

Stanford

Jing Lin Xie

Postdoctoral Research Fellow, Chemical and Systems Biology

Bio

HONORS AND AWARDS

- School of Medicine Dean's Postdoctoral Fellowship, Stanford University (2017-2018)
- DeLill Nasser Award, Genetics Society of America (2017)
- Doctoral Completion Award, Department of Molecular Genetics, University of Toronto (2016 – 2017)
- Ontario Graduate Scholarship, Ontario Ministry of Training, Colleges and Universities (2016 – 2017)
- Life Science Top 5 Finalist, Three Minute Thesis, University of Toronto (2016)
- Doctoral Completion Award, Department of Molecular Genetics, University of Toronto (2015 – 2016)
- Frederick Banting and Charles Best Canada Graduate Scholarship, Canadian Institutes of Health Research (2013 – 2016)
- Excellence for In Vivo Research, Molecular Mycology of the Pathogenic Fungi, Marine Biological Laboratory (2013)
- MSA John W. Rippon Research Award, Mycological Society of America (2013)
- University of Toronto Open Fellowship, University of Toronto (2012 – 2013)
- Norman Bethune Award, Ontario Student Opportunities Trust Fund (2012)
- Eric Hani Fellowship, Ontario Student Opportunities Trust Fund (2011 – 2012)
- Ontario Graduate Scholarship, Ontario Ministry of Training, Colleges and Universities (2011 – 2012)
- University of Toronto Open Fellowship, University of Toronto (2011 – 2012)
- University of Toronto Open Fellowship, University of Toronto (2010 – 2011)
- Life Sciences Committee Summer Undergraduate Research Fellowship, Department of Molecular Genetics, University of Toronto (2009)
- Ryan Orfalea Scholarship, FedEx Office (2008 – 2010)
- Life Sciences Committee Summer Undergraduate Research Fellowship, Department of Molecular Genetics, University of Toronto (2008)
- Regents In-Course Scholarship, Victoria College, University of Toronto (2007 – 2008)
- Celebrating Youth Award, Canadian Cancer Society (2007)
- Dean's List, University of Toronto (2006 – 2010)
- Prof. William Kingston and Dr. John Kingston Scholarship (\$1,000), Victoria College, University of Toronto (2006 – 2007)
- Lieutenant Governor's Award for Community Service, A.Y. Jackson Secondary School (2006)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Early Career Scientist Diversity Subcommittee Co-Chair, Genetics Society of America (2017 - present)

PROFESSIONAL EDUCATION

- Bachelor of Science, University of Toronto, Molecular Genetics and Microbiology (2010)
- Doctor of Philosophy, University of Toronto (2016)

Publications

PUBLICATIONS

- **Staurosporine Induces Filamentation in the Human Fungal Pathogen *Candida albicans* via Signaling through Cyr1 and Protein Kinase A** *mSphere*
Xie, J. L., O'meara, T. R., Polvi, E. J., Robbins, N., Cowen, L. E.
2017; 2 (2)
- **The *Candida albicans* transcription factor Cas5 couples stress responses, drug resistance and cell cycle regulation.** *Nature communications*
Xie, J. L., Qin, L. n., Miao, Z. n., Grys, B. T., Diaz, J. D., Ting, K. n., Krieger, J. R., Tong, J. n., Tan, K. n., Leach, M. D., Ketela, T. n., Moran, M. F., Krysan, et al
2017; 8 (1): 499
- **Signaling through Lrg1, Rho1 and Pkc1 Governs *Candida albicans* Morphogenesis in Response to Diverse Cues.** *PLoS genetics*
Xie, J. L., Grahl, N., Sless, T., Leach, M. D., Kim, S. H., Hogan, D. A., Robbins, N., Cowen, L. E.
2016; 12 (10)
- **Functional Genomic Analysis of *Candida albicans* Adherence Reveals a Key Role for the Arp2/3 Complex in Cell Wall Remodelling and Biofilm Formation** *PLoS Genet.*
Lee, J. A., Robbins, N., Xie, J. L., Ketela, T., Cowen, L. E.
2016
- **Elucidating drug resistance in human fungal pathogens** *FUTURE MICROBIOLOGY*
Xie, J. L., Polvi, E. J., Shekhar-Guturja, T., Cowen, L. E.
2014; 9 (4): 523-542
- **Loss of Elongation Factor P Disrupts Bacterial Outer Membrane Integrity (vol 194, pg 413, 2012)** *JOURNAL OF BACTERIOLOGY*
Zou, S. B., Hersch, S. J., Roy, N., Wiggers, J. B., Leung, A. S., Buranyi, S., Xie, J. L., Dare, K., Ibba, M., Navarre, W. W.
2012; 194 (16): 4484-4484
- **Global Analysis of the Evolution and Mechanism of Echinocandin Resistance in *Candida glabrata*** *PLOS PATHOGENS*
Singh-Babak, S. D., Babak, T., Diezmann, S., Hill, J. A., Xie, J. L., Chen, Y., Poutanen, S. M., Rennie, R. P., Heitman, J., Cowen, L. E.
2012; 8 (5)
- **PoxA, YjeK, and Elongation Factor P Coordinately Modulate Virulence and Drug Resistance in *Salmonella enterica*** *MOLECULAR CELL*
Navarre, W. W., Zou, S. B., Roy, H., Xie, J. L., Savchenko, A., Singer, A., Edvokimova, E., Prost, L. R., Kumar, R., Ibba, M., Fang, F. C.
2010; 39 (2): 209-221

PRESENTATIONS

- Signaling through Lrg, Rho1, and Pkc1 governs *Candida albicans* morphogenesis in response to diverse cues - Gordon Research Conference on Cellular & Molecular Fungal Biology
- Dephosphorylation of the Transcription Factor Cas5 Modulates Cell Cycle and Antifungal Drug Resistance - 66th Annual Conference of the Canadian Society of Microbiologists