

CURRICULUM VITAE

I-Ju Lee 李以如

Address: Room 203, Life Science Building I, National Tsing Hua University
101, Section 2, Kuang-Fu Rd., Hsinchu City, Taiwan 300

Office Phone: (03) 5715131 ext. 42748; Email: ijlee@life.nthu.edu.tw

ORCID: 0000-0003-3205-7741;

Lab Website: <https://ijuleelab.wixsite.com/ijl-lab>

Professional Experience

- 2022-present **Assistant Professor** at Institute of Molecular Medicine,
National Tsing Hua University, Taiwan
- 2014-2022 **Postdoctoral Research Fellow** at Dr. David Pellman's Laboratory,
Dana-Farber Cancer Institute/Harvard Medical School, Boston, MA, USA
- 2014 **Postdoctoral Researcher** at Dr. Jian-Qiu Wu's Laboratory,
The Ohio State University, Columbus, OH, USA

Education

- 2008-2013 **Ph.D.** in Molecular, Cellular, and Developmental Biology,
The Ohio State University, Columbus, OH, USA
- 2005-2007 **M.S.** in Molecular and Cellular Biology, National Taiwan University, Taiwan
- 2001-2005 **B.S.** in Chemistry, National Taiwan University, Taiwan

Awards and Honors

- 2025 Excellence in Teaching Award, National Tsing Hua University, Taiwan
- 2015-2018 Postdoctoral Fellowship, The Leukemia and Lymphoma Society
- 2012-2013 Pelotonia Graduate Fellowship for Cancer Research, The Ohio State University
- 2013 Outstanding Poster Award, Molecular Life Sciences Interdisciplinary Graduate Programs
(MLS-IGP), The Ohio State University
- 2012 Graduate Student Travel Award, The America Society for Cell Biology

Publications

- Sydir EM, Farra MH, Whitford AL, Hinojosa S, Kao P-Y, Paulo JA, Swarup S, Lusk CP, Harper JW, Lee I-J*, and Pellman D*. 2026. Components of an ESCRT-independent NE assembly pathway. *In Revision*.
*Co-corresponding authors
BioRxiv: <https://www.biorxiv.org/content/10.64898/2026.02.01.703137v1>
- Lee I-J*, Stokasimov E, Dempsey N, Varberg J, Jacob E, Jaspersen SL, and Pellman D*. 2020. Factors promoting nuclear envelope assembly independent of the canonical ESCRT pathway. *J. Cell Biol.* 219:e201908232. PMID: 32243490 *Co-corresponding authors
- Liu Y, Lee I-J, Sun M, Lower CA, Runge KW, Ma J, Wu J-Q. 2016. Roles of the novel coiled-coil protein Rng10 in septum formation during fission yeast cytokinesis. *Mol. Biol. Cell.* 27:2528-2541. PMID: 27385337
- Wang N, Lee I-J, Rask G, and Wu J-Q. 2016. Roles of the TRAPP-II Complex and the exocyst in membrane deposition during fission yeast cytokinesis. *PLoS Biol.* 14:e1002437. PMID: 27082518
- Sun L, Guan R, Lee I-J, Liu Y, Chen M, Wang J, Wu J-Q, and Chen Z. 2015. Mechanistic insights into the anchorage of the contractile ring by Anillin and Mid1. *Dev. Cell.* 33:1-14. PMID: 25959226
- Xu T, Vavylonis D, Yusef E, Lee I-J, Wu J-Q, Tsai F, Koenderink G, and Huang X. 2015. SOAX: A software for quantification of biopolymer networks. *Sci. Reports.* 5:9081. PMID: 25765313
- Lee I-J, Wang N, Hu W, Schott K, Bähler J, Giddings TH, Pringle JR, Du L-L, and Wu J-Q. 2014. Regulation of SPB assembly and cytokinesis by the centrin-binding protein Sfi1 in fission yeast. *Mol. Biol. Cell.* 25:2735-2749. PMID: 25031431

- Lee I-J, Coffman VC, and Wu J-Q. 2012. Contractile-ring assembly in fission yeast: Recent advances and new perspectives. *Cytoskeleton*. 69:751-763. PMID: 22887981
- Lee I-J and Wu J-Q. 2012. Characterization of Mid1 domains for targeting and scaffolding in fission yeast cytokinesis. *J. Cell Sci.* 125:2973-2985. PMID: 22427686
- Ye Y, Lee I-J, Runge KW, and Wu J-Q. 2012. Roles of putative Rho-GEF Gef2 in division-site positioning and contractile-ring function in fission yeast cytokinesis. *Mol. Biol. Cell.* 23:1181-1195. PMID: 22298427
- Laporte D, Coffman VC, Lee I-J, and Wu J-Q. 2011. Assembly and architecture of precursor nodes during fission yeast cytokinesis. *J. Cell Biol.* 192:1005-1021. PMID: 21422229
- Yeh C-H, Yang H-J, Lee I-J, and Wu Y-C. 2010. *C. elegans* TLK-1 controls cytokinesis by localizing AIR-2/Aurora B to midzone microtubules. *Biochem. Biophys. Res. Commun.* 400:187-193. PMID: 20705056
- Coffman VC, Nile AH, Lee I-J, Liu H, and Wu J-Q. 2009. Roles of formin nodes and myosin motor activity in Mid1p-dependent contractile-ring assembly during fission yeast cytokinesis. *Mol. Biol. Cell.* 20:5195-5210. PMID: 19864459

Book Chapter

- Coffman VC, Lee I-J, and Wu J-Q. 2014. Counting molecules within cells. In: Marshall WF, editor. Colloquium series on quantitative cell biology #1. Morgan & Claypool Publishers.

Invited Talks

- 2025 Taiwan Yeast Meeting, Taipei, Taiwan
- 2024 OU (Osaka University)-NTHU Symposium, Hsinchu, Taiwan
- 2024 Taiwan Yeast Meeting, Taichung, Taiwan
- 2024 Institute of Molecular and Genomic Medicine, NHRI, Taiwan
- 2024 The 8th Transdisciplinary Workshops of Chemistry, Life Science, and Physics
- 2022 NHRI-NTHU Joint Research Conference, Miaoli, Taiwan
Taiwan Yeast Meeting, Hsinchu, Taiwan
- 2020 Pombe Talks Online Seminar
Institute of Cellular and Organismic Biology, Academia Sinica, Taiwan
- 2019 The Northeast Nuclear Envelope Meeting, New Haven, CT, USA
Boston Taiwanese Biotechnology Association, Boston, MA, USA
- 2018 FASEB Meeting Yeast Chromosome Biology and Cell Cycle, Steamboat Springs, CO, USA
- 2014 Institute of Molecular and Cellular Biology, National Taiwan University, Taiwan

Service and Leadership

- 2025 Poster Judge, The 12th International Fission Yeast Meeting
- 2023-present Manuscript Reviewer, Journal of Cell Science
- 2022-2024 Early-Career Reviewer, Genetics and G3, Genetics Society of America
- 2021 Abstract Reviewer, ASCB/EMBO meeting
- 2020 Panelist, Postdoc Workshop, Boston Taiwanese Biotechnology Association
- 2018-2020 Board Member, Boston Taiwanese Biotechnology Association
- 2018 Mentor, CURE program for students from underrepresented populations, Dana-Farber Cancer Institute
- 2017-2018 co-President, Boston Taiwanese Biotechnology Association
- 2010-2022 Reviewed manuscripts for EMBO Journal, Genes & Development, Journal of Cell Biology, Molecular Biology of the Cell, and Molecular Microbiology with advisors.