PubMed PMID: 2182712.

228: Sica A, Matsushima K, Van Damme J, Wang JM, Polentarutti N, Dejana
E,
Colotta F, Mantovani A. IL-1 transcriptionally activates the neutrophil
chemotactic factor/IL-8 gene in endothelial cells. Immunology. 1990
Apr;69(4):548-53. PubMed PMID: 2185985; PubMed Central PMCID: PMC1385627.

229: Dejana E, Lampugnani MG, Giorgi M, Gaboli M, Marchisio PC.
Fibrinogen
induces endothelial cell adhesion and spreading via the release of
endogenous
matrix proteins and the recruitment of more than one integrin receptor.
Blood.
1990 Apr 1;75(7):1509-17. PubMed PMID: 1690579.

230: Conforti G, Zanetti A, Pasquali-Ronchetti I, Quaglino D Jr, Neyroz
P, Dejana
E. Modulation of vitronectin receptor binding by membrane lipid
composition. J
Biol Chem. 1990 Mar 5;265(7):4011-9. PubMed PMID: 1689312.

231: Lampugnani MG, Polentarutti N, Pedenovi M, Mantovani A, Dejana E,
Colotta F.
c-fos and c-myc expression in human endothelial cells as a function of
different
culture conditions. Exp Cell Res. 1990 Feb;186(2):381-4. PubMed PMID:
2105224.

232: Mantovani A, Sica A, Colotta F, Dejana E. The role of cytokines as communication signals between leukocytes and endothelial cells. *Prog Clin Biol Res*. 1990;349:343-53. Review. PubMed PMID: 2204933.

233: Dejana E, Lauri D. Biochemical and functional characteristics of integrins: a new family of adhesive receptors present in hematopoietic cells. *Haematologica*. 1990 Jan-Feb;75(1):1-6. Review. PubMed PMID: 2186983.

234: Breviario F, Proserpio P, Bertocchi F, Lampugnani MG, Mantovani A, Dejana E. Interleukin-1 stimulates prostacyclin production by cultured human endothelial cells by increasing arachidonic acid mobilization and conversion. *Arteriosclerosis*. 1990 Jan-Feb;10(1):129-34. PubMed PMID: 2105090.

235: Mantovani A, Dejana E. Cytokines as communication signals between leukocytes and endothelial cells. *Immunol Today*. 1989 Nov;10(11):370-5. Review. PubMed PMID: 2514701.

236: Dejana E, Lampugnani MG, Giorgi M, Gaboli M, Federici AB, Ruggeri ZM, Marchisio PC. Von Willebrand factor promotes endothelial cell adhesion via an Arg-Gly-Asp-dependent mechanism. *J Cell Biol*. 1989 Jul;109(1):367-75. PubMed PMID: 2545728; PubMed Central PMCID: PMC2115492.

237: Bertocchi F, Breviario F, Proserpio P, Wang JM, Ghezzi P, Travaglini RA, Prosdocimi M, Dejana E. In vitro inhibition of human polymorphonuclear cell function by cloricromene. *Naunyn Schmedeberg's Arch Pharmacol*. 1989 Jun;339(6):697-703. PubMed PMID: 2549432.

238: Conforti G, Zanetti A, Colella S, Abbadini M, Marchisio PC, Pytela R, Giancotti F, Tarone G, Languino LR, Dejana E. Interaction of fibronectin with cultured human endothelial cells: characterization of the specific receptor. *Blood*. 1989 May 1;73(6):1576-85. PubMed PMID: 2469496.

239: Lampugnani MG, Pedehovi M, Dejana E, Rotilio D, Donati MB, Bussolino F, Garbarino G, Ghigo D, Bosia A. Human alpha-thrombin induces phosphoinositide turnover and Ca²⁺ movements in cultured human umbilical vein endothelial cells. Thromb Res. 1989 Apr 1;54(1):75-87. PubMed PMID: 2543099.

240: Wang JM, Chen ZG, Cianciolo GJ, Snyderman R, Breviario F, Dejana E, Mantovani A. Production of a retroviral P15E-related chemotaxis inhibitor by IL-1-treated endothelial cells. A possible negative feedback in the regulation of the vascular response to monokines. J Immunol. 1989 Mar 15;142(6):2012-7. PubMed PMID: 2537869.

241: Sironi M, Breviario F, Proserpio P, Biondi A, Vecchi A, Van Damme J, Dejana E, Mantovani A. IL-1 stimulates IL-6 production in endothelial cells. J Immunol. 1989 Jan 15;142(2):549-53. PubMed PMID: 2783442.

242: Breviario F, Bertocchi F, Dejana E, Bussolino F. IL-1-induced adhesion of polymorphonuclear leukocytes to cultured human endothelial cells. Role of platelet-activating factor. J Immunol. 1988 Nov 15;141(10):3391-7. PubMed PMID: 3263425.

243: Dejana E, Bertocchi F, Bortolami MC, Regonesi A, Tonta A, Breviario F, Giavazzi R. Interleukin 1 promotes tumor cell adhesion to cultured human endothelial cells. J Clin Invest. 1988 Oct;82(4):1466-70. PubMed PMID: 3262629; PubMed Central PMCID: PMC442706.

244: Dejana E, Colella S, Conforti G, Abbadini M, Gaboli M, Marchisio PC. Fibronectin and vitronectin regulate the organization of their respective Arg-Gly-Asp adhesion receptors in cultured human endothelial cells. J Cell Biol. 1988 Sep;107(3):1215-23. PubMed PMID: 2458362; PubMed Central PMCID: PMC2115300.

245: Colotta F, Lampugnani MG, Polentarutti N, Dejana E, Mantovani A. Interleukin-1 induces c-fos protooncogene expression in cultured human endothelial cells. Biochem Biophys Res Commun. 1988 May 16;152(3):1104-10. PubMed

PMID: 3259871.

246: Prosdocimi M, Finesso M, Banzatto N, Zanetti A, de Gaetano G, Dejana E.

Prostacyclin release in the coronary circulation during sustained stimulation in vitro and in vivo experimental systems. *Thromb Haemost.* 1988 Apr 8;59(2):180-5. PubMed PMID: 3291181.

247: Beck EA, Dejana E. Thrombohemorrhagic phenomena associated with infectious diseases. *Semin Hematol.* 1988 Apr;25(2):91-100. Review. PubMed PMID: 3291132.

248: Lauri D, Dejana E, Cortelazzo S, Orlando E, Zanetti A, Viero P, de Gaetano G, Barbui T. In vitro platelet adhesion to vascular subendothelium: studies in patients with polycythaemia vera. *Eur J Haematol.* 1988 Mar;40(3):262-6. PubMed PMID: 3356242.

249: Borowska A, Lauri D, Maggi A, Dejana E, de Gaetano G, Donati MB, Pangrazzi J. Impairment of primary haemostasis by low molecular weight heparins in rats. *Br J Haematol.* 1988 Mar;68(3):339-44. PubMed PMID: 3355792.

250: Dejana E, Languino LR, Colella S, Corbascio GC, Plow E, Ginsberg M, Marchisio PC. The localization of a platelet GpIIb-IIIa-related protein in endothelial cell adhesion structures. *Blood.* 1988 Mar;71(3):566-72. PubMed PMID: 3345337.

251: Prosdocimi M, Finesso M, Dejana E. A critical approach to the study of new agents for the prevention of arterial thrombosis: a comment. *Pharmacol Res Commun.* 1988 Jan;20(1):1-6. PubMed PMID: 3375288.

252: Dejana E, Zanetti A, Conforti G. Biochemical and functional characteristics of fibrinogen interaction with endothelial cells. *Haemostasis.* 1988;18(4-6):262-70. Review. PubMed PMID: 3069642.

253: Zatta A, Zanetti A, Dejana E, Prosdocimi M. At low extracellular calcium concentration platelet activating factor induces beta-thromboglobulin release from human platelets through thromboxane-endoperoxides formation. Agents Actions. 1987 Oct;22(1-2):151-8. PubMed PMID: 2961218.

254: Cerletti C, Marchi S, Lauri D, Domanin M, Lorenzi G, Urso R, Dejana E, Latini R, de Gaetano G. Pharmacokinetics of enteric-coated aspirin and inhibition of platelet thromboxane A2 and vascular prostacyclin generation in humans. Clin Pharmacol Ther. 1987 Aug;42(2):175-80. PubMed PMID: 3301151.

255: Giancotti FG, Languino LR, Zanetti A, Peri G, Tarone G, Dejana E. Platelets express a membrane protein complex immunologically related to the fibroblast fibronectin receptor and distinct from GPIIb/IIIa. Blood. 1987 May;69(5):1535-8. PubMed PMID: 2952186.

256: Dejana E, Colella S, Languino LR, Balconi G, Corbascio GC, Marchisio PC. Fibrinogen induces adhesion, spreading, and microfilament organization of human endothelial cells in vitro. J Cell Biol. 1987 May;104(5):1403-11. PubMed PMID: 2437130; PubMed Central PMCID: PMC2114477.

257: Mantovani A, Dejana E. Modulation of endothelial function by interleukin-1. A novel target for pharmacological intervention? Biochem Pharmacol. 1987 Feb 1;36(3):301-5. Review. PubMed PMID: 3545216.

258: Dejana E, Breviario F, Erroi A, Bussolino F, Mussoni L, Gramse M, Pintucci G, Casali B, Dinarello CA, Van Damme J, et al. Modulation of endothelial cell functions by different molecular species of interleukin 1. Blood. 1987 Feb;69(2):695-9. PubMed PMID: 3542082.

259: Bussolino F, Breviario F, Aglietta M, Sanavio F, Bosia A, Dejana E. Studies

on the mechanism of interleukin 1 stimulation of platelet activating factor synthesis in human endothelial cells in culture. *Biochim Biophys Acta*. 1987 Jan 19;927(1):43-54. PubMed PMID: 3024738.

260: Dejana E, Ji-Ming W, Mantovani A. The recruitment of leukocytes and their interaction with the vessel wall: the role of interleukin-1 and tumor necrosis factor. *Scand J Rheumatol Suppl*. 1987;66:19-25. PubMed PMID: 3502509.

261: Dejana E. Endothelium, vessel injury and thrombosis. *Haematologica*. 1987 Jan-Feb;72(1):89-94. Review. PubMed PMID: 3108101.

262: Lauri D, Zanetti A, Dejana E, de Gaetano G. Effects of dipyridamole and low-dose aspirin therapy on platelet adhesion to vascular subendothelium. *Am J Cardiol*. 1986 Dec 1;58(13):1261-4. PubMed PMID: 3788816.

263: Busacca M, Breviario F, Agarossi A, Vignali M, de Gaetano G, Dejana E. Effect of cigarette smoking on plasmatic regulation of vascular prostacyclin in pregnancy and puerperium. *Obstet Gynecol*. 1986 Dec;68(6):816-9. PubMed PMID: 3537877.

264: Grames M, Breviario F, Pintucci G, Millet I, Dejana E, van Damme J, Donati MB, Mussoni L. Enhancement by interleukin-1 (IL-1) of plasminogen activator inhibitor (PA-I) activity in cultured human endothelial cells. *Biochem Biophys Res Commun*. 1986 Sep 14;139(2):720-7. PubMed PMID: 3490260.

265: Zanetti A, Zatta A, Prosdocimi M, Dejana E. The effect of AD6 (8-monochloro-3-beta-diethylamino-ethyl-4-methyl-7-ethoxy-carbonylmethoxycoumarin) on washed human platelet aggregation induced by platelet activating factor (PAF) and epinephrine. *Eur J Pharmacol*. 1986 Aug 22;128(1-2):119-27. PubMed PMID: 2944757.

266: Bussolino F, Breviario F, Tetta C, Aglietta M, Sanavio F, Mantovani A,

Dejana E. Interleukin 1 stimulates platelet activating factor production in cultured human endothelial cells. *Pharmacol Res Commun.* 1986 Aug;18 Suppl:133-7.
PubMed PMID: 3490673.

267: Latini R, Cerletti C, de Gaetano G, Dejana E, Galletti F, Urso R, Marzot M.
Comparative bioavailability of aspirin from buffered, enteric-coated and plain preparations. *Int J Clin Pharmacol Ther Toxicol.* 1986 Jun;24(6):313-8.
PubMed
PMID: 3733281.

268: de Gaetano G, Cerletti C, Dejana E, Vermeylen J. Current issues in thrombosis prevention with antiplatelet drugs. *Drugs.* 1986 Jun;31(6):517-49. Review.
PubMed
PMID: 3525085.

269: Bussolino F, Breviario F, Tetta C, Aglietta M, Mantovani A, Dejana E.
Interleukin 1 stimulates platelet-activating factor production in cultured human endothelial cells. *J Clin Invest.* 1986 Jun;77(6):2027-33. PubMed PMID: 2872233;
PubMed Central PMCID: PMC370564.

270: Dejana E, Prosdocimi M, de Gaetano G. Regulation of prostacyclin production by vascular cells in in vitro and in vivo experimental systems. *Wien Klin Wochenschr.* 1986 Apr 4;98(7):206-8. PubMed PMID: 3010579.

271: Prosdocimi M, Zatta A, Gorio A, Zanetti A, Dejana E. Action of AD6 (8-monochloro-3-beta-diethylaminoethyl-4-methyl-7-ethoxycarbonylmet hox y coumarin) on human platelets in vitro. *Naunyn Schmiedebergs Arch Pharmacol.* 1986 Mar;332(3):305-10. PubMed PMID: 3012375.

272: Balconi G, Dejana E. Cultivation of endothelial cells: limitations and perspectives. *Med Biol.* 1986;64(5):231-45. Review. PubMed PMID: 3543523.

273: Remuzzi A, Languino LR, Costantini V, Guardabasso V, de Gaetano G, Dejana E.
Platelet adhesion to subendothelium--effect of shear rate, hematocrit and

platelet count on the dynamic equilibrium between platelets adhering to and detaching from the surface. *Thromb Haemost.* 1985 Dec 17;54(4):857-61. PubMed PMID: 4089819.

274: Delaini F, Dejana E, Reyers I, Vicenzi E, De Bellis Vitti G, Poggi A, Donati MB. Platelet survival and function in rats with enhanced thrombotic tendency. *Thromb Haemost.* 1985 Dec 17;54(4):739-43. PubMed PMID: 3937273.

275: Dejana E, Costantini V, De Amicis G, Cerletti C, Lorenzi G, de Gaetano G. Differential salicylate-aspirin interaction on vascular prostacyclin and platelet thromboxane synthesis in patients undergoing saphenectomy. *Proc Soc Exp Biol Med.* 1985 Dec;180(3):533-7. PubMed PMID: 3841210.

276: de Gaetano G, Cerletti C, Dejana E, Latini R. Pharmacology of platelet inhibition in humans: implications of the salicylate-aspirin interaction. *Circulation.* 1985 Dec;72(6):1185-93. Review. PubMed PMID: 2998640.

277: Prosdocimi M, Finesso M, Tessari F, Gorio A, Languino LR, de Gaetano G, Dejana E. Inhibition by AD6 (8-monochloro-3-beta-diethylaminoethyl-4-methyl-7-ethoxycarbonyl methoxy coumarin) of platelet aggregation in dog stenosed coronary artery. *Thromb Res.* 1985 Aug 15;39(4):399-409. PubMed PMID: 3840290.

278: Rossi V, Breviario F, Ghezzi P, Dejana E, Mantovani A. Prostacyclin synthesis induced in vascular cells by interleukin-1. *Science.* 1985 Jul 12;229(4709):174-6. PubMed PMID: 2409598.

279: Cerletti C, Latini R, Del Maschio A, Galletti F, Dejana E, de Gaetano G. Aspirin kinetics and inhibition of platelet thromboxane generation-relevance for a solution of the "aspirin dilemma". *Thromb Haemost.* 1985 Jun 24;53(3):415-8. PubMed PMID: 4049312.

280: Vergara-Dauden M, Balconi G, Breviario F, Chiabrando C, de Gaetano G, Dejana

E. Further studies on the mechanism of action of human plasma in stimulating prostacyclin production by rat smooth muscle cells. *Thromb Haemost.* 1985 Jun 24;53(3):372-6. PubMed PMID: 3931285.

281: Cerletti C, Latini R, Dejana E, Tognoni G, Garattini S, de Gaetano G. Inhibition of human platelet thromboxane generation by aspirin in the absence of measurable drug levels in peripheral blood. *Biochem Pharmacol.* 1985 May 15;34(10):1839-41. PubMed PMID: 4004899.

282: Prosdocimi M, Finesso M, Gorio A, Languino LR, Del Maschio A, Castagnoli MN, De Gaetano G, Dejana E. Coronary and systemic 6-ketoprostaglandin F1 alpha and thromboxane B2 during myocardial ischemia in dog. *Am J Physiol.* 1985 Apr;248(4 Pt 2):H493-9. PubMed PMID: 3838623.

283: Dejana E, Remuzzi A, Languino LR, Costantini V, Lauri D, Zanetti A, de Gaetano G. Human platelet adhesion to subendothelium under controlled hemodynamic conditions: a methodological approach. *Methods Find Exp Clin Pharmacol.* 1985 Mar;7(3):153-9. PubMed PMID: 4010388.

284: Dejana E, Languino LR, Polentarutti N, Balconi G, Ryckewaert JJ, Larrieu MJ, Donati MB, Mantovani A, Marguerie G. Interaction between fibrinogen and cultured endothelial cells. Induction of migration and specific binding. *J Clin Invest.* 1985 Jan;75(1):11-8. PubMed PMID: 3965498; PubMed Central PMCID: PMC423387.

285: Verstraete M, Dejana E, Fuster V, Lapetina E, Moncada S, Mustard JF, Tans G, Vargaftig BB. An overview of antiplatelet and antithrombotic drugs. *Haemostasis.* 1985;15(2):89-99. Review. PubMed PMID: 3159632.

286: Prosdocimi M, Tessari F, Finesso M, Gorio A, Dejana E, Languino LR, Del Maschio A, de Gaetano G. Prostacyclin and thromboxane levels during cardiac

ischemia in dogs. Adv Prostaglandin Thromboxane Leukot Res. 1985;13:93-6.
PubMed
PMID: 3159235.

287: de Gaetano G, Cerletti C, Dejana E, Latini R, Villa S. The "aspirin dilemma": new points for discussion. Thromb Haemost. 1984 Dec 29;52(3):365.
PubMed PMID: 6531763.

288: Dejana E, Breviario F, Balconi G, Rossi V, Remuzzi G, de Gaetano G, Mantovani A. Stimulation of prostacyclin synthesis in vascular cells by mononuclear cell products. Blood. 1984 Dec;64(6):1280-3. PubMed PMID: 6388665.

289: Dejana E, Furlan M, Barbieri B, Donati MB, Beck EA. Interactions of purified rat factor VIII/von Willebrand factor with rat and human platelets--effect of albumin and ristocetin. Thromb Haemost. 1984 Aug 31;52(1):57-9. PubMed PMID: 6437011.

290: Cerletti C, Bonati M, del Maschio A, Galletti F, Dejana E, Tognoni G, de Gaetano G. Plasma levels of salicylate and aspirin in healthy volunteers: relevance to drug interaction on platelet function. J Lab Clin Med. 1984 Jun;103(6):869-77. PubMed PMID: 6726057.

291: Busacca M, Balconi G, Pietra A, Vergara-Dauden M, de Gaetano G, Dejana E. Maternal smoking and prostacyclin production by cultured endothelial cells from umbilical arteries. Am J Obstet Gynecol. 1984 Apr 15;148(8):1127-30. PubMed PMID: 6369991.

292: Dejana E, Vergara-Dauden M, Balconi G, Pietra A, Cherel G, Donati MB, Larrieu MJ, Marguerie G. Specific binding of human fibrinogen to cultured human fibroblasts. Evidence for the involvement of the E domain. Eur J Biochem. 1984 Mar 15;139(3):657-62. PubMed PMID: 6698031.

293: Balconi G, Pietra A, Busacca M, de Gaetano G, Dejana E. Success rate of

primary human endothelial cell culture from umbilical cords is influenced by maternal and fetal factors and interval from delivery. In Vitro. 1983 Nov;19(11):807-10. PubMed PMID: 6654377.

294: Dejana E, Cazenave JP, Hatton MW, Richardson M, Groves HM, Kinlough-Rathbone RL, Packham MA, Mustard JF. The effect of thrombin on platelet accumulation on the vessel wall - influence of heparin and aspirin. Thromb Haemost. 1983 Aug 30;50(2):567-71. PubMed PMID: 6356454.

295: Kinlough-Rathbone RL, Mustard JF, Perry DW, Dejana E, Cazenave JP, Packham MA, Harfenist EJ. Factors influencing the deaggregation of human and rabbit platelets. Thromb Haemost. 1983 Jun 28;49(3):162-7. PubMed PMID: 6308846.

296: Bertelé V, Falanga A, Tomasiak M, Dejana E, Cerletti C, de Gaetano G. Platelet thromboxane synthetase inhibitors with low doses of aspirin: possible resolution of the "aspirin dilemma". Science. 1983 Apr 29;220(4596):517-9. PubMed PMID: 6682245.

297: Dejana E, de Castellarnau C, Balconi G, Olivieri S, Pietra A, Barbieri B, de Gaetano G. Recovery of prostacyclin production by cultured bovine smooth muscle cells after aspirin inhibition: effect of serum replacement and concentration in culture medium. Biochem Pharmacol. 1983 Feb 15;32(4):710-3. PubMed PMID: 6338881.

298: Dejana E, Balconi G, De Castellarnau C, Barbieri B, Vergara-Dauden M, De Gaetano G. Prostacyclin production by human endothelial and bovine smooth muscle cells in culture. Effect of repeated stimulation with arachidonic acid, thrombin and ionophore A23187. Biochim Biophys Acta. 1983 Feb 7;750(2):261-7. PubMed PMID: 6407526.

299: Dejana E, Cerletti C, de Gaetano G. Interaction of salicylate and other

non-steroidal anti-inflammatory drugs with aspirin on platelet and vascular cyclo-oxygenase activity. *Thromb Res Suppl.* 1983;4:153-9. Review. PubMed PMID: 6415856.

300: Busacca M, Dejana E, Balconi G, Olivieri S, Pietra A, Vergara-Dauden M, de Gaetano G. Reduced prostacyclin production by cultured endothelial cells from umbilical arteries of babies born to women who smoke. *Lancet.* 1982 Sep 11;2(8298):609-10. PubMed PMID: 6125753.

301: Dejana E, de Castellarnau C, Balconi G, Rotilio D, Pietra A, de Gaetano G. AD 6, a coronary dilating agent, stimulates PGI₂ production in rat aorta ex vivo and in human endothelial cells in culture. *Pharmacol Res Commun.* 1982 Sep;14(8):719-24. PubMed PMID: 6755493.

302: Dejana E, Villa S, de Gaetano G. Bleeding time in rats: a comparison of different experimental conditions. *Thromb Haemost.* 1982 Aug 24;48(1):108-11. PubMed PMID: 6753230.

303: Groves HM, Kinlough-Rathbone RL, Cazenave JP, Dejana E, Richardson M, Mustard JF. Effect of dipyridamole and prostacyclin on rabbit platelet adherence in vitro and in vivo. *J Lab Clin Med.* 1982 Apr;99(4):548-58. PubMed PMID: 7038012.

304: Cerletti C, Livio M, de Castellarnau C, Dejana E, de Gaetano G. Salicylate interferes in vivo with aspirin-induced inhibition of platelet and vascular prostaglandin generation in rats. *Prostaglandins Leukot Med.* 1982 Mar;8(3):263-4. PubMed PMID: 6952291.

305: Barbieri B, Balconi G, Dejana E, Donati MB. Evidence that vascular endothelial cells can induce the retraction of fibrin clots. *Proc Soc Exp Biol Med.* 1981 Nov;168(2):204-7. PubMed PMID: 7348306.

306: Dejana E, Cerletti C, de Castellarnau C, Livio M, Galletti F, Latini R, de Gaetano G. Salicylate-aspirin interaction in the rat. Evidence that salicylate accumulating during aspirin administration may protect vascular prostacyclin from aspirin-induced inhibition. *J Clin Invest.* 1981 Oct;68(4):1108-12. PubMed PMID: 6793630; PubMed Central PMCID: PMC370901.

307: de Castellarnau C, Cerletti C, Dejana E, Galletti F, Latini R, Livio M, de Gaetano G. Salicylate-aspirin interaction and thrombosis prevention trials. *Thromb Haemost.* 1981 Jun 30;45(3):294. PubMed PMID: 7281108.

308: di Minno G, Bertelé V, Bianchi L, Barbieri B, Cerletti C, Dejana E, de Gaetano G, Silver MJ. Effects of any epoxymethano stable analogue of prostaglandin endoperoxides (U-46619) on human platelets. *Thromb Haemost.* 1981 Apr 30;45(2):103-6. PubMed PMID: 6266066.

309: Buchanan MR, Dejana E, Gent M, Mustard JF, Hirsch J. Enhanced platelet accumulation onto injured carotid arteries in rabbits after aspirin treatment. *J Clin Invest.* 1981 Feb;67(2):503-8. PubMed PMID: 7007438; PubMed Central PMCID: PMC370592.

310: Dejana E, Barbieri B, de Gaetano G. "Aspirinated" platelets are hemostatic in thrombocytopenic rats with "nonaspirinated" vessel walls--evidence from an exchange transfusion model. *Blood.* 1980 Dec;56(6):959-62. PubMed PMID: 7002233.

311: Buchanan MR, Dejana E, Cazenave JP, Richardson M, Mustard JF, Hirsh J. Differences in inhibition of PGI₂ production by aspirin in rabbit artery and vein segments. *Thromb Res.* 1980 Nov 15;20(4):447-60. PubMed PMID: 7010667.

312: Dejana E, Barbieri B, Cerletti C, Livio M, de Gaetano G. Impaired thromboxane production by newly formed platelets after aspirin administration to

thrombocytopenic rats. Br J Haematol. 1980 Nov;46(3):465-9. PubMed PMID: 7448129.

313: Hatton MW, Dejana E, Cazenave JP, Regoeczi E, Mustard JF. Heparin inhibits thrombin binding to rabbit thoracic aorta endothelium. J Lab Clin Med. 1980 Nov;96(5):861-70. PubMed PMID: 7419968.

314: Dejana E, Cazenave JP, Groves HM, Kinlough-Rathbone RL, Richardson M, Packham MA, Mustard JF. The effect of aspirin inhibition of PGI2 production on platelet adherence to normal and damaged rabbit aortae. Thromb Res. 1980 Feb 1-15;17(3-4):453-64. PubMed PMID: 6989013.

315: Buchanan MR, Blajchman MA, Dejana E, Mustard JF, Senyi AF, Hirsh J. Shortening of the bleeding time in thrombocytopenic rabbits after exposure of jugular vein to high aspirin concentration. Prostaglandins Med. 1979 Dec;3(6):333-42. PubMed PMID: 398994.

316: Dejana E, Quintana A, Callioni A, de Gaetano G. Bleeding time in laboratory animals. III - Do tail bleeding times in rats only measure a platelet defect? (the aspirin puzzle). Thromb Res. 1979;15(1-2):199-207. PubMed PMID: 483276.

317: Dejana E, Callioni A, Quintana A, de Gaetano G. Bleeding time in laboratory animals. II - A comparison of different assay conditions in rats. Thromb Res. 1979;15(1-2):191-7. PubMed PMID: 483275.

318: Buchanan MR, Dejana E, Cazenave JP, Mustard JF, Hirsh J. Uncontrolled PGI2 production by whole vessel wall segments due to thrombin generation in vivo and its prevention by heparin. Thromb Res. 1979;16(3-4):551-5. PubMed PMID: 390762.

319: Cazenave JP, Dejana E, Kinlough-Rathbone R, Packham MA, Mustard JF. Platelet interactions with the endothelium and the subendothelium: the role of thrombin

and prostacyclin. Haemostasis. 1979;8(3-5):183-92. PubMed PMID: 389756.

320: Cazenave JP, Dejana E, Kinlough-Rathbone RL, Richardson M, Packham MA, Mustard JF. Prostaglandins I2 and E1 reduce rabbit and human platelet adherence without inhibiting serotonin release from adherent platelets. Thromb Res. 1979;15(1-2):273-9. PubMed PMID: 384598.

321: Dejana E, Quintana A, Callioni A, de Gaetano G. Aspirin induces redistribution of cardiac out-put in the intact conscious rat. Prostaglandins. 1978 May;15(5):921-4. PubMed PMID: 704916.

322: Dejana E, Castelli MG, De Gaetano G, Bonaccorsi A. Contribution of platelets to the cardiovascular effects of ADP in the rat. Thromb Haemost. 1978 Feb 28;39(1):135-45. PubMed PMID: 580489.

323: Dejana E, Bonaccorsi A, de Gaetano G. Acetylsalicylic acid and the cardiovascular effects of ADP in the rat. Haemostasis. 1978;7(5):294-7. PubMed PMID: 689492.

324: Dejana E, de Gaetano G, Bonaccorsi A. Role of the lung in the development of cardiovascular modifications during ADP infusion in the rat. Thromb Res. 1978 Jan;12(1):47-57. PubMed PMID: 644559.

325: de Gaetano G, Donati MB, Bonaccorsi A, Franco R, Dejana E, Buczko W. Letter: Cyclic A.M.P. and arrhythmias. Lancet. 1976 Apr 17;1(7964):864. PubMed PMID: 56686.

326: Descovich GC, Bernardi P, Lenzi S, Rimondi S, Brunelli A, Casarini P, Bargossi A, Ceredi C, Dejana E. [Sympatho-adrenergic function in the course of congestive heart failure. II. Circadian rhythm of urinary excretion of norepinephrine and epinephrine]. Folia Endocrinol. 1972 Jun;25(3):219-29. Italian. PubMed PMID: 4677770.

327: Descovich GC, Bernardi P, Lenzi S, Rimondi S, Brunelli A, Casarini P,

Bargossi A, Ceredi C, Dejana E. [Sympatho-adrenergic function in the course of congestive heart failure. I. Changes of urinary excretion of epinephrine and norepinephrine]. Folia Endocrinol. 1972 Jun;25(3):189-218. Italian. PubMed PMID: 4677769.

328: Descovich GC, Bernardi P, Lenzi S, Rimondi S, Brunelli A, Casarini P, Bargossi A, Ceredi C, Montaguti U, Dejana E. [Sympatho-adrenergic function in congestive heart failure. II. Circadian rhythm in the urinary excretion of noradrenaline and adrenaline]. Boll Soc Ital Cardiol. 1972;17(10):903-12. Italian. PubMed PMID: 4681412.

329: Descovich GC, Bernardi P, Lenzi S, Rimondi S, Brunelli A, Casarini P, Bargossi A, Ceredi C, Montaguti U, Dejana E. [Sympatho-adrenergic function in congestive heart failure. I. Changes in urinary excretion of adrenaline and noradrenaline]. Boll Soc Ital Cardiol. 1972;17(10):886-902. Italian. PubMed PMID: 4681411.