

Insect Physiologist/Chemical Ecologist

Department of Entomology, Michigan State University

The Department of Entomology at Michigan State University (MSU) invites applications for a tenure-system position (9 months) in insect physiology/chemical ecology at the Assistant Professor rank. We seek candidates with expertise in the area of insect physiology or chemical ecology, and experience and interest in using molecular and genomic approaches to address fundamental questions in model insects, disease vectors, agriculture or urban pests.

The MSU Department of Entomology is a vibrant, growing, internationally recognized department committed to interdisciplinary research, teaching and extension at local, regional, national and international levels. Our programs encompass basic and applied research on insects in diverse systems including agricultural/forestry, medical/veterinary, aquatic and other ecosystems. The successful candidate is expected to develop a nationally and internationally recognized research program that will strengthen and complement the current programs in the department. Areas of interest include, but are not limited to, insect/microbe interactions, sensory neurophysiology and behavior, plant/insect/parasite tritrophic interactions, feeding and reproductive behaviors, and evolution of physiological processes, ideally synthesizing approaches across molecular, cellular and/or whole organismal levels. The Department of Entomology includes 30 faculty, 40 graduate students, and 30 undergraduate majors and minors, with diverse interests spanning the spectrum from applied to fundamental studies.

Responsibilities

The position includes research (75%) and teaching (25%). The successful candidate will be expected to develop a nationally and internationally recognized research program supported by competitive external funding, to publish high impact research, and to effectively mentor graduate/undergraduate students. A collaborative and multidisciplinary approach to solving important emerging problems with other scientists is expected. The successful candidate will teach an annual graduate-level course on insect physiology or chemical ecology rotated with an additional graduate or seminar course on a biennial basis. He/she is also expected to be active in departmental and university service, and professional activities and outreach.

Qualifications

Applicants must have a Ph.D. in Entomology or a related discipline and a strong track record of accomplishments. Demonstrated training and expertise in integrative approaches (from molecules to behavior/from genes to functional genomics) in insect physiology or chemical ecology is required. Applications should also have a record of scholarly activities in their field demonstrated by peer-reviewed publications and gaining funding for their research. Postdoctoral experience and experience in teaching in a classroom setting are preferred.

Applications

Review of applications will begin March 1, 2016 and continue until a suitable candidate is selected. Applicants should submit a single PDF document that includes 1) a cover letter explaining their interest and suitability for the position, 2) curriculum vitae, 3) a statement of research experience and future directions (2 pages), 4) a statement of teaching experience and approach (1 page), and 5) names and contact information of three professional references. Applicants can apply for this position at <http://jobs.msu.edu/> (posting #2666). Inquiries can be directed to Dr. Ke Dong, Search Committee Chair, by email (dongk@msu.edu).

MSU is an affirmative action, equal opportunity employer. MSU is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.