

Introduction to the NYU Science Training Enhancement Program (NYU-STEP)

Fall 2013

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What is NYU-STEP?

- Career enhancement training for PhD students and Postdoctoral fellows in Basic Medical Sciences, Biology, Chemistry & Neural Sciences departments
- NIH funded 5 year program
- Starting September, 2013

- Phase 1: Career Exploration and Planning
- Phase 2: General Competency Development and Career-specific Skill Building
- Phase 3: Career Transition and Outcome Tracking



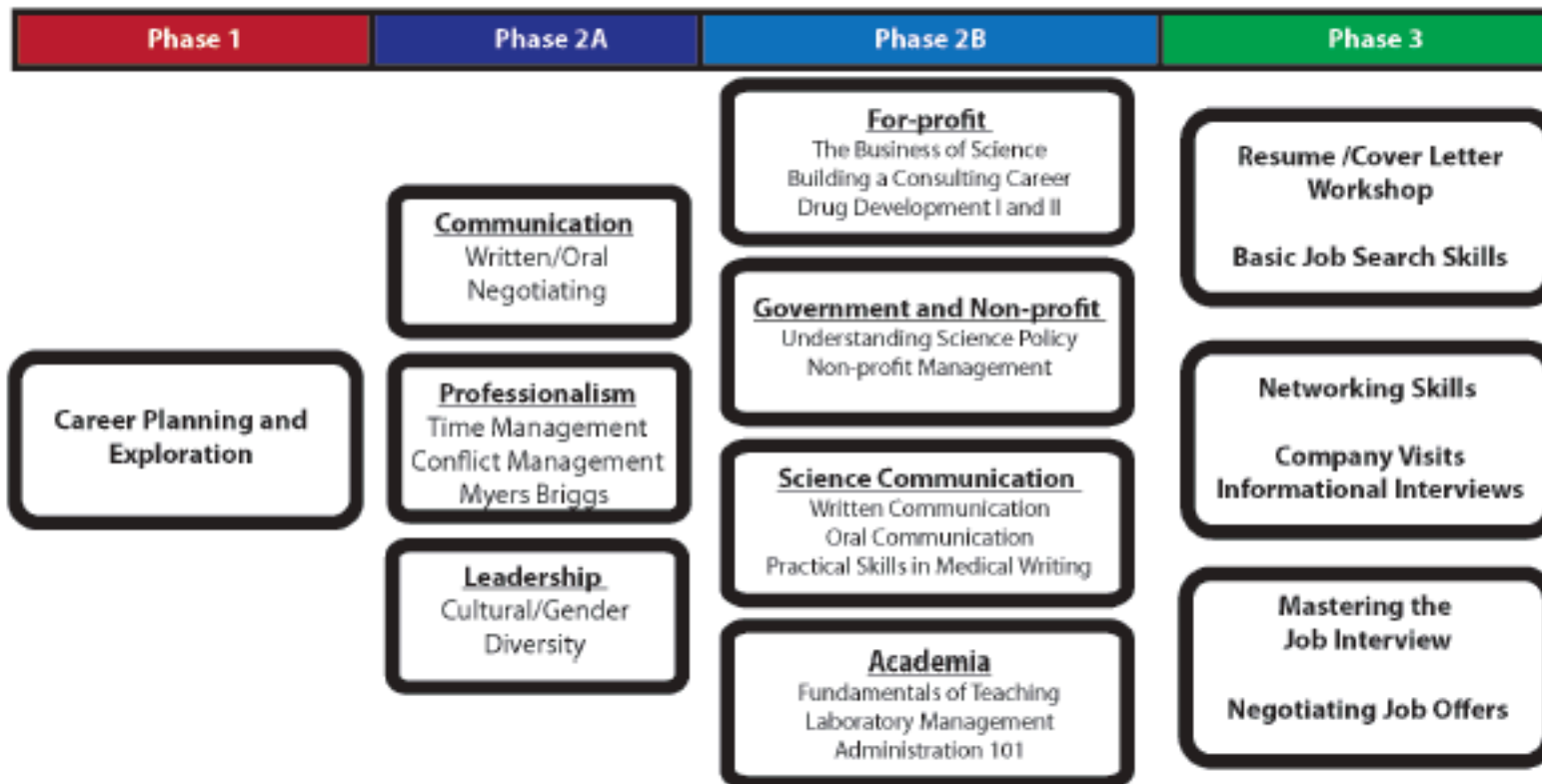
Figure 1: NYU-STEP's progressive model for career development.

What are your career goals ?

- Tenure Track faculty member?
- NGO/not-for-profit/Government position?
- For profit sector?
- Communications?
- Pure Teaching?
- Something else?

NYU-STEP offerings

- Start with 10-week course
 - My Individual Development Plan (MyIDP)
- 4 Tracks:
 - For Profit, Government/Non-profit, Communication, Academia
- Develop skills throughout program
- Workshops, Seminars, Lectures
- Network
- Connect to Employers
- Give back to program by sharing your new skills and experience to future students & PDs



ASSESSMENT ACTIVITIES			
Phase 1	Phase 2A	Phase 2B	Phase 3
Attitudinal Survey Knowledge Assessment Needs Assessment Career Preference Survey	Attitudinal Survey Skills Assessment	Career Preference Survey Knowledge Assessment Skills Assessment Course Evaluation	Attitudinal Survey Knowledge Assessment Skills Assessment Exit Interview Alumni Survey

Career Tracks

For Profit	Non-Profit and Government	Science Communications	Academia
Pharma and Biotech Research Biotech service industries Sequencing/Synthesis Antibody Production Informatics Consulting Law Technology Transfer Patent Intellectual Property Entrepreneurship Non-Research Careers Administration Project Management Regulatory Affairs Compliance Tech support; QC; Manufacturing Communications	Research Careers NIH NSF Non-Profit Research Scientific Review Officer Program Officer Professional Societies Advocacy/Lobbying Educational Outreach NGO Patient Liaison Educator Policy Research Administration FDA CDC WHO State and Local Government	Medical Writing Grant Writing Continuing Medical Education Medical Science Liaison Freelance Writing Academic Publishing & Editing Science Journalism	Teaching faculty Higher Ed Primary/Secondary Schools Adult Education Non-faculty research Core Facility Director Laboratory Manager Research Manager Administration Science Research Administration Grants Administration Office of Compliance Technology Transfer Graduate Program Director Postdoctoral Program Director Research faculty

General Skill Development (part 1)

- Time Management
- Conflict Management
- Communication
 - NYU Science Communication Workshop
 - Oral Presentations
 - Communication to non-expert audiences
 - Writing skills

General Skills (part 2)

- Professionalism
 - Myers-Briggs Temperament Indicator
 - Professional Communication skills
 - Negotiation skills
- Diversity for excellence
- Networking skills
- Creativity skills

Career-specific Skill Building

For-Profit Careers

1. The Business of Science (developed in partnership with SciPhD, Regeneron Pharmaceuticals, and IBM)
2. Building a Consulting Career (developed in partnership with Boston Strategic Partners)
3. Drug Development I and II (provided by faculty at NYULMC CTSI)

Non-profit and Government

1. Understanding Science Policy
2. Management of Non-profit organizations

Communications

1. Practical Skills in Medical Writing (developed in partnership with McCann Complete Medical)
2. Written Communication (developed in partnership with Janet Kayfetz)
3. Oral Communication

Academia

1. Fundamentals of Teaching
2. Laboratory Management
3. Administration 101

Evaluation of Program

- At every stage we will be evaluating the efficacy of the program
- We will be following your interests and achievements
- IRB-approved study with Informed Consent to participate

First Washington Sq 10 week course

- Begins Fall, 2013
 - 1-2:30pm Friday afternoons, 1003 Silver Ctr
 - Principally for postdocs and $\geq 3^{\text{rd}}$ yr PhD students
- Goal to enroll all 2nd year PhD students for Spring 2014 course
 - 1 credit Course in the process of Grad Curriculum Committee review
- Will be offered annually each Fall and Spring on both campuses

Participating Organizations

- **Many NYU Resources**
 - Writing skills: Stephen Hall, Janet Kayfetz; NYU Venture Fund Office of Industrial Liaison; Wasserman Center; Communication: Mary Mitchell; Office of Development and Learning
- **Not-for-Profit & Government**
 - NYAS, National Kidney Fdn, CDC and other agencies
- **For Profit**
 - IBM, DuPont, Functional Genetics, Regeneron Pharmaceuticals, Boston Strategic Partners, McCann Complete Medical, MaryAnn Liebert Publishers

How to learn more

- Web site being built
- **Christine Ponder**
 - Assoc Dir WS Postdoc Office
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