Stanford

Paul Pang

Postdoctoral Research Fellow, Cardiovascular Institute

Bio

BIO

Dr. Paul Pang is a postdoctoral fellow at the Stanford Cardiovascular Institute with research interests in disease modeling, drug discovery, and precision medicine through the use of embryonic and induced pluripotent stem cells. Dr. Pang received his PhD from Baylor College of Medicine (2019) where he studied the alternative splicing of SCN5A in the heart and the effects of its misregulation in myotonic dystrophy. During his PhD training, he was a recipient of the NIH T32 and F31 NRSA Predoctoral Fellowships, Claude W. Smith Fellowship Award, and Dean's Award of Excellence among numerous presentation and travel awards from the Muscular Dystrophy Association and the American Heart Association. During his postdoctoral training, Dr. Pang has been awarded and funded by the NIH T32 and F32 NRSA Postdoctoral Fellowships.

HONORS AND AWARDS

- NIH NRSA F32 Postdoctoral Fellowship, National Institutes of Health/NHLBI (2020)
- NIH NRSA T32 Postdoctoral Training Grant, National Institutes of Health/NHLBI, Stanford University (2019)
- Best Platform Presentation, International Myotonic Dystrophy Consortium (2019)
- Travel Award, International Myotonic Dystrophy Consortium, Muscular Dystrophy Association (2019)
- Best Poster Presentation, Baylor College of Medicine, IMBS Graduate Program (2019)
- Claude W. Smith Fellowship for Excellence in Research, Baylor College of Medicine (2018)
- Best Seminar Presentation, Baylor College of Medicine, IMBS Graduate Program (2018)
- Best Graduate Oral Presentation, Baylor College of Medicine, Dept of Molecular Physiology and Biophysics (2018)
- NIH NRSA F31 Predoctoral Fellowship, National Institutes of Health/NHLBI (2018)
- Top Abstract Award, Baylor College of Medicine, Cardiovascular Research Institute (2017)
- Dean's Award of Excellence, Baylor College of Medicine (2017)
- Abstract Travel Award, American Heart Association (2017)
- Travel Award, International Myotonic Dystrophy Consortium, Muscular Dystrophy Association (2017)
- NIH NRSA T32 Predoctoral Training Grant, National Institutes of Health/NHLBI, Baylor College of Medicine (2016)

PROFESSIONAL EDUCATION

- Ph.D., Baylor College of Medicine (2019)
- M.A., Harvard University (2015)
- M.A., Boston University (2013)
- B.S., University of Maryland, College Park (2011)

STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Joseph Wu (8/1/2019)

Publications

PUBLICATIONS

- **miR-218 Expressed in Endothelial Progenitor Cells Contributes to the Development and Repair of the Kidney Microvasculature.** *The American journal of pathology*
  Wang, X., Liu, J., Yin, W., Abdi, F., Pang, P. D., Fucci, Q. A., Abbott, M., Chang, S. L., Steele, G., Patel, A., Mori, Y., Zhang, A., Zhu, et al
  2020; 190 (3): 642–59

- **KLF4 Represses DYRK2 Inhibition of Self-renewal and Survival Through c-Myc and p53 in Leukemia Stem/Progenitor Cells.** *Blood*
  Park, C. S., Lewis, A. H., Chen, T. J., Bridges, C. S., Shen, Y., Suppipat, K., Puppi, M., Tomolonis, J. A., Pang, P. D., Mistretta, T. A., Ma, L., Green, M. R., Rau, et al
  2019

- **CRISPR -Mediated Expression of the Fetal Scn5a Isoform in Adult Mice Causes Conduction Defects and Arrhythmias.** *Journal of the American Heart Association*
  Pang, P. D., Alsina, K. M., Cao, S., Koushik, A. B., Wehrens, X. H., Cooper, T. A.
  2018; 7 (19): e010393

- **Pre-clinical model of severe glutathione peroxidase-3 deficiency and chronic kidney disease results in coronary artery thrombosis and depressed left ventricular function.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
  Pang, P., Abbott, M., Abdi, M., Fucci, Q. A., Chauhan, N., Mistri, M., Proctor, B., Chin, M., Wang, B., Yin, W., Lu, T. S., Halim, A., Lim, et al
  2018; 33 (6): 923–34

- **Human vascular progenitor cells derived from renal arteries are endothelial-like and assist in the repair of injured renal capillary networks.** *Kidney international*
  Pang, P., Abbott, M., Chang, S. L., Abdi, M., Chauhan, N., Mistri, M., Ghofrani, J., Fucci, Q. A., Walker, C., Leonardi, C., Grady, S., Halim, A., Hoffman, et al
  2017; 91 (1): 129–43

- **Sox9 Activation Highlights a Cellular Pathway of Renal Repair in the Acutely Injured Mammalian Kidney.** *Cell reports*
  Kumar, S., Liu, J., Pang, P., Krautzberger, A. M., Reginensi, A., Akiyama, H., Schedl, A., Humphreys, B. D., McMahon, A. P.
  2015; 12 (8): 1325–38

- **RGS4 inhibits angiotensin II signaling and macrophage localization during renal reperfusion injury independent of vasospasm.** *Kidney international*
  Pang, P., Jin, X., Proctor, B. M., Farley, M., Roy, N., Chin, M. S., von Andrian, U. H., Vollmann, E., Perro, M., Hoffman, R. J., Chung, J., Chauhan, N., Mistri, et al
  2015; 87 (4): 771–83