Stanford



Ke Yuan

Bio

ACADEMIC APPOINTMENTS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Dean Postdoc Fellowship, Stanford University (2013)
- AHA Postdoc Award, American Heart Association (2013-2015)
- Cournand and Comroe Young Investigator Award, AHA (11/18/2014)

Publications

PUBLICATIONS

- **ANATOMIC, GENETIC AND FUNCTIONAL PROPERTIES OF THE RETINAL CIRCULATION IN PULMONARY HYPERTENSION** *Pulmonary Circulation*
  Nickel, N. P., Shamskhou, E. A., Razeen, M., Condon, D., Messentier, L., Dubra, A., Liao, Y., Zamanian, R. T., Yuan, K., de Jesus Perez, V. A.
  2020

- **Novel approaches to pulmonary arterial hypertension drug discovery.** *Expert opinion on drug discovery*
  Sung, Y. K., Yuan, K., de Jesus Perez, V. A.
  2016; 11 (4): 407-414

- **Loss of PPAR? in endothelial cells leads to impaired angiogenesis.** *Journal of cell science*
  Vattulainen-Collanus, S., Akinrinade, O., Li, M., Koskenvuo, M., Li, C. G., Rao, S. P., de Jesus Perez, V., Yuan, K., Sawada, H., Koskenvuo, J. W., Alvira, C., Rabinovitch, M., Alastalo, et al
  2016; 129 (4): 693-705

- **Cyclosporine Does Not Prevent Microvascular Loss in Transplantation but Can Synergize With a Neutrophil Elastase Inhibitor, Elafin, to Maintain Graft Perfusion During Acute Rejection** *AMERICAN JOURNAL OF TRANSPLANTATION*
  Jiang, X., Nguyen, T. T., Tian, W., Sung, Y. K., Yuan, K., Qian, J., Rajadas, J., Sallenave, J., Nickel, N. P., Perez, V. d., RABINOVITCH, M., Nicolls, M. R.
  2015; 15 (7): 1768-1781

- **Perlecan heparan sulfate deficiency impairs pulmonary vascular development and attenuates hypoxic pulmonary hypertension.** *Cardiovascular research*
  Chang, Y., Tseng, C., Tannenberg, P., Eriksson, L., Yuan, K., de Jesus Perez, V. A., Lundberg, J., Lengquist, M., Botusan, I. R., Catrina, S., Tran, P., Hedin, U., Tran-Lundmark, et al
  2015; 107 (1): 20-31

- **Activation of the Wnt/Planar Cell Polarity Pathway Is Required for Pericyte Recruitment during Pulmonary Angiogenesis.** *American journal of pathology*

Yuan, K., Orcholski, M. E., Panaroni, C., Shuffle, E. M., Huang, N. F., Jiang, X., Tian, W., Vladar, E. K., Wang, L., Nicolls, M. R., Wu, J. Y., de Jesus Perez, V. A.
2015; 185 (1): 69-84

- **Optical Coherence Tomography of Pulmonary Arterial Walls in Humans and Pigs (Sus scrofa domesticus).** *Comparative medicine*
  Brunner, N. W., Zamanian, R. T., Ikeno, F., Mitsutake, Y., Connolly, A. J., Shuffle, E., Yuan, K., Orcholski, M., Lyons, J., de Jesus Perez, V. A.
  2015; 65 (3): 217-224
- **Oxido-reductive regulation of vascular remodeling by receptor tyrosine kinase ROS1** *JOURNAL OF CLINICAL INVESTIGATION*
  Ali, Z. A., Perez, V. D., Yuan, K., Orcholski, M., Pan, S., Qi, W., Chopra, G., Adams, C., Kojima, Y., Leeper, N. J., Qu, X., Zaleta-Rivera, K., Kato, et al
  2014; 124 (12): 5159-5174
- **Targeting the Wnt signaling pathways in pulmonary arterial hypertension** *DRUG DISCOVERY TODAY*
  Perez, V. d., Yuan, K., Alastalo, T., Spiekerkoetter, E., Rabinovitch, M.
  2014; 19 (8): 1270-1276
- **Targeting the Wnt signaling pathways in pulmonary arterial hypertension.** *Drug discovery today*
  de Jesus Perez, V., Yuan, K., Alastalo, T., Spiekerkoetter, E., Rabinovitch, M.
  2014; 19 (8): 1270-1276
- **Loss of Bone Morphogenetic Protein Receptor 2 Is Associated with Abnormal DNA Repair in Pulmonary Arterial Hypertension** *AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY*
  Li, M., Vattulainen, S., Aho, J., Orcholski, M., Rojas, V., Yuan, K., Helenius, M., Taimen, P., Myllykangas, S., Perez, V. D., Koskenvuo, J. W., Alastalo, T.
  2014; 50 (6): 1118-1128
- **Whole-Exome Sequencing Reveals TopBP1 as a Novel Gene in Idiopathic Pulmonary Arterial Hypertension** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
  Perez, V. A., Yuan, K., Lyuksyutova, M. A., Dewey, F., Orcholski, M. E., Shuffle, E. M., Mathur, M., Yancy, L., Rojas, V., Li, C. G., Cao, A., Alastalo, T., Khazeni, et al
  2014; 189 (10): 1260-1272
- **Leukotrienes in pulmonary arterial hypertension.** *Immunologic research*
  Tian, W., Jiang, X., Sung, Y. K., Qian, J., Yuan, K., Nicolls, M. R.
  2014; 58 (2-3): 387-393
- **Perioperative pharmacological management of pulmonary hypertensive crisis during congenital heart surgery.** *Pulmonary circulation*
  Brunner, N., de Jesus Perez, V. A., Richter, A., Haddad, F., Denault, A., Rojas, V., Yuan, K., Orcholski, M., Liao, X.
  2014; 4 (1): 10-24
- **Tie2-dependent VHL knockdown promotes airway microvascular regeneration and attenuates invasive growth of Aspergillus fumigatus** *JOURNAL OF MOLECULAR MEDICINE-JMM*
  Jiang, X., Hsu, J. L., Tian, W., Yuan, K., Olcholski, M., Perez, V. D., Semenza, G. L., Nicolls, M. R.
  2013; 91 (9): 1081-1093
- **MiR-133a Modulates Osteogenic Differentiation of Vascular Smooth Muscle Cells** *ENDOCRINOLOGY*
  Liao, X., Zhang, Z., Yuan, K., Liu, Y., Feng, X., Cui, R., Hu, Y., Yuan, Z., Gu, L., Li, S., Mao, D., Lu, Q., Zhou, et al
  2013; 154 (9): 3344-3352
- **MicroRNAs: promising therapeutic targets for the treatment of pulmonary arterial hypertension.** *Expert opinion on therapeutic targets*
  Yuan, K., Orcholski, M., Tian, X., Liao, X., de Jesus Perez, V. A.
  2013; 17 (5): 557-564
- **Loss of adenomatous poliposis coli-a3 integrin interaction promotes endothelial apoptosis in mice and humans.** *Circulation research*
  de Jesus Perez, V. A., Yuan, K., Orcholski, M. E., Sawada, H., Zhao, M., Li, C. G., Tojais, N. F., Nickel, N., Rajagopalan, V., Spiekerkoetter, E., Wang, L., Dutta, R., Bernstein, et al
  2012; 111 (12): 1551-1564
- **Loss of Adenomatous Poliposis Coli-alpha 3 Integrin Interaction Promotes Endothelial Apoptosis in Mice and Humans** *CIRCULATION RESEARCH*

Perez, V. A., Yuan, K., Orcholski, M. E., Sawada, H., Zhao, M., Li, C. G., Tojais, N. F., Nickel, N., Rajagopalan, V., Spiekerkoetter, E., Wang, L., Dutta, R., Bernstein, et al

2012; 111 (12): 1551-?

- **Role of miR-148a in Hepatitis B Associated Hepatocellular Carcinoma** *PLOS ONE*

  Yuan, K., Lian, Z., Sun, B., Clayton, M. M., Ng, I. O., Feitelson, M. A.

  2012; 7 (4)