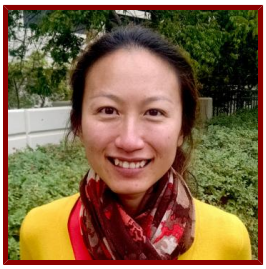
Stanford



Caiyun Grace Li

Basic Life Science Research Scientist, Radiation Oncology - Radiation Biology

Bio

HONORS AND AWARDS

- Stanford University Mass Spectrometry Seed Funding Grant, Stanford University (2016)
- Keystone Symposia Scholarship, Nuclear Receptors: Biological Networks, Genome Dynamics and Disease, NM, USA (2014)
- Travel Award, Stanford Cardiovascular Institute, Stanford University, USA (2014)
- Centre for Reproduction and Genomics Research Colloquium Poster Prize, University of Otago, New Zealand (2010)
- Dunedin School of Medicine Health Research Excellence Best Health Research Poster Award, University of Otago, New Zealand (2010)
- Travel Assistance Bursary, The Functional Genomics, Gene Expression and Proteomics Research Theme, University of Otago (2010)
- University of Otago Postgraduate Publishing Bursary (PhD), University of Otago, New Zealand (2010)
- Claude McCarthy Fellowship, the New Zealand Vice-Chancellor's Committee (2008)
- Dunedin School of Medicine Finishing Your PhD Grants-in-Aid, University of Otago, New Zealand (2008)
- Travel Assistance Bursary, the Queenstown Molecular Biology Meeting, New Zealand (2007)
- International Doctoral Scholarship, University of Otago, New Zealand (2005)
- PhD Scholarship, the Health Research Council of New Zealand (2005)
- Student Travel Award, New Zealand Society of Biochemistry and Molecular Biology (2004)

Professional

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, New Zealand Society for Biochemistry and Molecular Biology (2004 - 2005)
- Member, The American Association for the Advancement of Science (AAAS) (2011 - present)
- Member, The Human Proteome Organisation (HUPO) (2011 - present)
- Member, Association for Women in Science (AWIS) (2012 - present)

Publications

PUBLICATIONS

- **Intracellular C4BPA Levels Regulate NF-kappaB-Dependent Apoptosis.** *iScience*
  Olcina, M. M., Kim, R. K., Balanis, N. G., Li, C. G., von Eyben, R., Graeber, T. G., Ricklin, D., Stucki, M., Giaccia, A. J.
  2020; 23 (10): 101594

- **PPARgamma Interaction with UBR5/ATMIN Promotes DNA Repair to Maintain Endothelial Homeostasis.** *Cell reports*

Li, C. G., Mahon, C., Sweeney, N. M., Verschueren, E., Kantamani, V., Li, D., Hennigs, J. K., Marciano, D. P., Diebold, I., Abu-Halawa, O., Elliott, M., Sa, S., Guo, et al

2019; 26 (5): 1333

- **Smooth Muscle Contact Drives Endothelial Regeneration by BMPR2-Notch1-Mediated Metabolic and Epigenetic Changes** *CIRCULATION RESEARCH*

  Miyagawa, K., Shi, M., Chen, P., Hennigs, J. K., Zhao, Z., Wang, M., Li, C. G., Saito, T., Taylor, S., Sa, S., Cao, A., Wang, L., Snyder, et al

  2019; 124 (2): 211–24

- **SMAD proteins directly suppress PAX2 transcription downstream of transforming growth factor-beta 1 (TGF-#1) signalling in renal cell carcinoma.** *Oncotarget*

  Kaur, G., Li, C. G., Chantry, A., Stayner, C., Horsfield, J., Eccles, M. R.

  2018; 9 (42): 26852–67

- **Induced Pluripotent Stem Cell Model of Pulmonary Arterial Hypertension Reveals Novel Gene Expression and Patient Specificity** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*

  Sa, S., Gu, M., Chappe, J., Shao, N., Ameen, M., Elliott, K. A., Li, D., Grubert, F., Li, C. G., Taylor, S., Cao, A., Ma, Y., Fong, et al

  2017; 195 (7): 930-941

- **Amphetamines promote mitochondrial dysfunction and DNA damage in pulmonary hypertension.** *JCI insight*

  Chen, P., Cao, A., Miyagawa, K., Tojais, N. F., Hennigs, J. K., Li, C. G., Sweeney, N. M., Inglis, A. S., Wang, L., Li, D., Ye, M., Feldman, B. J., Rabinovitch, et al

  2017; 2 (2)

- **Upregulation of HERV-K is Linked to Immunity and Inflammation in Pulmonary Arterial Hypertension.** *Circulation*

  Saito, T., Miyagawa, K., Chen, S. Y., Tamosiuniene, R., Wang, L., Sharp, O., Samayoa, E., Harada, D., Moonen, J. A., Cao, A., Chen, P. I., Hennigs, J. K., Gu, et al

  2017

- **Loss of PPAR gamma 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., Perez, V. D., Yuan, K., Sawada, H., Koskenvuo, J. W., Alvira, C., Rabinovitch, M., Alastalo, et al

  2016; 129 (4): 693-705

- **RNA Sequencing Analysis Detection of a Novel Pathway of Endothelial Dysfunction in Pulmonary Arterial Hypertension** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*

  Rhodes, C. J., Im, H., Cao, A., Hennigs, J. K., Wang, L., Sa, S., Chen, P., Nickel, N. P., Miyagawa, K., Hopper, R. K., Tojais, N. F., Li, C. G., Gu, et al

  2015; 192 (3): 356-366

- **Elafin Reverses Pulmonary Hypertension via Caveolin-1-Dependent Bone Morphogenetic Protein Signaling** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*

  Nickel, N. P., Spiekerkoetter, E., Gu, M., Li, C. G., Li, H., Kaschwich, M., Diebold, I., Hennigs, J. K., Kim, K., Miyagawa, K., Wang, L., Cao, A., Sa, et al

  2015; 191 (11): 1273-1286

- **BMPR2 Preserves Mitochondrial Function and DNA during Reoxygenation to Promote Endothelial Cell Survival and Reverse Pulmonary Hypertension** *CELL METABOLISM*

  Diebold, I., Hennigs, J. K., Miyagawa, K., Li, C. G., Nickel, N. P., Kaschwich, M., Cao, A., Wang, L., Reddy, S., Chen, P., Nakahira, K., Alcazar, M. A., Hopper, et al

  2015; 21 (4): 596-608

- **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

- **FK506 activates BMPR2, rescues endothelial dysfunction, and reverses pulmonary hypertension.** *journal of clinical investigation*

  Spiekerkoetter, E., Tian, X., Cai, J., Hopper, R. K., Sudheendra, D., Li, C. G., El-Bizri, N., Sawada, H., Haghighat, R., Chan, R., Haghighat, L., de Jesus Perez, V., Wang, et al

  2013; 123 (8): 3600-3613

- **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

- **PAX Genes in Cancer; Friends or Foes?** *Frontiers in genetics*
  Li, C. G., Eccles, M. R.
  2012; 3: 6-?

- **PAX8 promotes tumor cell growth by transcriptionally regulating E2F1 and stabilizing RB protein** *ONCOGENE*
  Li, C. G., NYMAN, J. E., Braithwaite, A. W., Eccles, M. R.
  2011; 30 (48): 4824-4834

- **PAX3 knockdown in metastatic melanoma cell lines does not reduce MITF expression.** *Melanoma research*
  He, S., Li, C. G., Slobbe, L., Glover, A., Marshall, E., Baguley, B. C., Eccles, M. R.
  2010

PRESENTATIONS

- Gene Regulation By Pax2 In Autosomal Dominant Polycystic Kidney Disease - Department of Pathology, University of Otago (2004)
- A Role For Pax2 In Polycystic Kidney Disease - 175th Scientific Meeting of the Otago Medical School Research Society, University of Otago (2004)
- PAX Gene Regulation: Where Development and Cancer Meet - Department of Pathology, University of Otago (2010)
- PAX8 Gene Regulation – Where Development and Cancer Meet - The Cancer Satellite meeting of 20th Queenstown Molecular Biology Conference (2010)
- PPAR# Plays a Novel, Pivotal Role in DNA Damage Sensing and Repair, That is Perturbed in Pulmonary Arterial Hypertension - American Heart Association Scientific Sessions (2014)
- PPAR# controls the DNA damage response by modulating UBR5 interaction with the MRE11- RAD50-NBS1 complex, an impaired signaling in pulmonary arterial hypertension - American Thoracic Society Mini Symposium (2016)
- PPAR#-MRN complex maintains genome integrity and is perturbed in vascular disease - Chemistry, Engineering & Medicine for Human Health (ChEM-H) Postdoc Society Meeting, Stanford University (2016)
- A deep dive into pulmonary biology - from cardiovascular diseases to cancer metastasis - Pathology Departmental Seminar, University of Otago (2019)