Career Opportunities in Regulatory Toxicology

Training in Regulatory Toxicology: understanding Opportunities and Present Day Challenges.

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* I have no conflicts to report

Table 5. Field of Highest Degree.

Field	Frequency	Percent
Biochemistry	56	4.71
Biomedical systems	14	1.18
Chemistry	19	1.60
Genetics	16	1.35
Human health medical	12	1.01
Molecular engineering	4	0.34
Pathology	132	11.10
Pharmacology	117	9.84
Physiology/biology/zoology	109	9.17
Public health	27	2.27
Toxicology	504	42.39
Veterinary medicine	57	4.79
Other	122	10.26

- Toxicology
  - Where are we trained
    - Medical schools
    - Pharmacy Schools
    - Public Health Schools
    - Veterinary Schools
  - Which Departments
    - Pharmacology and toxicology
    - Pathology
    - Environmental health

- Course work and research work related
- Didactic course work
  - Historical
    - basic science spread
      - Pathology , pharmacology biochemistry , physiology, statistics
      - Principles of toxicology, occupational toxicology, forensic toxicology
  - Current
    - Trend toward less course work, get in lab as soon as possible
- Research
  - Historical
    - Animal studies , biochemical approach, more general approach
  - Current
    - More molecular, very specific topics, more in vitro approaches , less animal studies
    - Driven in part by grant sources

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- Opportunities for increased regulatory exposure in your training
  - Basic epidemiology
  - Basic pathobiology/ pharmacology courses
  - Statistics
  - Risk assessment courses in school of public health
  - Basic Modeling
  - Continuing education
    - SOT
    - Online courses
    - Other, week

SOT Continuing Education

Fees Per Course**	
SOT Member	$75.00
Nonmember	$150.00
SOT Retired Member	$55.00
SOT Emeritus Member	$55.00
SOT Postdoctoral Member	FREE
Postdoctoral Nonmember*	$45.00
SOT Student Member	FREE
Student Nonmember*	$22.50
SOT Global Partner	$75.00

SR01	New Horizons in Chemical Carcinogenesis: Advances in Mode of Action and Mechanism of Cancer Pathogenesis	Basic	Book
AM02	An Introduction to the Exposome	Basic	Book
AM03	Demystifying Mixtures: From Study Design Selection to Risk Assessment Application	Basic	Book
AM04	Safety Evaluation of CNS Administered Therapeutics—Study Design, Dose Routes, and Data Interpretation	Basic	Book
AM05	The Future of Developmental and Reproductive Toxicology—Building a Bridge to the Animal Free Zone	Advanced	Book
AM06	The New World of Cancer Immunotherapy: Challenges in Bench to Bedside Translation	Basic	Book
AM07	Toxicology and Regulatory Considerations for Combination Products	Basic	Book
PM08	Advances in Safety Assessment of Medical Devices	Basic	Book
PM09	Interpretation of Cardiovascular Safety Data in Toxicology Studies	Advanced	Book
PM10	Is Synthetic Biology the Future of Toxicology?	Advanced	Book
PM11	Skeletal System Endocrinology and Toxicology	Basic/CME	Book
PM12	Strategies in Investigative Toxicology in a Pharmaceutical Setting	Basic	Book
PM13	Toxicogenomics Meets Regulatory Decision-Making: How to Get Past Heat Maps, Network/Pathway Diagrams, and “Favorite” Genes	Advanced	Book