

CURRICULUM VITAE

Yichen Li, PhD

Version Date: 1/30/2022

Contact Information:

Address: Amistad Street Building
10 Amistad Street
New Haven
CT 06519
Phone: 1 (267) 408-5195
Email: yichen.li@yale.edu

Education:

07/2010 - 07/2014 BS, Northwest A&F University, Biotechnology, Xi'an, Shaanxi
08/2015 - 12/2020 PhD, Temple University, Biology, Philadelphia, PA

Career/Academic Appointments:

05/2021 - Present Postdoctoral Associate, Genetics, Yale School of Medicine, New Haven, CT

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale:

International/National

- 2017: 2017 American Society for Cell Biology (ASCB) | European Molecular Biology (EMBO) Meeting in Philadelphia, Philadelphia, PA. "Signal-Regulated Nuclear Transport and Accumulation of Smad Proteins studied by High-Speed Single-Molecule Microscopy"
- 2019: 63rd Annual Meeting of Biophysical Society Meeting in Baltimore, Baltimore, MD. "Nuclear export efficiency of mRNA relies on copies of nuclear basket proteins"

Bibliography:

Peer-Reviewed Original Research

1. Li Y, Luo W, Yang W. Nuclear Transport and Accumulation of Smad Proteins Studied by Single-Molecule Microscopy. *Biophys J* 2018, 114: 2243-2251. [PMID: 29742417](#), DOI: 10.1016/j.bpj.2018.03.018.
2. Mudumbi KC, Czapiewski R, Ruba A, Junod SL, Li Y, Luo W, Ngo C, Ospina V, Schirmer EC, Yang W. Nucleoplasmic signals promote directed transmembrane protein import simultaneously via multiple channels of nuclear pores. *Nature Communications* 2020, 11: 2184. [PMID: 32366843](#), [PMCID: PMC7198523](#), DOI: 10.1038/s41467-020-16033-x.

3. **Li Y**, Aksenova V, Tingey M, Yu J, Ma P, Arnaoutov A, Chen S, Dasso M, Yang W. Distinct roles of nuclear basket proteins in directing the passage of mRNA through the nuclear pore. *Proc Natl Acad Sci U S A* 2021, 118 [PMID: 34504007](#), DOI: 10.1073/pnas.2015621118.
4. Tingey M, **Li Y**, Yang W. Protocol for single-molecule fluorescence recovery after photobleaching microscopy to analyze the dynamics and spatial locations of nuclear transmembrane proteins in live cells. *STAR Protoc* 2021, 2: 100490. [PMID: 34007970](#), DOI: 10.1016/j.xpro.2021.100490.
5. **Li Y**, Tingey M, Ruba A, Yang W. High-speed super-resolution imaging of rotationally symmetric structures using SPEED microscopy and 2D-to-3D transformation. *Nat Protoc* 2021, 16: 532-560. [PMID: 33318694](#), DOI: 10.1038/s41596-020-00440-x.

Chapters, Books, and Reviews

6. **Li Y**, Junod SL, Ruba A, Kelich JM, Yang W. Nuclear export of mRNA molecules studied by SPEED microscopy. *Methods* 2019, 153: 46-62. [PMID: 30125665](#), DOI: 10.1016/j.ymeth.2018.08.005.