Introduction to
School of Health Sciences

Wei Zheng, Head
Faculty and Staff (2011-2012)

- **11 Faculty Members**

- **6 Courtesy Faculty Members**
  Handy, Hirsch, Nakayama, Poulson, Santerre, Schweitzer

- **3 Limited-Term Lecturers**
  Kirkham, Richard, Standerfer

- **3 Visiting Faculty and Research Scientists**
  Park, Jiang, Zhou

- **7 Affiliated Clinical Instructors**

- **23 Adjunct Faculty Members** (Purdue, IUSM, IUB and out state)

- **7 Emeritus faculty members**

- **6 Academic professional staff** (academic advisors, business manager, development officer, and graduate administrator)

- **5 Clerical and technical supporting staff**

- **4 Post-docs and technicians**

~ 20 research and teaching faculty and 15 staff members
~ 530-570 undergraduates, 30-35 graduate students
Who are we?

We are specialized in ...

- Health Physics (1942 with Christian)
- Environmental toxicology (1968 with Paustenbach)
- Occupational health (1981 with Zimmerman)
- Medical imaging science (2005 with Stantz/Liu)
What do we do?

Undergraduate Programs
• Pre-allied Health Sciences (Freeman, Cannon, Zheng, Zimmerman)
• Environmental Health (Rosenthal, Cannon, Freeman, Nie, Zheng)
• Occupational Health (Zimmerman, McGlothlin, Nie, Rosenthal)
• Radiological Health (Stantz, Dydak, Liu, Nie, Peng)
• Medical Laboratory Science (Tate, Cannon, Dydak, Stantz, Zheng)

Graduate Programs
• Environmental Health Sciences (Zheng, Cannon, Freeman, Nie, Rosenthal)
• Ind Hygiene/Occupational Health (Zimmerman, McGlothlin, Rosenthal)
• Imaging Sciences/Medical Physics (Stantz, Dydak, Liu, Nie, Paulson)
• Health Physics (Nie, Kirkham, Peng, Schweitzer)
• Toxicology (Zheng, Cannon, Dydak, Freeman, Rosenthal)

NIOSH Training Grant (Rosenthal)
NRC Training Grant (Nie, Schweitzer)
What makes us unique?

• Young, energetic, innovative, and productive faculty
• Mostly NIH fund-oriented research and therewith the sources of knowledge for graduate and undergraduate education
• Highly collaborative faculty in research and teaching
• Most courses focus on disease causes, prevention, diagnosis, and treatment, unique for pre-med, pre-dental and other pre-allied health professional programs
• Experienced counseling team on Purdue campus.

Kaylie Waltz, the 2011 Homecoming Queen majoring in GHS
## Mostly NIH-Funded Research Projects

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NIEHS: National Institute of Environmental Health Sciences; NCI: National Cancer Institute; NIOSH: National Institute of Occupational Safety Health; NINDS: National Institute of Neurological Diseases & Stroke; NIBIB: National Institute of Biomedical Imaging and Bioengineering; NRC: Nuclear Regulatory Commission
Our Goals: Sustainable Prominence

In Educational Excellence:

- To be one of the best pre-med and pre-professional programs in the nation
  - Undergraduate honors program (led by Dr. Freeman)
- To be one of the best environmental & occupational toxicology programs (under/graduate) in the world
  - ABET accredited Industrial Hygiene at both under/graduate levels
- To be one of the best medical imaging programs (under/graduate) in the nation
  - CAMPEP accreditation scheduled in Feb 27-28, 2012

In Research Excellence:

- To be one of the most competitive research programs in neurotoxicology and carcinogenesis in the world
- To be one of the most competitive medical imaging research programs in the world
Welcome Dr. Jason Cannon to HHS

- **Post/doc Fellow (2006-2011):**
  Pittsburgh Institute for Neurodegenerative Disease, University of Pittsburgh, Pittsburgh, PA
- **Ph.D., Toxicology (2006)**
  University of Michigan, Ann Arbor, MI
- **BS, Physiology (1998)**
  Michigan State University, East Lansing, MI

**Research Interests**
- Animal models of Parkinson’s disease (chemical-induced or transgenic)
- Environmental causes of neurodegenerative disorders (PD)
- Gene therapy in the rotenone model of PD

Jason Cannon, Ph.D.
Assistant Professor of Health Sciences
(Jan 3, 2012 - )