

Benjamin Ming Chin

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Employment

January 2023-present	Postdoctoral researcher, University of California, Berkeley School of Optometry
May 2022-December 2022	Postdoctoral researcher, University of Pennsylvania Department of Psychology

Education

8/31/2015 - 5/15/2022	PhD Psychology, University of Pennsylvania
8/31/2011 - 5/30/2015	B.A. Cognitive Science with honors, Vassar College

Publications

Rodriguez-Lopez, V., **Chin, B. M.**, & Burge, J. (2025). The impact of overall light-level on the reverse Pulfrich effect. *Journal of Vision*, 25(3).

Barnett, M.A., **Chin, B.M.**, Aguirre, G.K., Burge, J., & Brainard, D. (2025). Temporal dynamics of color processing measured using a continuous tracking task. *Journal of Vision*, 25(2).

Chin, B. M., Wang, M., Mikkelsen, L. T., Friedman, C. T., Ng, C. J., Chu, M. A., & Cooper, E. A. (2024). A paradigm for characterizing motion misperception in people with typical vision and low vision. *Optometry and Vision Science*, 101(5), 252-262.

Chin, B. M. & Burge, J. (2022). Perceptual consequences of interocular differences in the duration of temporal integration. *Journal of Vision*, 22(12), 1-17.

Chin, B. M. & Burge, J. (2020). Predicting the partition of behavioral variability in speed perception with naturalistic images. *Journal of Neuroscience*, 40(4), 864-879.

de Leeuw, J. R., Andrews, J. K., Livingston, K. R., & **Chin, B. M.** (2016). The effects of categorization on perceptual judgment are robust across different assessment tasks. *Collabra*, 2(1), 1-9.

In preparation:

Chin, B. M., & Burge, J. (2025). Interocular binding of chromatic signals across time. Manuscript in preparation.

Chin, B. M., Banks, M.S., Nankivil, D., Roorda, A., and Cooper, E.A. (2025). Determining wavelength-in-focus during accommodation to polychromatic visual stimuli. Manuscript in preparation.

Conference presentations

Talks:

Chin, B. M., Banks, M.S., Nankivil, D., Roorda, A., and Cooper, E.A. (2023). Bringing color into focus: Dynamic accommodation responses to polychromatic stimuli. Presented at the *Optica Fall Vision Meeting*, Seattle WA, Oct 5-8, 2023.

Chin, B. M., and Burge, J. (2023). Interocular binding of chromatic signals across time. Presented at the *Annual Meeting of the Vision Sciences Society*, St. Petersburg FL, May 19-24, 2023.

Chin, B. M., and Burge, J. (2021). Perceptual consequences of interocular imbalances in temporal integration. Presented at the *Optica Fall Vision Meeting*, Seattle WA, Sept 30-Oct 3, 2021.

Chin, B. M., and Burge, J. (2017). Predicting human performance in a natural task with strongly constrained models of noise. Presented at the *Annual Meeting of the Vision Sciences Society*, St. Petersburg FL, May 19-24, 2017.

Posters:

Chin, B. M., Banks, M.S., Nankivil, D., Roorda, A., and Cooper, E.A. (2024). Bringing color into focus: accommodative state varies with the spectral content of light. Presented at the *Annual Meeting of the Vision Sciences Society*, St. Petersburg FL, May 17-22, 2024.

Chin, B. M., and Burge, J. (2019). Human sensitivity to task-relevant features in speed discrimination. Presented at the *Annual Meeting of the Vision Sciences Society*, St. Petersburg FL, May 17-22, 2019.

Chin, B. M., and Burge, J. (2018). A model grounded in natural scene statistics predicts human performance with both natural and artificial stimuli. Presented at the *Annual Meeting of the Vision Sciences Society*, St. Petersburg FL, May 18-23, 2018.

Chin, B. M., and Burge, J. (2016). Internal vs. external determinants of human speed discrimination with natural image movies. Presented at the *Annual Meeting of the Vision Sciences Society*, St. Petersburg FL, May 13-18, 2016.

Honors and Awards

- National Institutes of Health K99 Pathway to Independence Award, 2024
- Optica Young Investigator Award, 2023
- University of Pennsylvania Dean Scholar's Award, 2018
- Sigma Xi: The Scientific Research Honor Society, inducted 2015
- Psi Chi International Honor Society in Psychology, inducted 2014