

James Nieh

Professor, Section of Ecology, Behavior and Evolution at UC San Diego

La Jolla, CA, US

James Nieh's research focuses on bee communication and bee health.

Biography

Nieh was born in Taiwan, and grew up in Southern California. He received his B.A. at Harvard in 1991 and his Ph.D. from Cornell University in 1997. He subsequently received a NSF-NATO Postdoctoral fellowship to study at the University of Würzburg in Germany. After this, he received the prestigious Harvard Junior Fellowship. In 2000, he joined the faculty in the Division of Biological Sciences at UC San Diego where he is currently a professor in the Section of Ecology, Behavior, and Evolution. Nieh's interests focus on bee communication, cognition, and health. He studies many types of social bees, including honey bees, bumble bees, and stingless bees. His lab studies foraging and communication in honey bees and honey bee health. The research on honey bee health focuses on how pesticides alter honey bee behavior and learning, how a common pathogen, *Nosema ceranae*, infects bees and alters their behavior, how honey bee immunity can be boosted to fight *Nosema* infection, and how the bee gut microbiome may help is find new ways to counter *Nosema* infection.

Areas of Expertise

Honey Bees, Ecology, Beekeeping, Pesticides, Infection Control, Pathogens, *Nosema ceranae* infection, Predator Hornets and Impact on Bees

Education

Cornell University
Ph.D.

Harvard University
B.A.

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