







UCSF Students' and Postdocs' Career <u>Primary Interests</u> Survey of UCSF trainees' career preferences -Most considering multiple options -Express low confidence in any option Avoid the "default postdoc"!			
Career Path	% Students	% Postdocs	
PI in an academic setting	45.3	53.2	
Other research in academia	4.5	6.8	
Research in biotech/pharma	20.3	27.8	
Research in government	1.6	1.4	
Teaching-intensive or education	5.8	3.1	
Other science-related careers	22.3	7.8	
	ciences Education, 2011	UCSF	

















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	CAREER CATEGORIES	EXAMPLES/DESCRIPTIONS
	Principal investigator in a research- intensive institution:	Independent researcher at a medical school, private research institute, government lab or university with minimal teaching responsibilities
	Research staff in a research-intensive institution:	Staff scientist or researcher in academia or government, lab manager, director of a multi-user research facility in an academic institution
Dozens of career options:	Research in industry:	Discovery or preclinical researcher; manager of a research team or facility
20 categories	Combined research and leaching career:	Faculty at a liberal arts college, masters-granting university, or doctoral-granting university whose job includes <b>both</b> research and major teaching responsibilities
• 58 job titles in myIDP	Teaching-intensive careers in academia:	Faculty in a research university, liberal arts college, community college with major teaching responsibilities
	Science education for K-12 schools:	Classroom teacher; curriculum developer; science specialist
	Science education for non-scientists:	Education or public outreach specialist such as at a science museu or scientific society
	Clinical practice:	Clinician such as genetics counselor, therapist, physician
• myIDP.ScienceCareers.org	Public health related:	Public health program analyst or evaluator; epidemiologist; biostatisticion; medical informaticist
	Scientific/medical testing:	Testing specialist in an environmental, public health, genetics or forensic science setting (intelligence agencies, federal/state departments of justice); clinical diagnostician
	Science writing:	Science, medical or technical writer or journalist; science editor; science publisher
	Research administration:	Research administrator in private or public research institutions, government or academia, including compliance officers, grants an contracts officers; deans or directors of research programs
	Science policy:	Public affairs/government affairs staff at scientific societies, foundations, government entities or think tanks
	Intellectual property:	Patent agent; patent attorney; technology transfer specialist
	Business of science:	Management consultant; business development professional in a blotech company; venture capitalist; market researcher; investment analyst
	Entrepreneurship:	Starting your own business
	Sales and marketing of science- related products:	Medical science liaison; technical sales representative; marketing specialist
	Support of science-related products:	Technical support specialist; field application specialists; product development scientist or engineer
11	Clinical research management:	Clinical research project/trials manager or coordinator
	Drug/device approval and production:	Regulatory affairs professional; quality control specialist





- Research training does not provide knowledge about careers
  - How do I locate resources for finding out about my career options?
  - How do I <u>choose</u> a path?
  - How can I gain <u>confidence</u> that one career option is a better fit than others?
  - How can I find, meet and build relationships with <u>role models</u> to help me along after my training?
  - It's all competitive: How do I get the skills and experience to transition successfully onto my new path?
- Propose that a *structured* career planning and goal setting process is part of the solution – Individual Development Plan, or IDP

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## Scenarios that might result from more structured career planning and goal setting

You are looking forward to talking with your graduate student on Monday morning about his final committee meeting and plans for wrapping up. You have some thoughts about potential postdoc labs and want to writing a manuscript and possibly a review in the coming year before he defends. Things have been going well and you are optimistic about his final year in grad school; know that he will be very competitive for postdocs in the very best of labs.

The meeting starts off with some good science discussion; he shared some great data from the last few weeks and had several ideas for next steps. Toward the end of the meeting, just when you were preparing to give him your thoughts on reaching out to some colleagues about postdoc opportunities, your student asks for permission to start an internship in your university's Global Health Policy Office. He tells you that he plans to apply for a AAAS Policy Fellowship next June and that he learned at a workshop on policy careers that doing an internship in the policy arena during grad school would strengthen his application. Your student is a bit nervous about this conversation; the two of you often talk about postdocs and he thinks you will be disappointed in him. He would like for you to be supportive of his career goals, but beyond that he needs your permission and the internship. Because he was stressed about asking you this, he put off this conversation and the internship without talking to you first, and stressed about how his shorter work-week might impact the renewal of your grant. You are also quite disappointed that he does not want to do a postdoc after all of the opportunities you gave him.

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