Post-PharmD Pharmaceutical Industry Fellowship Program Development

Department of Pharmacy and Health System Sciences, School of Pharmacy

Background & Significance

- Two-year fellowship designed to advance education and training of Doctor of Pharmacy (PharmD) graduates in various clinical and commercial areas of pharmaceutical industry
- Collaboration between Northeastern University and biopharmaceutical industry partners.
  - Fully supported financially by industry partners
- Supports pharmaceutical industry functions involving drug development, approval, clinical use, and marketing as they relate to translational contributions to health and wellness of society, both locally and globally
- School of Pharmacy (SOP) provides a dynamic academic environment to guide and support fellows toward successful careers in the biopharmaceutical industry.
- Fellows gain experience in teaching and learning, research and scholarly inquiry, and professional development through interactions with multiple people during the fellowship

Objectives

As Affiliate Clinical Instructors in the SOP fellows:
- Complete the Teaching and Learning Certificate Program
- Teach/facilitate courses, seminars and laboratories, and experiential learning for pharmacy students
- Engage & disseminate scholarship
- Participate in professional development activities

Industry Partners

Two Year Fellowships by Functional Area
- Medical Affairs, Medical Information, Medical Education & Training
- Health economics and outcomes research
- Regulatory Affairs
- US Commercial
- Pharmacovigilance
- Drug Development
- Clinical Pharmacology

Fellow Academic Engagement

Teaching
- Teaching & Learning Seminar year 1
- 2-3 Teaching assignments
- Facilitation of small groups, seminar, and/or practice skills lab, electives

Service
- Admissions Support
- Recruitment for post grad programs
- Fellowship Committees

Creative Activities

Scholarly Projects
- 1-2 University-based or industry collaborations research projects
- National meeting poster presentation expectation
- Publication strongly encouraged
- IRB Human Subject Online Training

Results

- Faculty Engagement
  - Growing faculty involvement in post-graduate training
  - Seven faculty involved starting July 2020
  - Enhanced support for faculty
- Teaching Support
- Grant Support
  - Expanding grant support from the department
  - Budgets for 2020 start will exceed $4.6 million

Program Growth

- Recruiting 21 fellows for July 2020 start
- Grants support a program manager professional staff member

Strategic Partnerships

- University goals for partnerships are being achieved
- Innovation and Collaboration
- Areas of Research in partner Companies
  - Oncology, Orthopedic Medicine, Cystic Fibrosis
  - Mental Health
  - Cardio-metabolic, Central Nervous System (CNS) and Ocular Diseases
  - Rare Diseases

Discussion

- Industry training partnerships provide avenues for achieving numerous goals:
  - Enhancing teaching
  - Enhancing scholarship
  - Enhancing service support
  - Creating dynamic collaborations with companies with global impact consistent with Northeastern 2020
  - Engaging the biopharmaceutical industry in the Boston area
  - Developing a network of new Northeastern alumni in a high impact industry
  - Supporting faculty and staff in Bouvé College of Health Sciences
  - Faculty development
  - Meeting funding goals for Bouvé College of Health Sciences

Keywords: Post-graduate training, Pharmaceutical industry, Collaboration

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