

# The Food and Drug Administration: Training Opportunities

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# Outline

- Background (Mission, Scientific Activities, Scientists)
- Training, Developing and Retaining Scientists at FDA

# The FDA's Mission:

To Protect and Promote the Public Health

- A consumer protection agency
- A regulatory agency



# What does FDA do?

- Assure the safety, effectiveness and security of human and veterinary drugs, vaccines and other biological products, medical devices, our food supply, cosmetics and radiation-emitting devices
- Regulate tobacco products
- Advance Public Health
  - By helping speed innovations that make products more effective, safer and more affordable
  - Help the public get accurate, science based information about these products

# How does FDA Work?

- New product review and pre-market approval
- Monitoring
  - Safe manufacturing
  - Safe handling
  - New risks
- Enforcement/Compliance
- Research
- Policy

# Who Works at FDA?

- Social and Behavioral Scientists
- Biologists
- Medical and Public Health Staff
- Veterinary Medical Staff
- Engineers
- Physical Scientists
- Math and Statistical Scientists



# How does FDA Develop and Retain Scientists?

- Training programs for students and fellows
- Development of FDA scientists
- Retaining scientists



# What Student Training Programs Does FDA Sponsor?

- Students Programs - Examples
  - Volunteer
    - FDA Regulatory Science Student Internship – All Centers
    - CDER Experiential Pharmacy Program
  - Paid Programs
    - ORISE Research Participation Program for Students – all Centers
    - CDRH Student Internship
    - CVM Veterinary Clerkship
    - JIFSAN Student Internship
    - NCTR Science Student Internship

<https://www.fda.gov/AboutFDA/WorkingatFDA/FellowshipInternshipGraduateFacultyPrograms/ucm395746.htm>



# What are FDA's Fellowship Training Programs?

- Post-Graduate Fellowship Programs - Examples
  - Agency-wide
    - FDA Service Fellowship Plan
    - FDA Commissioner's Fellowship Program
    - ORISE Research Participation Program
    - FDA – NCI/NIH Inter Agency Oncology Task Force Fellowship Program
  - Center
    - CDRH Medical Device Fellowship
    - CTP Regulatory Science Fellowship

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# How Does FDA Develop Scientists?

- Orientation
- Mentoring
- Keeping up to date
  - Seminars, Workshops, Courses & Conferences



# What Education Does FDA Offer to Scientists Outside FDA?

- FDA resources on internet  
<https://www.fda.gov/Training/default.htm>
- FDA Sponsored Conferences and Workshops  
<https://www.fda.gov/NewsEvents/MeetingsConferencesWorkshops/default.htm>
- FDA Grand Rounds
- FDA Invited Speakers



# What Programs Does FDA have to Retain Scientists?

- Peer Review Program
  - Agency – Medical Officer and Regulatory Review
  - Research
  - Master Reviewer
- Senior Biomedical Research and Biomedical Product Assessment Program
- Scientific Achievement Awards

