

## Endocan / Other Publications

### Publications in 2012

**Depontieu F, Caires ND, Gourcerol D, Giordano J, Grigoriu B, Delehedde M and Lassalle P (2012)** *Development of monoclonal antibodies and ELISA specific for the mouse vascular endocan.* J. Immunol. Methods. 378(1-2):88-94 ([Pubmed](#))

**Li S, Wang L, Wang C, Wang Q, Yang H, Liang P and Jin F (2012)** *Detection on Dynamic Changes of Endothelial Cell Specific Molecule-1 in Acute Rejection After Renal Transplantation.* Urology. In Press. ([Pubmed](#))

**Talbot NC, Sparks WO, Powell AM, Kahl S and Caperna TJ (2012)** *Quantitative and semiquantitative immunoassay of growth factors and cytokines in the conditioned medium of STO and CF-1 mouse feeder cells.* In Vitro Cell Dev. Biol. Anim. 48(1):1-11 ([Pubmed](#))

### Publications in 2011

**Mura M, Granton J, Singer L, Keshavjee S and De Perrot M (2011)** *Gene expression profiles distinguish usual interstitial pneumonia from interstitial non-specific pneumonia.* Can Resp J Vol 18A p5A

**Sekizawa N, Yoshimoto T, Hayakawa E, Suzuki N, Sugiyama T and Hirata Y (2011)** *Transcriptome analysis of aldosterone-regulated genes in human vascular endothelial cell lines stably expressing mineralocorticoid receptor.* Mol.Cell.Endocrinol. 341(1-2):78-88 ([Pubmed](#))

### Publications in 2010

**Recchia FM, Xu L, Penn JS, Boone B and Dexheimer PJ (2010)** *Identification of genes and pathways involved in retinal neovascularization by microarray analysis of two animal models of retinal angiogenesis.* Invest. Ophthalmol. Vis. Sci. (2):1098-1105 ([Pubmed](#))

**Sarrazin S, Lyon M, Deakin JA, Guerrini M, Lassalle P, Delehedde M and Lortat-Jacob H (2010)** *Characterization and binding activity of the chondroitin/dermatan sulfate chain from Endocan, a soluble endothelial proteoglycan.* Glycobiol. 20(11):1380-1388 ([Pubmed](#))

**Strasser GA, Kaminker JS and Tessier-Lavigne M (2010)** *Microarray analysis of retinal endothelial tip cells identifies CXCR4 as a mediator of tip cell morphology and branching.* Blood. 115(24):5102-5110 ([Pubmed](#))

### Publications in 2009

**Burton DG, Giles PJ, Sheerin AN, Smith SK, Lawton JJ, Ostler EL, Rhys-Williams W, Kipling D and Faragher RG (2009)** *Microarray analysis of senescent vascular smooth muscle cells: a link to atherosclerosis and vascular calcification.* Exp. Gerontol. 44(10):659-65 ([Pubmed](#))

Luna C, LiG, Liton PB, Epstein DL and Gonzalez P (2009) *Alterations in gene expression induced by cyclic mechanical stress in trabecular meshwork cells*. Mol.Vis. 15:534-44 ([Pubmed](#))

## **Publications in 2008**

Adam E, Sarrazin S, Landolfi C, Motte V, Lortat-Jacob H, Lassalle P and Delehedde M (2008) *Efficient long-term and high-yielded production of a recombinant proteoglycan in eukaryotic HEK293 cells using a membrane-based bioreactor*. Biochem. Biophys. Res. Commun. 369(2):297-302 ([Pubmed](#))

Aydin S, Signorelli S, Lechleitner T, Joannidis M, Pleban C, Perco P, Pfaller W and Jennings P (2008) *Influence of microvascular endothelial cells on transcriptional regulation of proximal tubular epithelial cells*. Am. J. Physiol. Cell Physiol. 294(2):C543-54 ([Pubmed](#))

Papanicolaou KN, Izumiya Y and Walsh K (2008) *Forkhead transcription factors and cardiovascular biology*. Circ. Res. 102(1):16-31 ([Pubmed](#))

Zhou L, Wang H, Zhong X, Jin Y, Mi QS, Sharma A, McIndoe RA, Garge N, Podolsky R and She JX (2008) *The IL-10 and IFN-gamma pathways are essential to the potent immunosuppressive activity of cultured CD8+ NKT-like cells*. Genome Biol. 9(7):R119 ([Pubmed](#))

## **Publications in 2007**

Huber A, Hudelist G, Knöfler M, Saleh L, Huber JC and Singer CF (2007) *Effect of highly purified human chorionic gonadotropin preparations on the gene expression signature of stromal cells derived from endometriotic lesions: potential mechanisms for the therapeutic effect of human chorionic gonadotropin in vivo*. Fertil. Steril. 88(4):1232-1239 ([Pubmed](#))

## **Publications in 2006**

Cong R, Jiang X, Wilson CM, Hunter MP, Vasavada H and Bogue CW (2006) *Hhex is a direct repressor of endothelial cell-specific molecule 1 (ESM-1)*. Biochem. Biophys. Res. Commun. 346(2):535-545 ([Pubmed](#))

Daly C, Pasnikowski E, Burova E, Wong V, Aldrich TH, Griffiths J, Ioffe E, Daly TJ, Fandl JP, Papadopoulos N, McDonald DM, Thurston G, Yancopoulos GD and Rudge JS (2006) *Angiopoietin-2 functions as an autocrine protective factor in stressed endothelial cells*. Proc. Natl. Acad. Sci. 103(42):15491-6 ([Pubmed](#))

Delehedde M, Sarrazin S, Adam E, Motte V and Vanpouille C (2006) *Proteoglycans and glycosaminoglycans: Complex molecules with modulating activity*. In: *New Developments in Therapeutic Glycomics*. Delehedde & Lortat-Jacob, eds. Kerala: Research Signpos. p 1-13 ([Pubmed](#))

Deng DX, Spin JM, Tsalenko A, Vailaya A, Ben-Dor A, Yakhini Z, Tsao P, Bruhn L and Quertermous T (2006) *Molecular signatures determining coronary artery and saphenous vein smooth muscle cell phenotypes: distinct responses to stimuli*. Arterioscler. Thromb. Vasc. Biol. 26(5):1058-1065 ([Pubmed](#))

Janke J, Engeli S, Gorzelniak K, Feldpausch M, Heintze U, Bohnke J, Wellner M, Herse F, Lassalle P, Luft FC and Sharma AM (2006) *Adipose tissue and circulating endothelial cell specific molecule-1 in human obesity*. Horm. Metab. Res. 38(1):28-33 ([Pubmed](#))

Lassalle P, Adam E, Sarrazin S, Deponthieu F, Motte V, Lequien S, Grigoriu B, De Freitas-Caires N, Vanpouille C and Delehedde M (2006) *Proteoglycans and glycosaminoglycans : key players in inflammation*. *New Developments in Therapeutic Glycomics*. 15-31 ([Pubmed](#))

**Li Z, Sumei Z and Lijia B (2006)** *The study of the human endothelial cell specific molecule-1 expression in MEK transfected endothelial cells.* Act. Univ. Med. 41(1) 26-28 ([CNKI](#))

**Shen R, Ghosh D, Chinnaiyan A and Meng Z (2006)** *Eigengene-based linear discriminant model for tumor classification using gene expression microarray data.* Bioinformatics. 22(21):2635-42 ([Pubmed](#))

**Tschernatsch MM, Mlecnik B, Trajanoski Z, Zechner R and Zimmermann R (2006)** *LPL-mediated lipolysis of VLDL induces an upregulation of AU-rich mRNAs and an inactivation of HuR in endothelial cells.* Atherosclerosis. 189(2):310-317 ([Pubmed](#))

## ***Publications in 2005***

**Delehedde M, Lortat-Jacob H, Gallagher JT, Bonnaffe D, Adam E, Querolle O, Lequien S, Degove S, Lassalle P and Bechard D (2005)** *Proteoglycan involvement in inflammatory diseases. New developments in GAG-based therapies.* Med. Chem. Reviews. 2:345-357 ([Ingentaconnect](#))

**Kirwan RP, Leonard MO, Murphy M, Clark AF and O'Brien CJ (2005)** *Transforming growth factor-beta-regulated gene transcription and protein expression in human GFAP-negative lamina cribrosa cells.* Glia. 52(4):309-24 ([Pubmed](#))

**Sancho-Bru P, Bataller R, Gasull X, Colmenero J, Khurdayan V, Gual A, Nicolas JM, Arroyo V and Gines P (2005)** *Genomic and functional characterization of stellate cells isolated from human cirrhotic livers.* J. Hepatol. 43(2):272-282 ([Pubmed](#))

**Sengoelge G, Luo W, Fine D, Perschl AM, Fierlbeck W, Haririan A, Sorensson J, Rehman TU, Hauser P, Trevick JS, Kulak SC, Wegner B and Ballermann BJ (2005)** *A SAGE-based comparison between glomerular and aortic endothelial cells.* Am. J. Physiol. Renal. Physiol. 288(6):F1290-300. ([Pubmed](#))

## ***Publications in 2004***

**Renzone EA, Abraham DJ, Howat S, Shi-Wen X, Sestini P, Bou-Gharios G, Wells AU, Veeraraghavan S, Nicholson AG, Denton CP, Leask A, Pearson JD, Black CM, Welsh KI and du Bois RM (2004)** *Gene expression profiling reveals novel TGFbeta targets in adult lung fibroblasts.* Respir. Res. 30(5):24 ([Pubmed](#))

**Tissier S, Lancel S, Marechal X, Mordon S, Depontieu F, Scherpereel A, Chopin C and Neviere R (2004)** *Calpain inhibitors improve myocardial dysfunction and inflammation induced by endotoxin in rats.* Shock. 21(4):352-357 ([Pubmed](#))

## ***Publications in 2003***

**Duoe D, Paprocka M and Kieda C (2003)** *Endothelial adhesion molecules contribution to leukocyte recruitment into inflamed tissues.* Central. Eur. J. Immunol. 28(1): 23-28 ([Termedia](#))

**Gerritsen ME, Tomlinson JE, Zlot C, Ziman M and Hwang S (2003)** *Using gene expression profiling to identify the molecular basis of the synergistic actions of hepatocyte growth factor and vascular endothelial growth factor in human endothelial cells.* Br. J. Pharmacol. 140(4):595-610 ([Pubmed](#))

**Ho M, Yang E, Matcuk G, Deng D, Sampas N, Tsalenko A, Tabibiazar R, Zhang Y, Chen M, Talbi S, Ho YD, Wang J, Tsao PS, Ben-Dor A, Yakhini Z, Bruhn L, and Quertermous T (2003)** *Identification of endothelial cell genes by combined database mining and microarray analysis.* *Physiol. Genomics.* 13(3):249-62 ([Pubmed](#))

**Jones JO and Arvin AM (2003)** Microarray analysis of host cell gene transcription in response to varicella-zoster virus infection of human T cells and fibroblasts in vitro and SCIDhu skin xenografts in vivo. *J. Virol.* 77(2):1268-80. ([Pubmed](#))

**Wellner M, Herse F, Janke J, Gorzelniak K, Engeli S, Bechard D, Lassalle P, Luft FC and Sharma AM (2003)** *Endothelial cell specific molecule-1-a newly identified protein in adipocytes.* *Horm. Metab. Res.* 35(4):217-221 ([Pubmed](#))

## **Publications in 2002**

**Delehedde M, Allain F, Payne SJ, Borgo R, Vanpouille C, Fernig DG and Deudon E (2002)** *Proteoglycansin inflammation.* *Curr. Med. Chem.* 1:89-102 ([Ingentaconnect](#))

**Rojtinnakorn J, Hirono I, Itami T, Takahashi Y and Aoki T (2002)** *Gene expression in haemocytes of kuruma prawn, Penaeus japonicus, in response to infection with WSSV by EST approach.* *Fish. Shellfish. Immunol.* 13(1):69-83. ([Pubmed](#))

**Trowbridge JM and Gallo RL (2002)** *Dermatan sulfate: new functions from an oldglycosaminoglycan,* *Glycobiol.* 12(9)117-125 ([Pubmed](#))

**Tsai JC, Zhang J, Minami T, Volland C, Zhao S, Yi X, Lassalle P, Oettgen P and Aird WC (2002)** *Cloning and characterization of the human lung endothelial-cell-specific molecule-1 promoter.* *J. Vasc. Res.* 39(2):148-159 ([Pubmed](#))

**Zhang S, Wang X, and Hu R (2002)** *Construction of pET-28b human endothelial cell-specific molecule-1 and its expression in E. Coli BL-21.* *Actu. Univ. Med.* 37(6): 415-418 ([Pubmed](#))

## **Publication in 2001**

**Bechard D, Gentina T, Delehedde M, Scherpereel A, Lyon M, Aumercier M, Vazeux R, Richet C, Degand P, Jude B, Janin A, Fernig DG, Tonnel AB and Lassalle P (2001)** *Endocan is a novel chondroitin sulfate/dermatan sulfate proteoglycan that promotes hepatocyte growth factor/scatter factor mitogenic activity.* *J. Biol. Chem.* 276(51):48341-48349 ([Pubmed](#))

**Bechard D, Scherpereel A, Hammad H, Gentina T, Tsiopoulos A, Aumercier M, Pestel J, Dessaint JP, Tonnel AB and Lassalle P (2001)** *Human endothelial-cell specific molecule-1 binds directly to the integrin CD11a/CD18 (LFA-1) and blocks binding to intercellular adhesion molecule-1.* *J. Immunol.* 167(6):3099-3106 ([Pubmed](#))

## **Publication in 2000**

**Bechard D, Meignin V, Scherpereel A, Oudin S, Kervoaze G, Bertheau P, Janin A, Tonnel A and Lassalle P (2000)** *Characterization of the secreted form of endothelial-cell-specific molecule 1 by specific monoclonal antibodies.* *J. Vasc. Res.* 37(5):417-425 ([Pubmed](#))

## ***Publication in 1999***

**Hwa V, Oh Y and Rosenfeld RG (1999)** *The insulin-like growth factor-binding protein (IGFBP) superfamily.* *Endocr. Rev.* 20(6):761-87 ([Pubmed](#))

**Hwa V, Oh Y, Burren P, Choi WK, Graham D, Ingermann A,**

## ***Publication in 1997***

**Wang X, Brownstein MJ and Young WS (1997)** *PG25, a pineal-specific cDNA, cloned by differential display PCR (DDPCR) and rapid amplification of cDNA ends (RACE).* *J. Neurosci. Methods.* 73(2):187-91 ([Pubmed](#))

## ***Publication in 1996***

**Lassalle P, Molet S, Janin A, Heyden JV, Tavernier J, Fiers W, Devos R and Tonnel AB (1996)** *ESM-1 is a novel human endothelial cell-specific molecule expressed in lung and regulated by cytokines.* *J. Biol. Chem.* 271:20458-20464 ([Pubmed](#))