



International Society of Hymenopterists Virtual Conference #Hymathon2025
4 Dec 2025 17:00 UTC

Keynote Speaker, Session #1



Dr. Amelia Lindsey
University of Minnesota

Microbe-mediated transitions in parasitoid sex

Amelia Lindsey is an Assistant Professor at the University of Minnesota. She completed a PhD with Richard Stouthamer at the University of California Riverside and was a postdoctoral researcher with Irene Newton at Indiana University prior to starting at UMN in 2020. Her research is focused on understanding transitions in reproductive biology, and the symbionts that interact with and drive such changes. Parasitoid wasps are particularly rich in vertically inherited bacterial symbionts that alter reproduction, and her lab uses a range of hymenopteran models in combination with genomics and cell biology to address questions about these processes. A major focus in the lab includes the *Wolbachia* symbionts that convert *Trichogramma*, *Leptopilina*, and many other parasitoid genera to asexual reproduction (specifically, thelytokous parthenogenesis).