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Education

2004 – 2011 Ph.D., Neuroscience
University of Southern California, Los Angeles, CA

1999 – 2003 B.S., Biological Sciences
Tsinghua University, Beijing, China

Work Experience

2018 – Present *Research Assistant Professor*, Life Sciences Institute
Assistant Professor, Department of Biologic and Materials Sciences
Assistant Professor, Department of Molecular and Integrative Physiology
University of Michigan

2012 – 2018 *Postdoctoral Scholar*
Mentor: Dr. Mark A. Krasnow
Department of Biochemistry
Howard Hughes Medical Institute
Stanford University School of Medicine

2005 – 2011 *Graduate Research Assistant*
Mentor: Dr. Henry M. Sucov
Broad CIRM Center for Regenerative Medicine
University of Southern California

Awards and Honors

2018 Neuroscience Scholar, University of Michigan

2017 – 2020 Parker B. Francis Fellowship

2016 Sammy Kuo Award, Best Publication in Neuroscience, Stanford University

2013 – 2016 Walter V. and Idun Berry Postdoctoral Fellowship, Stanford University

2008 Graduate Student Award, Weinstein Cardiovascular Development
Conference, Houston, TX

Publications

1. **Li P.**⁺, Li S-B, Wang X., Phillips C.D., Schwartz L.A., de Lecea L., Luo L., and Krasnow M.A.⁺ (2020) Brain circuit of claustrophobia-like behavior in mice identified by upstream tracing of sighing. **Cell Reports** 31:107779. ⁺, corresponding authors
2. **Li P.**⁺, and Yackle K. (2017) Sighing. **Current Biology** 27: R88-89. ⁺Corresponding author.
3. **Li P.**^{*}, Janczewski W.A.^{*}, Yackle K.^{*}, Kam K., Pagliardini S., Krasnow M.A.⁺, and Feldman J.L.⁺. (2016) The peptidergic control circuit for sighing. **Nature** (Article) 530: 293-297. ^{*}Equal contribution, ⁺co-corresponding authors.

Highlighted in Yates D. (2016) **Nature Review Neuroscience** 17: 198-199.
Also featured in Wall Street Journal, Washington Post, Los Angeles Times, Huffington Post, CBS, NPR, Fox News, and other media.
4. Tourine C., Li S., Hayton S., **Li P.**, Whittle A., Malenka R.C., and de Lecea L. A2/C2 catecholaminergic neurons integrate interoceptive stimuli into emotional signals. Submitted.
5. Ma M., **Li P.**, Shen H., Xu J., Kumar S.R., and Sucov H.M. (2016) Dysregulated endocardial TGF β signaling and mesenchymal transformation result in heart outflow tract septation failure. **Dev. Biol.** 409: 272-276.
6. Engelhard C., Merte J., Sarsfield S., Wang Q., **Li P.**, Beppu H., Kolodkin A.L., Sucov H.M., and Ginty D.D. (2013) MEGF8 is a modifier of BMP signaling in trigeminal sensory neurons. **ELife** 2: e01160.
7. **Li P.**, Pashmforoush M., and Sucov H.M. (2012) Mesodermal retinoic acid signaling regulates endothelial cell coalescence in caudal pharyngeal arch artery vasculogenesis. **Dev. Biol.** 361: 116-124.
8. **Li P.**, Cavallero S., Gu Y., Chen T.H., Hughes J., Hassan A.B., Bruning J., Pashmforoush M., and Sucov H.M. (2011) IGF signaling directs ventricular cardiomyocyte proliferation during embryonic heart development. **Development** 138: 1795-1805.
9. Brade T., Kumar S., Cunningham T.J., Chatzi C., Zhao X., Cavallero S., **Li P.**, Sucov H.M., Ruiz-Lozano P., and Duester G. (2011) Retinoic acid stimulates myocardial expansion by induction of hepatic erythropoietin which activates epicardial Igf2. **Development** 138: 139-148.
10. **Li P.**, Pashmforoush M., and Sucov H.M. (2010) Retinoic acid regulates differentiation of the secondary heart field and TGF β -mediated outflow tract septation. **Dev. Cell** 18: 480-485.
11. Sucov H.M., Gu Y., Thomas S., **Li P.**, and Pashmforoush M. (2009) Epicardial control of myocardial proliferation and morphogenesis. **Pediatric Cardiol.** 30: 617-625. (Review)
12. Nolting J., Daniel C., Reuter S., Stuelten C., **Li P.**, Sucov H., Kim B.G., Letterio J.J., Kretschmer K., Kim H.J., and von Boehmer H. (2009) Retinoic acid can enhance conversion of naive into regulatory T cells independently of secreted cytokines. **J. Exp. Med.** 206: 2131-2139.
13. Asahina K., Tsai S., **Li P.**, Ishii M., Maxson R.E., Sucov H.M., and Tsukamoto H. (2009) Mesenchymal origin of hepatic stellate cells, submesothelial cells, and perivascular mesenchymal cells during mouse liver development. **Hepatology** 49: 998-1011.
14. Choudhary B., Zhou J., **Li P.**, Thomas S., Johnson B., Kaartinen V., and Sucov H.M. (2009)

Absence of TGF signaling in embryonic vascular smooth muscle leads to reduced lysyl oxidase expression, impaired elastogenesis, and aneurysm. **Genesis** 47: 115-121.

15. Kang J., Gu Y., **Li P.**, Johnson B.L., Sucov H.M., and Thomas P.S. (2008) PDGF-A as an epicardial mitogen during heart development. **Dev. Dyn.** 237: 692-701.
16. Lai Y., Sun Z., **Li P.**, and Xie Z. (2004) Molecular cloning, expression, and purification of human nuclear receptor Nurr1. **Chinese J. Biochem. Mol. Biol.** 20: 578-582.
17. Zuo H., Xie Z., Sun Z., **Li P.**, and Lai Y. (2004) Gene cloning, expression and biological activity analysis of human brain derived neurotrophic factor. **Chinese J. Neuroanat.** 20: 543-547.
18. Sun Z., Lai Y., **Li P.**, Zuo H., and Xie Z. (2004) GDNF augments survival and differentiation of TH-positive neurons in neural progenitor cells. **Cell Biol. Int.** 28: 323-325.
19. Sun Z., Lai Y., **Li P.**, Zhang L., Zuo H., and Xie Z. (2003) The proliferation and differentiation of neural progenitor cells and their regulation in Parkinson's disease. **Chinese J. Neuroanat.** 19: 359-364.

Invited Oral Presentations

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| 2017 | <i>The neuropeptide control circuit for sighing</i>
10 th SFN Satellite Symposium on Motor Systems, NIH, DC |
| 2017 | <i>Genetic dissection of neural control for breathing</i>
Palo Alto VA, Neuroscience Grand Rounds, Palo Alto, CA |
| 2014 | <i>Molecular and cellular basis of sighing</i>
Neural Circuits meeting at Cold Spring Harbor Laboratory, New York |
| 2013 | <i>Molecular control of sighing</i>
Stanford Biochemistry Research Conference, South Lake Tahoe, CA |
| 2010 | <i>Retinoic acid regulated differentiation of second heart field progenitors</i>
UCSF/USC/UCLA Stem Cell Retreat, Asilomar, CA |
| 2009 | <i>Retinoic acid regulates differentiation of the secondary heart field and TGFβ-mediated outflow tract septation</i>
Weinstein Cardiovascular Development Conference, San Francisco, CA |

Grant Support

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| 2018 – present | Start-Up Funds, University of Michigan |
| 2018 | Neuroscience Scholar, University of Michigan |
| 2017 – 2020 | Parker B. Francis Fellowship |
| 2013 – 2016 | Walter V. and Idun Berry Postdoctoral Fellowship, Stanford University |