The Center for Integrative Toxicology (CIT) at Michigan State University has an excellent toxicology training program with numerous productive faculty experienced in research and post-graduate education. Faculty research programs employ modern technologies at the molecular, genomic, cellular and in vivo levels to explore mechanisms by which toxicants cause tissue injury. Areas of interest include cell signaling, molecular targets, immune/inflammatory responses, gene-environment interactions, susceptibility factors, control of gene expression, hemostasis, and endocrine disruption. Research encompasses numerous organ systems, including neuronal, respiratory, hepatic, cardiovascular, and immune tissues. Toxic agents of interest include air pollutants (particulate matter, ozone, mycotoxins), water and food contaminants (plant and microbial toxins, metals, chlorinated hydrocarbons, etc.) and drugs. The toxicology faculty at MSU collaborate extensively with each other and with colleagues at other academic, governmental and industrial institutions, providing opportunities for trainees to engage in collaborative research that broadens investigative and networking horizons.

This position is supported by a National Institute for Environmental Health Sciences training grant and is limited to applicants who are US citizens or permanent residents. Information about the CIT and its programs and faculty is available at www.cit.msu.edu. Applicants are encouraged to include in their applications the names of potential MSU Training Grant Trainers whose research interests fit with theirs (please visit www.cit.msu.edu/Graduate Program/NIEHS.html for a list of trainers). Questions and applications should be directed to Kasey Baldwin, Center for Integrative Toxicology, Food Safety Toxicology Bldg, 1129 Farm Lane Room 165C, East Lansing, MI 48824 or by email to kbaldwin@msu.edu (phone 517-353-6469). Applications should include curriculum vitae, a short description of research interests, training & experience, career goals and 3 references.