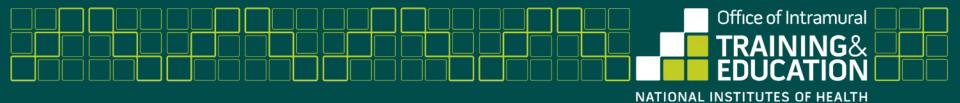
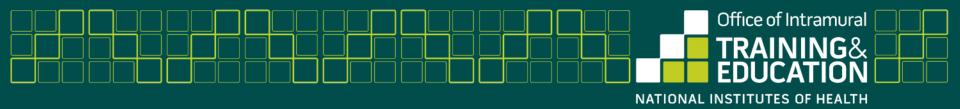
OITE presentations for GRAD/Prof School Fair

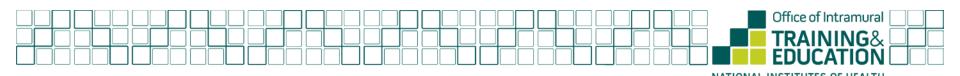
July 16, 2014



A Master's Degree: Will It Get You Where You Want to Go?

Phil Ryan Director of Student Services, GPP NIH OITE Shauna Clark Director, NIH Academy NIH OITE





Why we have this workshop

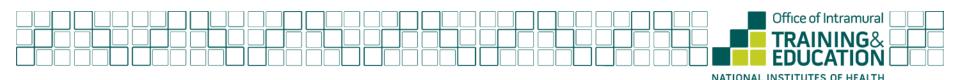
- "Students who expect more prestigious jobs are more likely to attain higher levels of education"
- "...more than two-thirds reported they had received as much information as they needed about graduate school before enrolling."
- "However, only slightly more than one-third felt they had received as much information as needed to understand their career options prior to entering graduate school."
- How can you know enough to decide on a terminal degree, if you don't know what jobs/careers are available with that degree?
 - -Pathways Through Graduate School and Into Careers (2012)



Deciding on Graduate School



Modified from To Boldly Go by Peter Fiske, who borrowed from Stanford Career Center

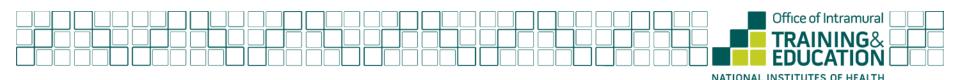


Masters vs PhD

- Designed around the Market
- 1-2 Years
- Classmates often
 Career Professionals
- Ceiling

- Designed around discovery
- 4-7 Years
- Classmates are dedicated researchers

Floor



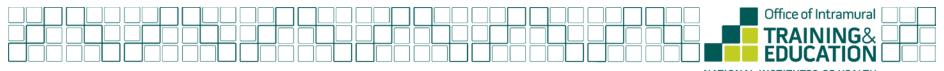
Different types of Masters

M.S. – Field

- Virology, Biochemistry, etc.
- Knowledge driven

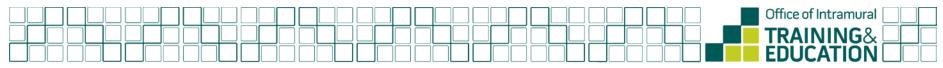
M.S. – Specialty/Professional Science Masters

- Biotechnology, Bioinformatics, Regulatory Affairs, etc.
- Skills driven
- Post-PhD Masters Programs
- Professional Masters
 - □ MPH, MPA, etc.
 - Combination of both



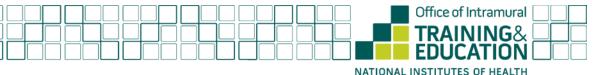
Preparation is critical

- Self-assessment (what do I like)
- Exploration (what is out there)
- Focusing (what do I need to be competitive)
- Deciding



Know thyself...

- What do I want from my life and work?
- What motivates me to excel and what is success for me?
- What do I love to do, e.g. activities, hobbies, subjects, book topics?
- What are my personal traits, motivational drivers and needs?
- What is most important to me e.g. achievement, salary, creativity, helping others?
- What do I do well and which skills do I most like to use?



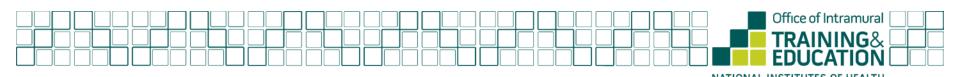
Things to Consider – Self assessment

- What field do you want to go into?
 - Biomedical engineering
 - Microbiology
 - Medicine
- What sector do you want to go into?
 - Academia
 - Pharmaceuticals
 - Biotechnology
 - Venture Capital
- What is going on in those sectors?



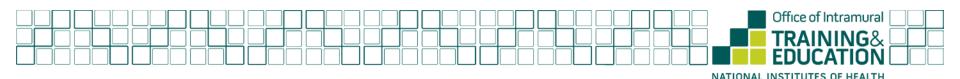
Things to Consider - Exploration

- What is the terminal job you want?
 - Working at the bench your whole career?
 - Leading a team? A group? A department?
 - Will having a masters hold you back?
- Will having a PhD be too much or Master not be enough?
 - If you want to be a Professor, get a PhD
 - If you want to lead a department a PhD will help



Questions for Exploration

- What types of jobs are out there that interest you?
 - Guidance counselor
 - Career counselor
 - Search Job sites
- What types of jobs do master's and doctoral degree holders have? Do they differ? How?
 - Entry level positions for each
 - Mid-career positions
 - End of career positions
- Who can/should you talk ask these questions?



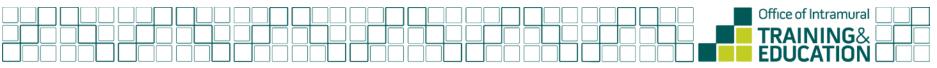
Things to Consider - Focusing

- Will having a PhD be too much or Master not be enough?
- Cost/Benefit ratios
 - Time
 - Money
 - Quality of life early and late career
- Location, Location, Location
- You have time.



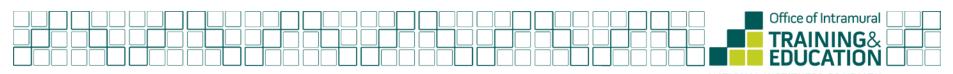
Questions for focusing

- Will earning a doctoral degree offer a substantial benefit in your employment and advancement opportunities?
 - Some professions require a PhD
 - Some jobs won't hire PhDs
- How much will each degree cost? How much will you earn after obtaining each degree? Is the outcome worth the cost? (Return on Investment – ROI)
- Are you interested enough to pursue many years of schooling?



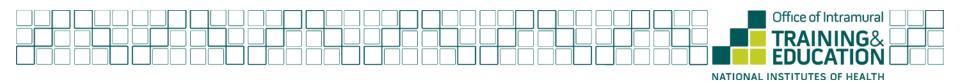
Other Things to Consider

- Institutional quality
 - A PhD is a PhD
 - Not all Master's degrees are the same
- Tuition cost
 - Master's are less likely to have financial support
- Length of Program
 - 1-2 years for most Masters
 - 5-7 years for most PhDs (although will probably shorten)

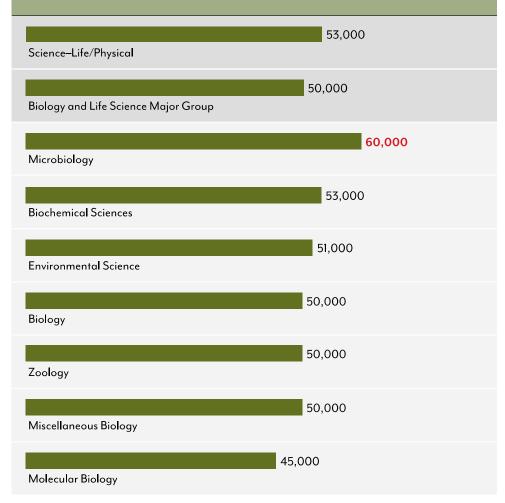


Return on Investment

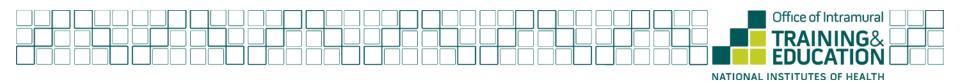
- Debt incurred vs Economic outlook
 - Most schools will publish the average debt with which their students finish
 - The field makes a HUGE difference on whether it is worth it
- Rule of Thumb
 - □ The debt should not exceed the starting salary



MEDIAN EARNINGS OF BIOLOGY AND LIFE SCIENCE MAJOR GROUP*



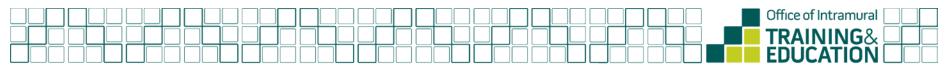
* Full-time, full-year workers with a terminal Bachelor's.



MEDIAN EARNINGS BY MAJOR GROUP* 75,000 99,000 Engineering 70,000 89,000 Computers and Mathematics 60,000 80,000 Business 60,000 80,000 Health 59,000 90,000 **Physical Sciences** 55,000 85,000 Social Science 50,000 70,000 Agriculture and Natural Resources 50,000 85,000 **Biology and Life Science** 42,000 60.000 Psychology and Social Work Median Earnings for those with only a Bachelor's Degree * Full-time, full-year workers with a terminal Bachelor's. Median Earnings with Graduate Degree

In 2009, median salary of master's recipients was ~25% more than colleagues with only a bachelor's degree

Modified from http://cew.georgetown.edu/whatsitworth/



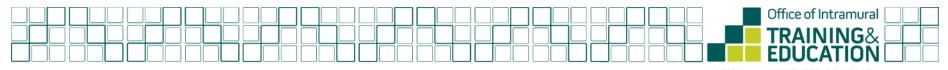
Return on Investment

Time

- A PhD delays entry to workforce
- □ In a lot of fields, experience trumps education
- In a lot of fields, you get promoted faster and further with a PhD

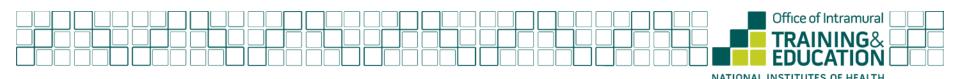
Passion

- If the knowledge and discovery and love of learning is driving you, then the other factors matter less
- "Real life" does not begin when you are done with school and get a "real" job.



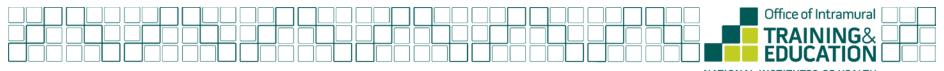
Research Scientist

- Bachelors or Masters degree in Molecular Biology, Genetics or related field
- Pay rate: \$50K to \$65K



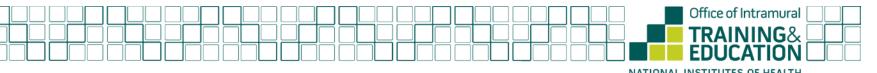
Research Scientist

- Bachelor's degree in in an appropriate scientific field is required, Master's or PhD is preferred.
- Five (5) years of experience with bench level science work required.
- Salary commensurate with experience



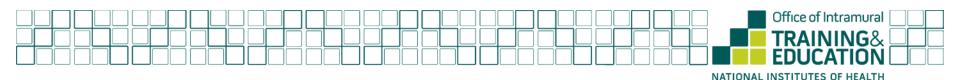
Instructor – Community College

- Minimum of a masters degree in microbiology or appropriately related field from a regionally accredited institution of higher education.
- Evidence of substantial coursework in microbiology at the bachelors, masters or doctoral level.
- Experience in teaching undergraduate science courses with laboratory components. Experience in community college science teaching preferred.



Account Manager - Biomedical

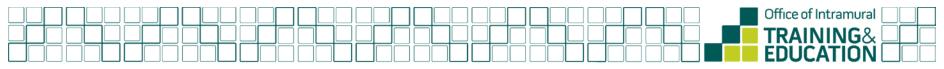
- responsible for securing new accounts and managing current pharmaceutical, academic and OEM accounts.
- responsible for day to day communications, developing account specific pricing models, and contract negotiation.
- Job Requirements:
 - Bachelor's or Masters degree in cell biology, biochemistry or related field is required.
 - 2+ years relevant experience managing key accounts is required with in the Bio-Med or Bio-Pharma industry.
- Salary \$70K plus bonuses



Manager, CMF Customized Implants

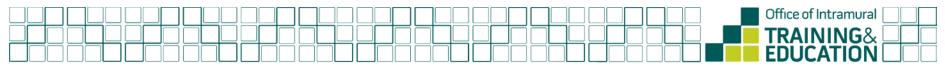
- Qualifications/Work Experience: 5+ years of product development experience in the medical device industry or equivalent
- Education: Bachelor degree in Mechanical or Biomedical Engineering, Science, or a related field of study.

Prefer Masters degree in a technical or management discipline.



Project Manager

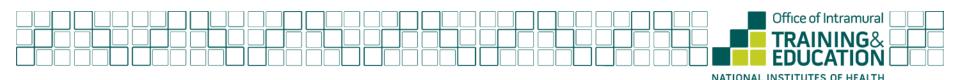
- Prefer 3+ years of experience in... with a Bachelors degree and 2+ years required with a Masters degree
- Prefer Masters Degree
- Salary commensurate with experience



Project Manager

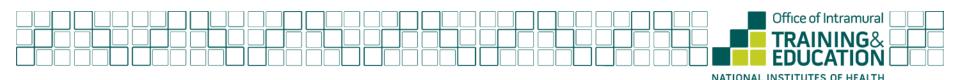
EDUCATION & PROFESSIONAL EXPERIENCE

- PhD, Masters, RN or Bachelor's Degree with a minimum of five years Oncology-based MSL experience
- Five years minimum experience in the oncologyrelated pharmaceutical



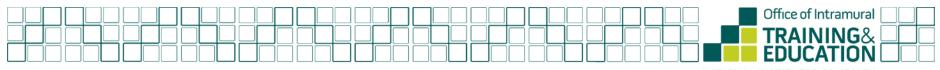
Staff Development Scientist

- Bachelor's degree in chemistry, immunology, cell biology, or related field with 9+ years relevant experience OR
- Master's degree in chemistry, immunology, cell biology, or related field with 7+ years relevant experience OR
- Doctoral degree in chemistry, immunology, cell biology, or related field with 4+ years relevant experience.



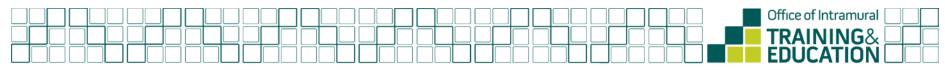
Senior R & D Manager

- Qualifications Requirements include: Masters in ...PhD preferred.
- Minimum of 7 years experience (for MS) or 5 years experience (for PhD) in the medical device industry in R&D.
- Salary Commensurate with experience



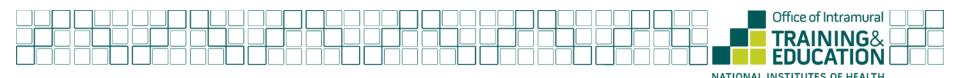
Summary

- Step one Know thyself
- Step two Explore your options
- Step three Focus on where you want to go
- Step four Decide what the next step is...
 You can always change directions later



You Have Time

Really...you do!

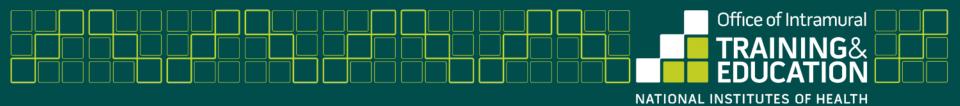


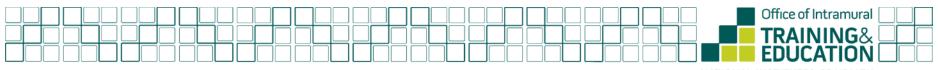
More resources

- Join our Listserv to get info while you are not at the NIH
 - □ Go to <u>www.training.nih.gov</u> to sign up.
- Connect with me on Linked-In and join the NIH Intramural Science Linked-In group
- Watch previous OITE career workshops, including many on CVs, resumes and cover letters
- Read the OITE Careers blog
- Join the OITE NIH Training Alumni database if you are/were a student or fellow here
- Email me at conlanlo@mail.nih.gov

PLANNING AHEAD: Non-Bench Careers – Expanding Your Options

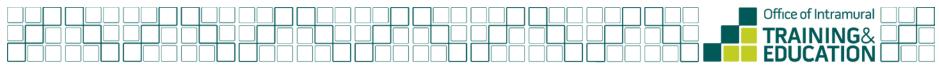
Amanda Dumsch Career Counselor, NIH OITE





"He who fails to plan is planning to fail."

--Winston Churchill



Creating Your Plan (What is a PDP/IDP?)

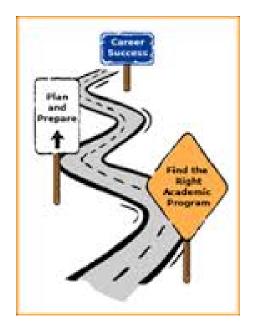
A Professional Development Plan (PDP) or Individual Development Plan (IDP) is a highly personalized written document which is used to help an individual evaluate and prioritize their professional activities and goals.

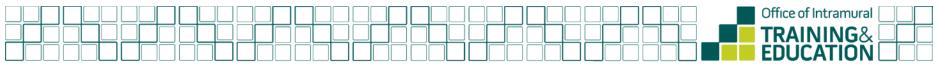




Why should you have one?

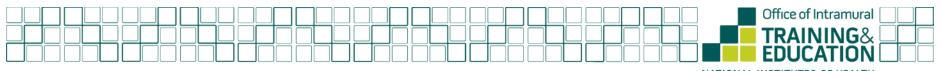
- Career Roadmap
- Tangible Tool
- Future Reference
- Visual Outline
- Structured Timeline





How Can I Create My Plan?

- You can create a PDP/IDP in five steps:
 - Step #1: Self-Analysis
 - Step #2: Goal Setting
 - Step #3: Research
 - Step #4: Decision-Making
 - Step #5: Action Items
 - Will only focus on Steps 1-3 today

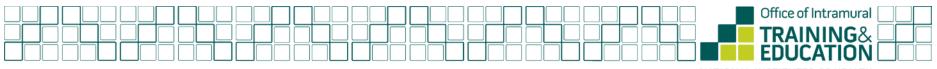


STEP #1: Self-Analysis

Assess your SVI:

Skills

- Analytical, Communication, Leadership, etc.
- Values
 - Helping people, Making a profit, Autonomy
- Interests
 - Science, Arts, Languages, Mechanics, etc.
- Analyze your:
 - Strengths
 - Weaknesses

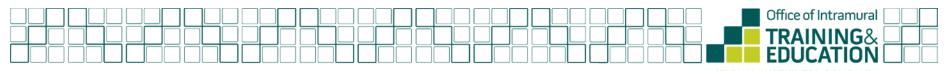


Self-Analysis Resources

Talk with:

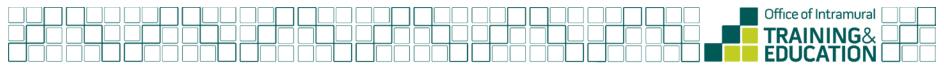
- Mentors
- Colleagues and friends
- Career counselors
- Reflect on classes, internships, experiences
- Do Self-Assessments:
 - Myers Briggs
 - Strong Interest Inventory
 - The Self Directed Search
 - My NextMove.org * free Free online interest profiler tool

Career Values Test * Free online at: <u>http://stewartcoopercoon.com/jobsearch/career-values/</u>



STEP #2: Goal Setting

- After looking at where you are, look at where you want to go:
 - 1 Year
 - 3 Years
 - 5 Years
 - 10 Years



SMART Goals

Set goals that are:

Example:

- □ **S**pecific
- □ **A**ttainable
- □ **R**ealistic
- □ **T**imely

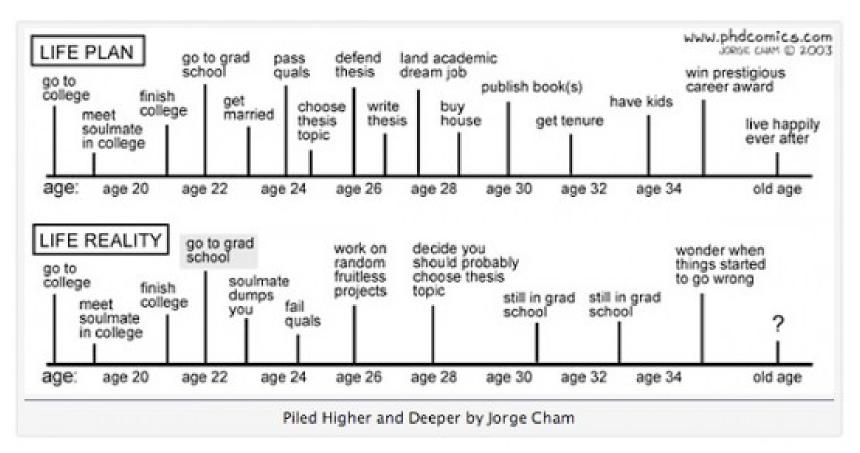
"Lobby for more locally grown food in the dining halls."

Or:

"Collect 1,000 petition signatures from students, sit down and meet with the cafeteria manager, sit down with the student body president, present research to administrators on the costs and benefits, and discuss vending possibilities with local farmers and growers in order to serve more locally grown food in the dining halls by start of new academic year."



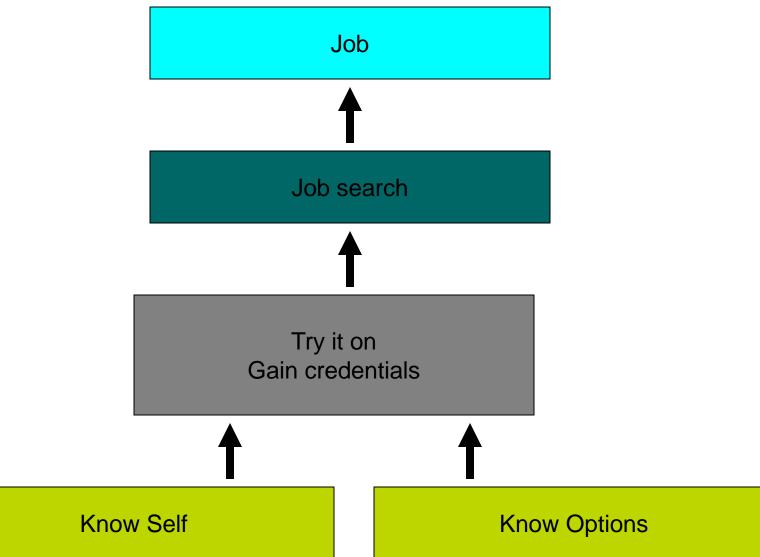
Manage Your Expectations

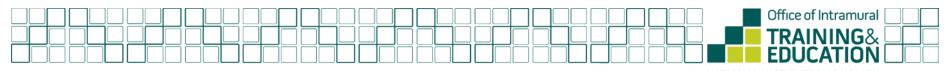


PhD Comic by Jorge Cham of "Piled Higher and Deeper"



Cycle Review: Career Planning





STEP #3: Research

- Identify the skills you need to get where you want to go
 Hard skills, soft skills, certifications, degrees
- How do you find this out?
 - Read books
 - Read blogs and websites
 - Talk with mentors, colleagues and friends
 - Attend career workshops and symposia
 - Do INFORMATIONAL INTERVIEWS



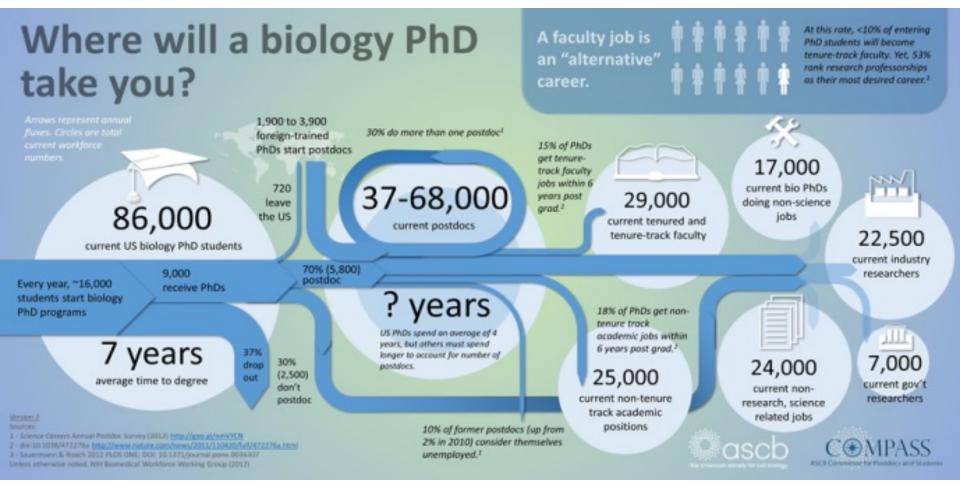
Research - Books & Websites BOOKS:

- Alternative Careers in Science by Robbins-Roth
- Career Opportunities in Biotech and Drug Development by Freedman
- Put Your Science to Work by Fiske
- So What Are You Going to Do With That? By Bassala and Debelius

WEBSITES:

- OITE "How to Series"
 - https://www.training.nih.gov/oite_videocasts
- ScienceCareers.orgs Columns, Forums & Planning Tools
 - MyIDP.ScienceCareers.org
- Bureau of Labor Statistics Occupational Outlook Handbook
 - http://www.bls.gov/ooh/
- □ Forbes, Washingtonian, US News & Money Reports

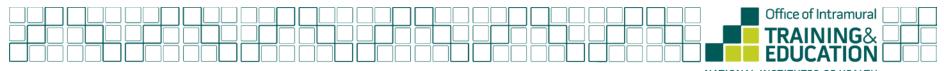




Graphic Courtesy of American Society for Cell Biology on Science Careers

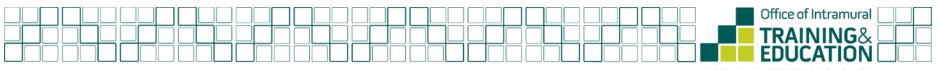
Faculty Jobs are "Alternative" Careers:

* Less than 10% of entering PhD students will become tenure-track faculty yet 53% rank research professorships as most desired career



What do Scientists do Away From the Bench?

- Policy, marketing, writing, editing, teaching, business, finance...
- And MORE!



Focus on: Science Policy

What is it?

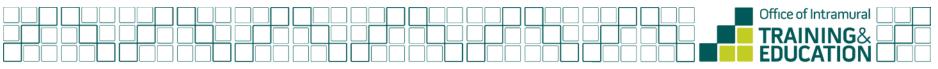
- Assessing scientific data, writing briefs, communicating with scientists, general public & lawmakers
- Focus on advocacy, analysis, and advising at the intersection of science and public policy

Where they work?

- Federal Agencies, like the Department of Energy or the Environmental Protection Agency
- Nongovernmental organizations (NGOs) such as scientific societies, think tanks, interest groups, nonprofits, universities

Common Titles:

Policy Advisor, Health Analyst, Scientific Program Manager, etc.



Focus on: Science Writing

What is it?

- Reading and processing large amounts of scientific information
- Writing Briefings, literature reviews, long technical reports, meeting proceedings, project summaries, press releases, progress reports etc.

Where they work?

Universities, nonprofits, media organizations, government, industry, freelance

Common Titles:

Technical Writer, Science/Scientific Writer, Communications Officer, Technical Editor, Scientific Editor, Freelancer



Focus on: Marketing/Sales

What is it?

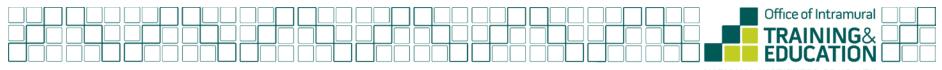
- Understanding market research and psychology in order to stimulate a demand in the market
- Utilizing communication skills and strategy to achieve company's goal (a profit)

Where they work?

Industry, biotech, pharma

Common Titles:

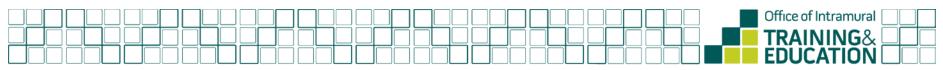
Sales Manager, Outreach Associate, Market Analyst, Development Manager



SVI Match

- Understand there is *lots* of variability within each field
 - □ For example, Science Writing positions:
 - Technical WriterVSCommunications Director
 - □ For example, Marketing/Sales positions:

Outreach Associate VS Market Analyst



Research through Informational Interviews

- To learn EVEN MORE about each job from people who actually do it on a daily basis!
- To help you identify the SVI (Skills, Values, Interests) of people working in that position and see how they match with your own.
- To broaden your career options or to explore a career you know you are interested in
- To expand your professional network
- To access up-to-date career information and access the underground job market
- To identify your professional strengths and weaknesses
- To build confidence for when it matters the most

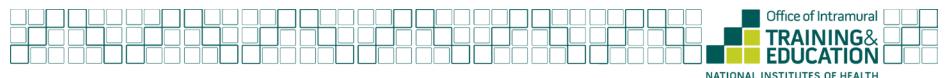


How to Prepare During Your PhD

Again, variable based on focus area

TWO MAIN SKILLS:

- Non-technical writing skills
- Leadership skills

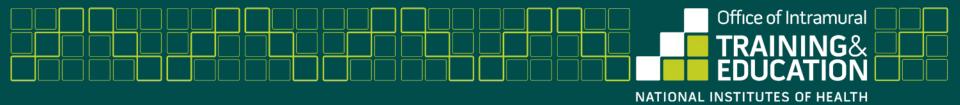


Resources

- Connect with us on Linked-In and join the NIH Intramural Science Linked-In group
- Watch previous OITE career workshops, including the How To Series
- Read the OITE Careers blog Alumni Spotlight
- Join the OITE NIH Training Alumni database if you are/were a student or fellow here
- Email me at Amanda.Dumsch@nih.gov

Industry Careers

Lori M. Conlan, PhD Director, Office of Postdoctoral Services and the Career Services Center





What's Out There?

Kinds of Companies

Pharma

Biotechs

Science supply

Medical Devices and Diagnostics

Contract Research Organizations

Non-profits, NGOs



Where are the Jobs?

- Mega-companiesAnnual revenues greater than \$10B70,000+ employees worldwide
- Large CompaniesAnnual revenues between \$1B \$10B2500 70,000 employees

Medium Companies

Small Companies

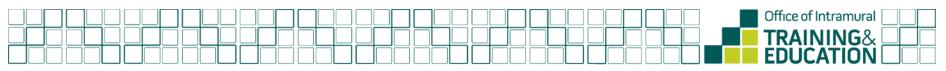
Early Stage / Start-ups

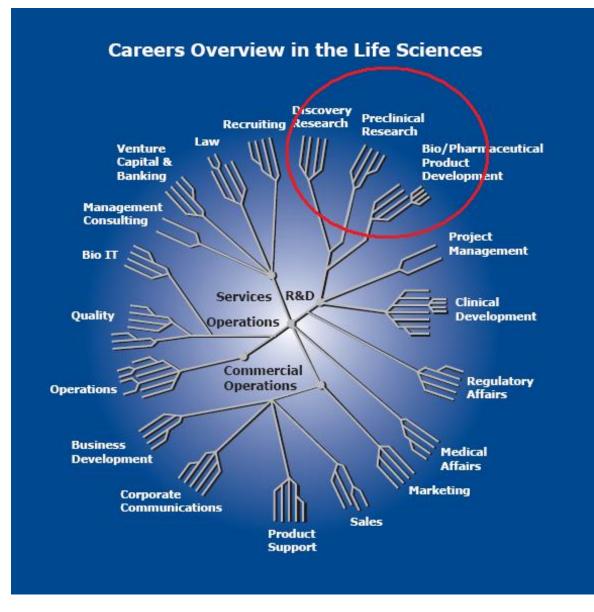
- Annual revenues between \$500M -\$1B 100 - 2500 employees
 - Annual revenues between \$100M \$500M 20 - 100 employees
 - Annual revenues between \$0 \$100M
 - 1 20 employees



Example Companies

	Mega	Large	Mid-size	Small	Early Stage/ Start-up
Pharmaceutical	Pfizer BMS GSK	Medimmune Teva B. I.	Endo Eisai Millennium	Macrogenics Purdue	Vanda
Biotech	Amgen	Celgene	Shire HGS	Vertex Alexion	Achillion GlycoMimetics NovaVax
Device	J & J	Baxter	Covidien	PPG	
Consumables	GE	Thermo Fischer Scientific	Life Technologies	Qiagen OriGene	
Contract Organization	Quintiles Covance	PPD	Accelovance	Westat	KAI Research, Inc.





Opportunities in R & D

Office of Intramural

NG&

Discovery Drug discovery research; also positions in life sciences companies that provide platform technologies, instruments, reagents and medical devices. Qualifications: PhD with some specialization in post-doctoral work

Preclinical Conduct research to identify, synthesize and characterize new drug candidates. Qualifications: PhD with some specialization in post-doctoral work

Clinical Conduct research to test drug safety and efficacy in humans. Qualifications: Involvement in clinical trial planning, protocol development or evaluation, execution and monitoring of clinical trials.

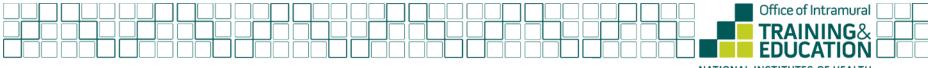
Project Mgt.Ensure that projects are moving forward according to pre-
established timelines, scope and budget. Qualifications:
MD/PhD with project management experience

Bio-PharmCreating, formulating and manufacturing drug products.Product Devel.Qualifications: PhD and formulation experience

Opportunities in Commercial

Office of Intramural

Marketing	The development and communication of product strategic plans to achieve objectives. Qualifications: BS/BA/MBA
Sales	Interact with customers to generate revenues and provide education. Qualifications: BS/BA and sales experience
Business Development	Identify and consummate deals that further the company's strategy. Qualifications: BS/BA/PhD in select therapeutic areas
Corp. Comm.	Generate interest in a brand and faith in company's ethos. Qualifications: Ability to "distill" technical information for a variety of audiences



Opportunities Between R&D and Commercial

Product Support	Provide technical support to enable customers to use products correctly and successfully. Qualifications: MD or PhD with product / therapeutic expertise
Medical Affairs	Provide medical and scientific support for company's marketing effort. Qualifications: MD, PhD or PharmD
Regulatory Affairs	Ensure that discovery and development processes are consistent with regulatory processes. Qualifications: MD or PhD with knowledge of Agency requirements



Opportunities In Operations

Operations	Ensure smooth operations of all processes; manufacturing. Qualifications: BA / BS or MBA, promotional position for those with advanced science degrees
Bio IT	Systems validation, data management, algorithm and software development. Qualifications: BA / BS with computer skills
Quality	Ensure products are consistent and that all company processes comply with agency standards. Qualifications: BS / BA, PhD is common in supervisory roles



Opportunities in Services

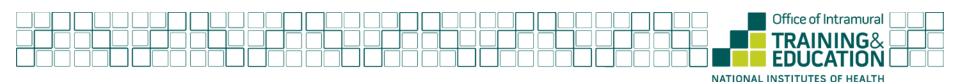
Virtually all functions within a company can also be outsourced to a contract provider; i.e. Development, Regulatory, Manufacturing, Medical Affairs, Marketing, Sales, Product Support, Legal etc. Qualifications: similar to those for the internal functions

Agencies Discovery, research, development and regulatory responsibilities performed in Government supported labs. Qualifications: MD or PhD

ManagementProvide strategic and technical advice to company management.ConsultingQualifications: MD's and PhD's generally for technical and
subject matter expertise

Health CareEvaluate technologies to support or reject capital investment.FinanceQualifications: MD or PhD with a knowledge of business
operations

RecruitingMatch qualified candidates with job opportunities.Qualifications: MD's and PhD's can be beneficial in recruiting
for technical and scientific positions

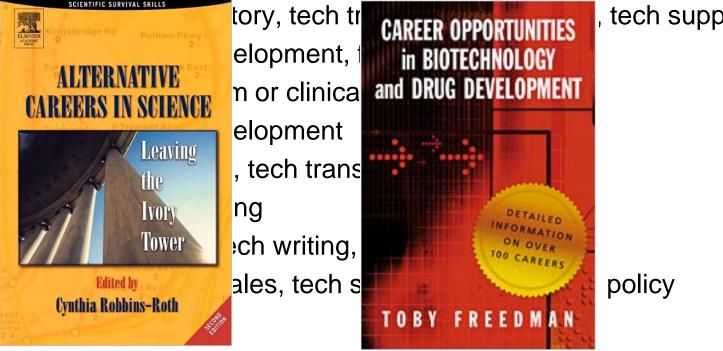


If you like

- Benchwork
- Details
- Financial data
- Organizing thing
- Influencing peop
- Looking at hot te
- Being creative
- Writing
- Speaking

Then look at:

R&D, manufacturing, QC/QA, toxicology/safety



Where the Opportunities Are Likely to Be 2014 - 2018

Research Positions Predominantly in biotech and early-stage

Development Positions Mid- to mega-companies and CRO's

Business Development Out-licensing - Smaller companies and early-stage In-licensing - Larger companies

Medical Affairs

Regulatory Affairs

Product Support

Quality

Larger companies with marketing and launch products

Mid- to mega-companies and FDA

Larger companies with marketing and launch products

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JG&

Companies with manufacturing and Contract Manufacturing Organizations

Management Consulting

Consulting companies, companies in transition and medical insurance providers

\$45,000	BS
\$50,000	BS
\$55,163	BS
\$60,276	PhD
\$60,372	BS/MS
\$67,156	MS (maybe BS)
\$83,545	MS(maybe BS)
\$89,986	PhD/MD
\$115,950	PhD/MD
\$118,000	
\$128,582	PhD/MD
\$136,679	PhD/MD
	\$50,000 \$55,163 \$60,276 \$60,372 \$67,156 \$83,545 \$89,986 \$115,950 \$118,000 \$128,582

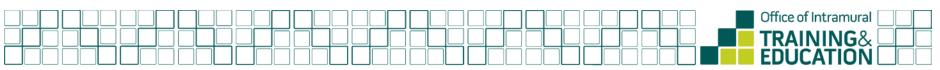
\$187,500

Director

Data from glassdoor.com

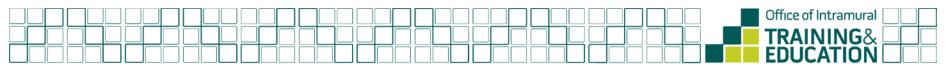
PhD/MD

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Finding a Job

- Identify companies with money and/or cash infusions
 Fierce, BIO, OnBioVC
- Identify companies with R&D projects that interest you
- Identify companies in an area you would like to live
- Build a Network- university alumni, NIH Alumni database, LinkedIn
- Prepare an industry resume



Skills Recruiters Seek

- 1. Communication
- 2. Problem solving
- 3. Team work
- 4. Self motivation
- 5. Initiative
- 6. Logical thinking
- Ability to work under pressure

- 8. Time management
- 9. Work ethic
- 10. Dependability
- 11. Adaptability
- 12. Leadership
- 13. Organization
- 14. Self confidence

Reference: Monster 2011 Biotech Job Conditions Report



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Research Associate II, Formulation/Associate Scientist I, Formulation (\$60-\$65K)

The candidate will be tasked with the characterization and formulation development of monoclonal antibody and novel molecule therapeutics, with a primary responsibility of supporting late stage formulation development activities. Preference will be given to those with experience in standard protein formulation development and characterization techniques (SEC, RP-HPLC, IEF, HIAC, and MFI, etc.), along with a fundamental understanding of the basic methodologies and practices of protein formulation. Experience with protein/peptide formulation, lyophilization, and protein characterization is a plus, but not required. The candidate will <u>make detailed</u> <u>observations, analyze data, interpret results, maintain documentation, and prepare</u> <u>precise technical reports, summaries and protocols under supervision</u>. The candidate is expected to present findings at internal meetings and contribute to the preparation of manuscripts, posters, and patent applications to highlight scientific achievement externally. The candidate also must be able function effectively as a member of a larger project and cross-functional teams as required.

Position Requirements

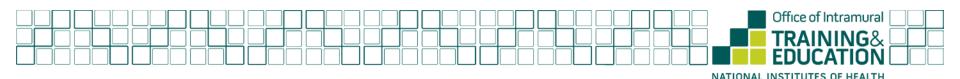
For the Research Associate II level, we require a BS degree with 2 - 5 years of relevant experience or an MS with 0 - 2 years of relevant experience. For the Associate Scientist I level, we require a BS with 5 - 8 years of relevant experience or an MS with 2 - 5 years of relevant experience.

Scientist I, Cell Line Development/Associate Scientist II, Cell Line Development (\$90K) Medimmune

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The successful candidate will develop stable production cell lines for therapeutic antibodies or other protein pharmaceuticals using mammalian cell lines (CHO and NS0). In addition, responsibilities will include: being a leader in technology development projects including some or all of the following: improving the molecular biology technologies involved in cell line development; implementing recombinase-mediated targeted integration of expression cassettes; developing high-throughput robotic procedures for clonal cell line generation, expansion and evaluation; flow sorting to clone or enrich highexpressing populations; developing automated data management systems; as well as microarray or protein array profiling of cell lines to diagnose expression bottlenecks. You will maintain knowledge of current cell culture literature, presenting and publishing results inside and outside MedImmune. As a team player in our department, you will maintain the laboratory and some of its equipment and provide technical support for upstream processes in therapeutic protein manufacturing and research groups. You will keep detailed and accurate records of your work. You will author and review SOPs, batch records, development reports, regulatory filings and assist in other areas as needed, including operating bioreactors.

Position Requirements We can hire this position at the Scientist I or the Associate Scientist II level. For Scientist I: Ph.D. 0-3 years industry experience, or M.S. degree plus 8-10 years industry experience, or B.S. degree plus 10-13 years industry experience. For Associate Scientist II: B.S. plus 8-10 years industry experience or M.S. plus 5-8 years



What is different about industry?

- Matrix teams
- Deadline driven
- Results driven
- Money driven
- Resources rich
- Protect intellectual property



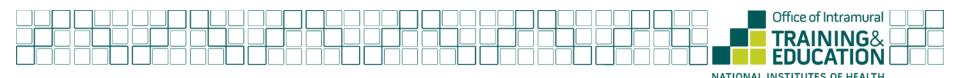
Common industry myths

- Industry does not do good science
 - Great science happens- they put those drugs into people
- No scientific freedom
 - Yes and no, you may have a defined project goal, but you can decide scientifically how to get there
- Your project can get yanked from you
 - Yes and no, priorities change and you may have to change too
- No job security
 - Yes and no, but once you have experience the next job is easier



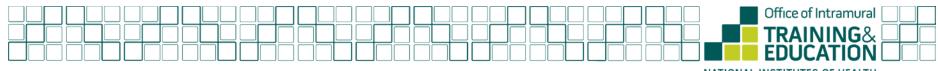
Other OITE stuff on industry

- <u>Top 10 List: Things Scientists Ask about Finding an Industry Job</u> (11/28/2012)
- Industry Careers Overview and Job Packages (1/24/2013)
- An Overview of Careers in Industry for PhD Scientists (10/5/2009)
- <u>The Industry Job Search: Navigating the Application</u> <u>Process</u> (12/7/2009)
- Resumes and Cover Letters for Industry (11/18/2008)
- Industry: Interviews (3/4/2013)
- Business Etiquette (NIH only) (3/25/2009)
- Making the Transition to Industry (4/6/2010)



More resources

- Join our Listserv to get info while you are not at the NIH
 - □ Go to <u>www.training.nih.gov</u> to sign up.
- Connect with me on Linked-In and join the NIH Intramural Science Linked-In group
- Watch previous OITE career workshops, including many on CVs, resumes and cover letters
- Read the OITE Careers blog
- Join the OITE NIH Training Alumni database if you are/were a student or fellow here
- Email me at conlanlo@mail.nih.gov



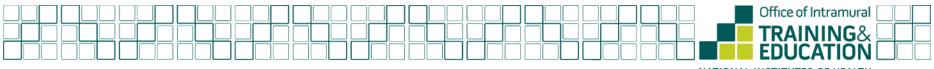
Resources

NATIONAL INSTITUTES OF HEALTH

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ING&

- myidp.sciencecareers.org/ great online assessment and career planner for science related career paths
- Make an on-line appointment at the OITE Career Center
 - Anne and Amanda Career questions and assessments, all paths
 - Bill Higgins Professional schools
 - Brad Industry careers
- OITE careers BLOG
- Web Articles
 - Science careers especially stuff by Dave Jensen
 - NatureJobs
 - BioSpace.com
 - ACS Careers Blog (and ACS website)
- Books
 - Career Opportunities in Biotech and Drug Development (Freedman)
 - Alternative Careers for Scientists (Robbins-Roth)
 - Non-traditional Careers for Scientists (Kreeger)



More resources

Previous videos on industry jobs:

An Overview of Careers in Industry for PhD Scientists (10/5/2009) The Industry Job Search: Navigating the Application Process (12/7/2009) Resumes and Cover Letters for Industry (11/18/2008) Interviewing outside the Ivory Tower (12/2/2008) Business Etiquette (NIH only) (3/25/2009) Making the Transition to Industry (4/6/2010)

Videos on specific career paths:

Careers in Science Education and Outreach: A "How to" Workshop (11/23/10 Careers in Regulatory Affairs: Second in the "How to" Series (11/23/10) Careers in Tech Transfer: Third in the "How to " Series (2/16/11) Careers in Science Policy: Fourth in the "How to" Series (2/16/11) Careers in Global Health: Fifth in the "How to" Series (4/13/11) Careers in Science Writing: Sixth in the "How to Series" (4/30/2012) Using LinkedIn Effectively: Seventh in the "How to" Series (4/30/2012) Careers in Grants Management: Eighth in the "How to" Series (6/5/12) Careers in the Federal Government: Ninth in the "How to" Series (7/18/12)