# List of publications (2006-2011)

Full list of publications comprises 40 original papers, 16 reviews, 2 editorials and 9 book chapters and can be found on http://pathology.unige.ch/group-kwak.html

**Original publications** (* authors contributed equally to the study)

1 A. Angelillo-Scherrer*, P. Fontana*, L. Burnier*, I. Roth, R. Sugamele, A. Brisset, S. Morel, S. Nolli, E. Sutter, A. Chassot, C. Capron, D. Borgel, F. Saller, M. Chanson, B.R. Kwak* (2011). Connexin37 limits thrombus prospensity by downregulating platelet reactivity. ***Circulation*** 124:930-939

2 S. Morel, L. Burnier, A. Roatti, A. Chassot, I. Roth, E. Sutter, K. Galan, A. Pfenniger, M. Chanson, B.R. Kwak (2010). Unexpected role for the human Cx37 C1019T polymorphism in tumour cell proliferation. ***Carcinogenesis*** 31:1922-1931

3 A. Pfenniger, J.P. Derouette, V. Verma, I. Roth, B. Foglia, W. Coombs, P. Sorgen, S. Taffet, B.R. Kwak*, M. Delmar* (2010). The gap junction protein Cx37 interacts with eNOS in endothelial cells. ***Arterioscl. Thromb. Vasc. Biol.*** 30:827-834

4 C.E. Chadjichristos, K.E.L. Scheckenbach, T.A.B. Van Veen, M.Z. Richani Sarieddine, C. de Wit, Z. Yang, I. Roth, M. Bachetta, H. Viswambharan, B. Foglia, T. Dudez, M.J.A. Van Kempen, F.E.J. Coenjaerts, L. Miquerol, U. Deutsch, H.J. Jongsma, M. Chanson*, B.R. Kwak* (2010). Endothelial-specific deletion of Cx40 promotes atherosclerosis by increasing CD73-dependent leukocyte adhesion. ***Circulation*** 121:123-131

5 J.P. Derouette, C. Wong, L. Burnier, S. Morel, E. Sutter, K. Galan, A.C. Brisset, I. Roth, C.E. Chadjichristos, B.R. Kwak (2009). Molecular role of Cx37 in advanced atherosclerosis: a micro-array study. ***Atherosclerosis*** 206:69-76

6 M.Z. Richani Sarieddine, K.E.L. Schreckenbach, B. Foglia, K. Maass, I. Garcia, B.R. Kwak, M. Chanson (2009). Connexin43 modulates neutrophil recruitment to the lung. ***J. Cell. Mol. Med.*** 13:4560-3570

7 J.P. Derouette, T. Desplantez, C.W. Wong, I. Roth, B.R. Kwak*, R. Weingart* (2009). Functional differences between human connexin37 polymorphic hemichannels. ***J. Mol. Cell. Cardiol.*** 46:499-507

8 C.E. Chadjichristos, S. Morel, J.P. Derouette, E. Sutter, A.C. Brisset, M.L. Bochaton-Piallat, B.R. Kwak (2008). Targeting Cx43 prevents PDGF-BB-induced phenotypic change in porcine coronary artery smooth muscle cells. ***Circ. Res.*** 102:653-660

9 T. Dudez, F Borot, S. Huang, B.R. Kwak, M. Bacchetta, M. Ollero, B.A. Stanton, M. Chanson (2008). CFTR in a lipid raft-TNFR1 complex modulates gap junctional intercellular communication and IL-8 secretion. ***BBA – Molecular Cell Research*** 1783:779-788

10 S. Dunoyer-Geindre, B.R. Kwak, G. Pelli, I. Roth, N. Satta, R.J. Fish, G. Reber, F. Mach, E.K.O. Kruithof, P. de Moerloose (2007). Immunization of LDL receptor-deficient mice with β2-glycoprotein I or human serum albumin induces a more inflammatory phenotype in atherosclerotic plaques. ***Thromb. Haemost.*** 97:129-138

11 C.W. Wong, T. Christen, A. Pfenniger, R.W. James, B.R. Kwak (2007). Do allelic variants of the connexin37 1019 gene polymorphism differentially predict for coronary artery disease and myocardial infarction? ***Atherosclerosis*** 191:355-361

12 C.W. Wong, T. Christen, I. Roth, C.E. Chadjichristos, J.P. Derouette, B.F. Foglia, M. Chanson, D.A. Goodenough, B.R. Kwak (2006). Connexin37 protects against atherosclerosis by regulating monocyte adhesion. ***Nature Med.*** 8:950-954

13 C.E. Chadjichristos, C.M. Matter, I. Roth, E. Sutter, G. Pelli, T.F. Lüscher, M. Chanson, B.R. Kwak (2006). Reduced connexin43 expression limits neointima formation after balloon distension injury in hypercholesterolemic mice. ***Circulation*** 113:2835-2843

14 C.M. Matter, C.E. Chadjichristos, P. Meier, T. von Lukowicz, C. Lohmann, P.K. Schuler, D. Zhang, B. Odermatt, E. Hofmann, T. Brunner, B.R. Kwak, T.F. Lüscher (2006). Role of

endogenous Fas (CD95/Apo-1) ligand in balloon-induced apoptosis, inflammation and neointima formation. ***Circulation*** 113:1879-1887

15 J.L. Frossard, P. Morel, B. Kwak, C. Pastor, T. Berney, L. Buhler, A.V. Laufen, S. Demulder, F. Mach (2006). Soluble CD40 ligand in prediction of acute severe pancreatitis. ***World J Gastroenterol.*** 12:1613-1616

**Reviews**

1 S. Yla-Hettuala, J.F. Bentzon, M. Daemen, E. Falk, H.M. Garcia-Garcia, J. Herrmann, I. Hoefer, J.W. Jukema, R. Krams, B.R. Kwak, N. Marx, M. Naruszewicz, A. Newby, G. Pasterkamp, P.W.J.C. Serruys, J. Waltenberger, C. Weber, L. Tokgozoglu (2011). ESC position paper Working Group of Atherosclerosis and Vascular Biology: Stabilisation of atherosclerotic plaques. ***Thombosis & Haemostasis*** 106:1-19

2 A. Pfenniger, A. Wohlwend, B.R. Kwak (2011). Mutations in connexion genes and disease. ***European Journal of Clinical Investigation*** 41:103-116

3 S. Morel, B.R. Kwak (2011). Roles of connexins in atherosclerosis and ischemia-reperfusion injury. ***Current Pharmaceutical Biotechnology*** in press

4 L. Scheckenbach, S. Crespin, B.R. Kwak, M. Chanson (2011). Connexin channel dependent signalling pathways in inflammation. ***J. Vasc. Res.*** 48:91-103

5 S. Morel, L. Burnier, B.R. Kwak (2009). Connexins participate in the initiation and progression of atherosclerosis. ***Seminars in Immunopathology*** 31:49-61

6 L. Burnier, P. Fontana, A. Angelillo-Scherrer, B.R. Kwak (2009). Intercellular communication in atherosclerosis. ***Physiology*** 24:36-44

7 L. Burnier, P. Fontana, B.R. Kwak, A. Angelillo-Scherrer (2009). Cell-derived microparticles in hemostasis and vascular medicine. ***Thrombosis and Haemostasis*** 101:439-451

8 A.C. Brisset, B.E. Isakson, B.R. Kwak (2009). Connexins in vascular physiology and pathology. ***Antioxidants & Redox signaling*** 11:267-282

9 S. Carballo, A. Pfenniger, D. Carballo, A. Perrier, F. Mach, B.R. Kwak (2008). Emerging roles for connexins in hypertension. ***Current Hypertension Reviews*** 4:177-182

10 C.E. Chadjichristos, B.R. Kwak (2007). Connexins: New genes in atherosclerosis. ***Annals of Medicine*** 39:402-411

11 M. Chanson, B.R. Kwak (2007). Connexin37: a potential modifier gene of inflammatory disease. ***J. Mol. Med***. 85:787-795

**Bookchapters**

1 A. Pfenniger, I. Roth, B.R. Kwak. The role of connexins in atherosclerosis. *In:* **Connexins: A Guide.** A. Harris and D. Locke, editors. Humana Press Inc. pp. 469-480, 2009

2 C.E. Chadjichristos, J.P. Derouette, B.R. Kwak. Connexins in atherosclerosis. *In:* **Cardiovascular Gap Junctions**. Series: **Advances in Cardiology**. S. Dhein, editor. Karger Press. pp. 255-267, 2006

3 C.W.Y. Wong, B.R. Kwak. Statins target connexins. *In:* **Focus on Statin Research**. B.A. Wong, editor. Nova Science Publishers. pp. 175-194, 2006