Infectious disease outbreaks and events that compromise food safety can lead to substantial economic and social costs. Effective prevention and mitigation requires a coordinated effort by a diverse team spanning disciplines and borders. Working together, scientists, health care professionals and policy specialists can develop evidence-based practices and policies that optimize human, animal and environmental health and food safety.

ITraP is an exciting initiative that offers new opportunities to graduate students interested in interdisciplinary team science and One Health approaches to complex issues.

**Our Goal** is to train highly qualified personnel who will reduce the medical, economic and social impacts of outbreaks for people, industries and the public sector. Our program is also designed to enhance One Health research momentum.

**Our Partners** include Freie Universität (Berlin, Germany), GADVAS University (Ludhiana, India) and students based worldwide who participate by video conference. By bringing together a diversity of perspectives, cultures and experiences, ITraP generates the strong international connections crucial in the response to global health challenges.

Program collaborators include international partners in academia, industry and government. This facilitates a broad learning environment to students who wish to conduct part of their training in a different part of the world or gain experience outside academia.
Program Curriculum

Coursework

ONEH 800: Principles and Practice of One Health.
In this problem-based learning course, students work in collaborative teams on current One Health case studies. This process involves learning to define the problem, apply analytic tools and frameworks to devise solutions, assess feasibility and recommend policy-oriented approaches to real-world problems at the human-animal-environment interface. Held January-April.

ONEH 801: Seminar in Advanced Applications of One Health Problem Solving. Interdisciplinary pairs hone problem-solving and decision-making skills to self-selected One Health problems. Students learn how to integrate scientific information and synthesize knowledge to raise new questions, ultimately presenting a seminar and participating in a moderated discussion on the topic. Held May-June.

Summer School
A week-long summer school held at one of our partner institutions brings together international ITraP students for an exciting week of intensive group work, engaging activities and diverse guest speakers. Activities include media and crisis communication training, career and leadership workshops, team science symposiums and a letter of intent competition, among others.

Externship
Externship placements with a government, industry or academic institution help students find new applications for their area of study. New, challenging work in a One Health context widens experiences of problem-solving, decision-making and policy development. Placements are arranged by the student with support from the ITraP program coordinator.

Funding
Scholarships are available to eligible students as a supplement to current funding. More details and eligibility criteria are available on our website.

Who Should Apply?

Current or prospective thesis-based graduate students who wish to develop a broad understanding of One Health, infectious disease mitigation and food safety.

Students will be selected based on their demonstrated skills and experience in:

- Academic excellence
- Leadership
- Strategic planning
- System thinking
- Management
- Communication
- Collaboration
- Potential for contributing to the program’s success.

Application Deadline

Apply now for the 2017 ITraP program!

Deadline: September 15, 2016

For more information, contact:
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