

# *BioPAL References*



Selected Papers

## Blood flow/Microsphere Studies

### SWINE

#### **Intravenous infusion of mesenchymal stem cells enhances regional perfusion and improves ventricular function in a porcine model of myocardial infarction.**

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Cardiothoracic Research Laboratory, Division of Cardiothoracic Surgery, Emory Crawford Long Hospital, 550 Peachtree Strret, NE, Atlanta, GA, 30308, USA.

#### **Comparison of Transendocardial and retrograde coronary venous intramyocardial catheter delivery systems in healthy and infarcted pigs.**

Catheter Cardiovasc Interv. 2006 Sep;68(3):416-23.

Baklanov DV, Moodie KM, McCarthy FE, Mandrusov E, Chiu J, Aswonge G, Cheng J, Chow M, Simons M, de Muinck ED.

Angiogenesis Research Center, Dartmouth Medical School, Hanover, NH, USA.

#### **Hypercholesterolemia impairs the myocardial angiogenic response in a swine model of chronic ischemia: role of endostatin and oxidative stress.**

Ann Thorac Surg. 2006 Feb;81(2):634-41.

Boodhwani M, Nakai Y, Mieno S, Voisine P, Bianchi C, Araujo EG, Feng J, Michael K, Li J, Sellke FW.

Division of Cardiothoracic Surgery, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts, USA.

#### **Contrast-enhanced multidetector computed tomography viability imaging after myocardial infarction: characterization of myocyte death, microvascular obstruction, and chronic scar.**

Circulation. 2006 Jan 24;113(3):394-404.

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Division of Cardiology, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD 21205, USA. al@jhmi.edu

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Division of Cardiovascular Medicine, Stanford University, Palo Alto, CA, USA.

**The efficacy of a 'master switch gene' HIF-1alpha in a porcine model of chronic myocardial ischaemia.**

Eur Heart J. 2005 Jul;26(13):1327-32. Epub 2005 Apr 8.

Heinl-Green A, Radke PW, Munkonge FM, Frass O, Zhu J, Vincent K, Geddes DM, Alton EW.

Department of Gene Therapy, Faculty of Medicine, The National Heart and Lung Institute, Imperial College London, Manresa Road, London SW3 6LR, UK.

a.heinl-green@ic.ac.uk

**Effects of intramyocardial pVEGF165 delivery on regional myocardial blood flow: evidence for a spatial 'delivery-efficacy' mismatch.**

Gene Ther. 2004 Aug;11(16):1249-55.

Radke PW, Heinl-Green A, Frass OM, Griesenbach U, Ferrari S, Geddes DM, Alton EW.

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**Inhibition of the cardiac angiogenic response to exogenous vascular endothelial growth factor.**

Surgery. 2004 Aug;136(2):407-15.

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**Inhibition of the cardiac angiogenic response to surgical FGF-2 therapy in a Swine endothelial dysfunction model.**

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**Endogenous myocardial angiogenesis and revascularization using a gastric submucosal patch.**

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flow/function and metabolic mechanisms.**

Circ Res. 2003 Jun 13;92(11):1233-9. Epub 2003 May 15.

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07101-1709, USA. kimso@umdnj.edu

**Significant improvement of heart function by cotransplantation of  
human mesenchymal stem cells and fetal cardiomyocytes in  
postinfarcted pigs.**

Ann Thorac Surg. 2002 Nov;74(5):1568-75.

Comment in: Ann Thorac Surg. 2004 Mar;77(3):1133; author reply 1133-4.

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69198-1165, USA.

CANINE

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J Biomed Mater Res A. 2008 Mar 11. [Epub ahead of print]

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Department of Bioengineering, University of Washington, Seattle, Washington  
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RABBIT

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**Angiogenic signal triggered by ischemic stress induces myocardial repair in rat during chronic infarction.**

J Mol Cell Cardiol. 2004 Apr;36(4):547-59.

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Molecular Cardiology Laboratory, University of Connecticut Medical School, Farmington, Connecticut 06030, USA.

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Circulation. 2004 Aug 17;110(7):796-802. Epub 2004 Aug 9.

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Department of Anatomy and Cell Biology, University of Iowa Carver College of Medicine, Iowa City, IA 52242, USA.

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Am J Physiol Gastrointest Liver Physiol. 2003 Aug;285(2):G414-23. Epub 2003 Apr 9.

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Section on Pharmacology, National Institute of Mental Health, National Institute of Health, Department of Health and Human Services, Bethesda, MD 20892, USA. BregonzC@intra.nimh.nih.gov

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Circulation. 2001 Sep 18;104(12 Suppl 1):I218-22.

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Division of Cardiovascular Surgery, Toronto General Hospital, University Health Network, Department of Surgery, University of Toronto, Toronto, Ontario, Canada. terry.yau@utoronto.ca

MOUSE

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Am J Physiol Gastrointest Liver Physiol. 2004 Jul;287(1):G80-7. Epub 2004 Feb 12.

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EQUINE

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Department of Veterinary Biosciences, College of Veterinary Medicine, University of Illinois at Urbana-Champaign, Urbana, IL 61802, USA.  
mmanohar@uiuc.edu

PRIMATE

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Coron Artery Dis. 2005 Aug;16(5):301-8.

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VALIDATION STUDIES

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J Thromb Thrombolysis. 2005 Jun; 19(3):201-8.

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**Cell Tracking**

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J Pharmacol Toxicol Methods. 2006 Feb 1; [Epub ahead of print]

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## Injection Monitoring Technology

### **Method to quantify tail vein injection technique in small animals.**

Contemp Top Lab Anim Sci. 2004 Jan;43(1):35-8.

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## MRI Technology

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Pharmaceutical Research 2007.

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