

## 2015 Publications (As of January 22)

### Bovine Insulin

- Curran, C., E. Carrillo, S. Ponik, and P. Keely. 2015. Collagen density regulates xenobiotic and hypoxic response of mammary epithelial cells. *Environmental Toxicology and Pharmacology*, 39:114-124.

### Human Dermal Fibroblasts: HDF

- Rutz, A., K. Hyland, A. Jakus, W. Burghardt, and R. Shah. 2015. A Multimaterial Bioink Method for 3D Printing Tunable, Cell-Compatible Hydrogels. *Advanced Materials*, Early View, Online ISSN: 1521-4095.
- Hozumi, K., C. Fujimori, F. Katagiri, Y. Kikkawa, M. Nomizu. 2015. Suppression of cell adhesion through specific integrin crosstalk on mixed peptide-polysaccharide matrices. *Biomaterials*, 37:73-81.

### Human Cardiac Fibroblasts: HCF

- Tomita, K., M. Takashina, N. Mizuno, K. Sakata, K. Hattori, J. Imura, W. Ohashi, and Y. Hattori. 2015. Cardiac fibroblasts: contributory role in septic cardiac dysfunction. *Journal of Surgical Research*, 193:874–887.

### Human Endothelial Cells: EC

- Berg, E., M. Polokoff, A. O'Mahony, D. Nguyen, and X Li. 2015. Elucidating Mechanisms of Toxicity Using Phenotypic Data from Primary Human Cell Systems—A Chemical Biology Approach for Thrombosis-Related Side Effects. *International Journal of Molecular Sciences*, 16:1008-1029.

### **Human Epidermal Keratinocytes: HEK**

- Jie, L., R.Huang, W. Sun, S. Wei, Y. Chu, Q. Huang, and H. Du. 2015. Role of cysteine-rich angiogenic inducer 61 in fibroblast-like synovial cell proliferation and invasion in rheumatoid arthritis. *Molecular Medicine Reports*, 11:917-923.
- Hsiao, Y., W. Lai, S. Wu, C. Tsai, S. Tang, J. Chung, and J. Yang. 2015. Triggering Apoptotic Death of Human Epidermal Keratinocytes by Malic Acid: Involvement of Endoplasmic Reticulum Stress- and Mitochondria-Dependent Signaling Pathways. *Toxins*, 7:81-96.

### **Human Pulmonary Microvascular Endothelial Cells: HPMVEC**

- Li, C., C. Gonsalves, M. Eiyimo Mwa Mpollo, P. Malik, S. Tahara, and V. Kalra. 2015. MicroRNA 648 Targets ET-1 mRNA and Is Cotranscriptionally Regulated with MICAL3 by PAX5. *Molecular and Cellular Biology*, 35:514-528.

### **Human Umbilical Artery Endothelial Cells: HUAEC**

- Bowers, S., Meng, C., Davis, M., and Davis, G. 2015. Investigating Human Vascular Tube Morphogenesis and Maturation Using Endothelial Cell-Pericyte Co-cultures and a Doxycycline-Inducible Genetic System in 3D Extracellular Matrices. *Methods in Molecular Biology*, 1189:171-189.

### **Human Umbilical Vein Endothelial Cells: HUVEC**

- Kim, K., Y. Lee, H. Ji, R. Song, J. Kim, S. Lee, S. Hong, M. Yoo, and H. Yang. 2015. Increased expression of endocan in arthritic synovial tissues: Effects of adiponectin on the expression of endocan in fibroblast-like synoviocytes. *Molecular Medicine Reports*, 11:2695-2702.
- Klingberg, H., L. Oddershede, K. Loeschner, E. Larsen, S. Lofta, and Møller. 2015. Uptake of gold nanoparticles in primary human endothelial cells. *Toxicology Research*, Advance Article, DOI: 10.1039/C4TX00061G.

**Human Fibroblast-Like Synoviocytes: HFLS and Human Fibroblast-Like Synoviocytes-Rheumatoid Arthritis: HFLS-RA**

- Jie, L., R.Huang, W. Sun, S. Wei, Y. Chu, Q. Huang, and H. Du. 2015. Role of cysteine-rich angiogenic inducer 61 in fibroblast-like synovial cell proliferation and invasion in rheumatoid arthritis. *Molecular Medicine Reports*, 11:917-923.

**Rat Aortic Endothelial Cells: RAOEC**

- Ding, Q., Y. Hussain, J. Chorazyczewski, R. Gros, and R. Feldman. 2015. GPER-independent effects of estrogen in rat aortic vascular endothelial cells. *Molecular and Cellular Endocrinology*, 399:60-68.

**Rat Brain Microvascular Endothelial Cells: RBMVEC**

- Sitaras, N., J. Rivera, B. Noueihed, M. Bien-Aime, K. Zaniolo, S. Omri, D. Hamel, T. Zhu, P. Hardy, P. Sapieha, J. Joyal, and S. Chemtob. 2015. Retinal Neurons Curb Inflammation and Enhance Revascularization in Ischemic Retinopathies via Proteinase-Activated Receptor-2. *The American Journal of Pathology*, 185:581-595.

**Rat Marrow Stromal Cells: RMSC**

- Gershlak, J. and L. Black. 2015. Beta 1 integrin binding plays a role in the constant traction force generation in response to varying stiffness for cells grown on mature cardiac extracellular matrix. *Experimental Cell Research*, 330:311-324.