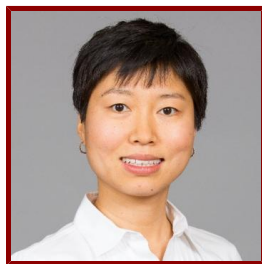


Stanford



Lingyin Li

Associate Professor of Biochemistry

Bio

BIO

Dr. Li is an associate professor in the Biochemistry Department and ChEM-H Institute at Stanford since 2015. Her lab works on understanding biochemical mechanisms of innate immunity and harnessing it to treat cancer. She majored in chemistry at University of Science and Technology of China and graduated with a B. En in 2003. She then trained with Dr. Laura Kiessling, a pioneer in chemical biology, at University of Wisconsin-Madison and graduated with a Ph.D in chemistry in 2010. She obtained her postdoctoral training with Dr. Timothy Mitchison at Harvard Medical School, who introduced her to the field of chemical immunology.

ACADEMIC APPOINTMENTS

- Associate Professor, Biochemistry
- Member, Bio-X
- Institute Scholar, Sarafan ChEM-H
- Member, Stanford Cancer Institute

HONORS AND AWARDS

- NIH Pathway to Independence Award, NIH (2015-2018)
- Baxter Foundation Faculty Scholars Award, Donald E. and Delia B. Baxter Foundation (2017-2018)
- NIH New Innovator Award, NIH (2017-2022)
- Ono Pharma Breakthrough Science Initiative Award, Ono Pharma Foundation (2017-2010)
- DOD Breast Cancer Research Program Breakthrough Award Level II, DOD (2018-2021)
- C&En News Talented 12, C&En News (2020)
- Eli Lilly Award in Biological Chemistry, American Chemical Society (2022)

Teaching

COURSES

2020-21

- Advanced Cell Biology: BIO 214, BIOC 224, MCP 221 (Win)

STANFORD ADVISEES

Med Scholar Project Advisor

Songnan Wang

Doctoral Dissertation Reader (AC)

Anahita Nejatfard, Timothy Wu

Doctoral Dissertation Advisor (AC)

Xujun Cao, Dayanne Carvalho, Rebecca Chan, Michelle Lee, Valentino Sudaryo, Songnan Wang

Publications

PUBLICATIONS

- **Human SLC46A2 Is the Dominant cGAMP Importer in Extracellular cGAMP-Sensing Macrophages and Monocytes.** *ACS central science*
Cordova, A. F., Ritchie, C., Bohnert, V., Li, L.
2021; 7 (6): 1073-1088
- **LRRC8A:C/E Heteromeric Channels Are Ubiquitous Transporters of cGAMP.** *Molecular cell*
Lahey, L. J., Mardjuki, R. E., Wen, X., Hess, G. T., Ritchie, C., Carozza, J. A., Bohnert, V., Maduke, M., Bassik, M. C., Li, L.
2020
- **Diversity Is a Strength of Cancer Research in the US** *CANCER CELL*
Merad, M., Posey, A. D., Olivero, O., Singh, P. K., Mouneimne, G., Li, L., Wallace, L. M., Hayes, T. K.
2020; 38 (3): 297–300
- **Structure-Aided Development of Small-Molecule Inhibitors of ENPP1, the Extracellular Phosphodiesterase of the Immunotransmitter cGAMP.** *Cell chemical biology*
Carozza, J. A., Brown, J. A., Bohnert, V., Fernandez, D., AlSaif, Y., Mardjuki, R. E., Smith, M., Li, L.
2020
- **cGAMP as an Adjuvant in Antiviral Vaccines and Cancer Immunotherapy** *BIOCHEMISTRY*
Ritchie, C., Li, L.
2020; 59 (18): 1713–15
- **Structural Insights into STING Signaling.** *Trends in cell biology*
Ergun, S. L., Li, L.
2020; 30 (5): 399–407
- **Extracellular cGAMP is a cancer cell-produced immunotransmitter involved in radiation-induced anti-cancer immunity.** *Nature cancer*
Carozza, J. A., Bohnert, V., Nguyen, K. C., Skariah, G., Shaw, K. E., Brown, J. A., Rafat, M., von Eyben, R., Graves, E. E., Glenn, J. S., Smith, M., Li, L.
2020; 1 (2): 184-196
- **Development of cGAMP-Luc, a sensitive and precise coupled enzyme assay to measure cGAMP in complex biological samples.** *The Journal of biological chemistry*
Mardjuki, R. E., Carozza, J. A., Li, L. n.
2020
- **IFN-Independent STING Signaling: Friend or Foe?** *Immunity*
Bohnert, V. n., Ritchie, C. n., Li, L. n.
2020; 53 (1): 8–10
- **2' 3'-cGAMP is an immunotransmitter produced by cancer cells and regulated by ENPP1**
Carozza, J., Bohnert, V., Shaw, K., Khanh Nyugen, Skariah, G., Brown, J., Rafat, M., von Eyben, R., Graves, E., Glenn, J., Smith, M., Li, L.
AMER CHEMICAL SOC.2019
- **STING Polymer Structure Reveals Mechanisms for Activation, Hyperactivation, and Inhibition.** *Cell*
Ergun, S. L., Fernandez, D., Weiss, T. M., Li, L.
2019
- **SLC19A1 Is an Importer of the Immunotransmitter cGAMP.** *Molecular cell*
Ritchie, C., Cordova, A. F., Hess, G. T., Bassik, M. C., Li, L.
2019
- **STING Signaling Promotes Inflammation in Experimental AcutePancreatitis.** *Gastroenterology*

Zhao, Q., Wei, Y., Pandol, S. J., Li, L., Habtezion, A.

2018; 154 (6): 1822

● **Activation of the STING-Dependent Type I Interferon Response Reduces Microglial Reactivity and Neuroinflammation** *NEURON*

Mathur, V., Burai, R., Vest, R. T., Bonanno, L. N., Lehallier, B., Zardeneta, M. E., Mistry, K. N., Do, D., Marsh, S. E., Abud, E. M., Blurton-Jones, M., Li, L., Lashuel, et al

2017; 96 (6): 1290+

● **Host-Pathogen interactions: Nucleotide circles of life and death.** *Nature chemical biology*

Li, L.

2017; 13 (2): 130-131