

## **Programmatic Competencies for the PhD in Occupational and Environmental Health**

- Exhaustively search and critically review the scientific literature in a chosen area of occupational and environmental health;
- Formulate, testable scientific hypotheses;
- Design studies to test scientific hypotheses or otherwise produce meaningful findings;
- Use, and if appropriate, to develop valid tools to collect and interpret data;
- Demonstrate understanding of the chosen area of specialization within occupational and environmental health;
- Recognize the limits of ones own knowledge, and demonstrate the ability to seek and implement advice or collaboration as necessary;
- Understand the responsible conduct of research, including data acquisition, management, sharing and ownership; mentor/student responsibilities; publication practices and responsible authorship; peer review; collaborative science; research misconduct; conflict of interest, and protection of human subjects and of animals in research
- Communicate research to scientific peers accurately and in a professional manner; and
- Convey broad knowledge of occupational and environmental health in an educational setting.