



University of California
San Francisco

Coalition for Next Generation Life Science: *Commitment to Data Transparency*

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University of California, San Francisco

We represent an agreement on behalf of nine research universities and a research institution to address calls for increased transparency.



[View Member Schools & Data](#)

Coalition members commit to collecting and publishing data using common standards on:

- Admissions and matriculation data of PhD students.
- Median time-to-degree and completion data for PhD programs.
- Demographics of PhD students and postdoctoral scholars by gender, underrepresented minority status, and citizenship status.
- Median time in postdoctoral status at the institution.
- Career outcomes for PhD and postdoctoral alumni, classified by job sector and career type

The Coalition agrees to work broadly to provide meaningful career exploration and placement support for a broad array of potential career paths, improve mentorship at both the doctoral and postdoctoral stages, and increase and improve recruitment and retention aimed at diversifying the life sciences workforce.

<http://nglscoalition.org/>

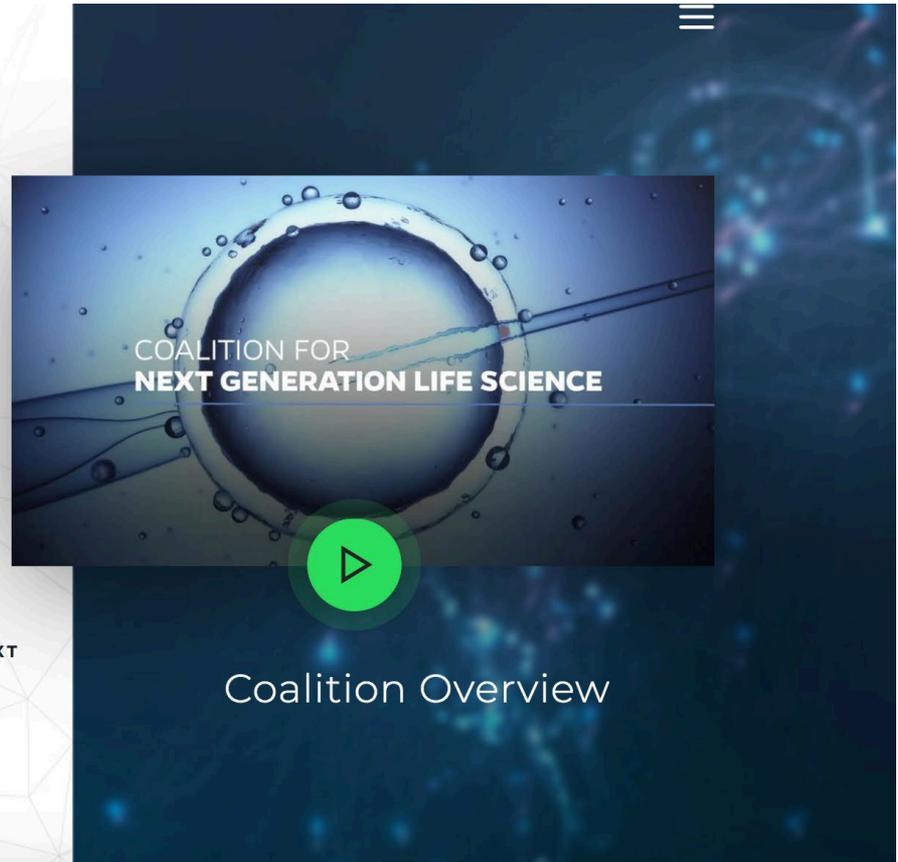
COALITION FOR
NEXT GENERATION LIFE SCIENCE

Answering the call for transparency.

SUPPORT THE MISSION OF DATA COLLECTION AND
TRANSPARENCY BY JOINING THE COALITION FOR NEXT
GENERATION LIFE SCIENCE TODAY.

JOIN NOW

SEE THE DATA



Graduate Program Statistics

Print PDF

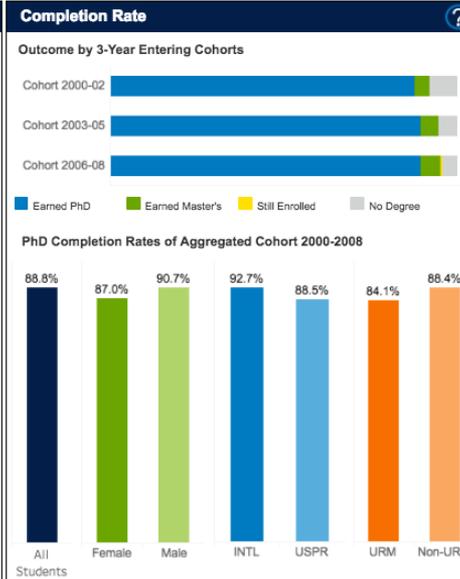
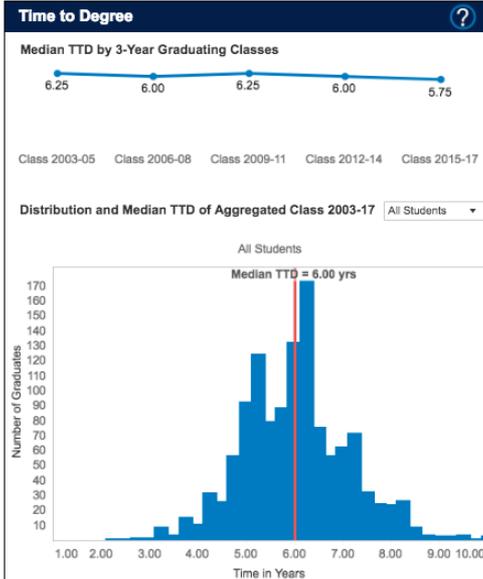
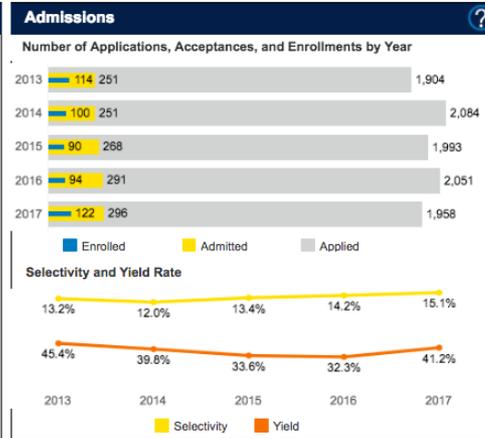
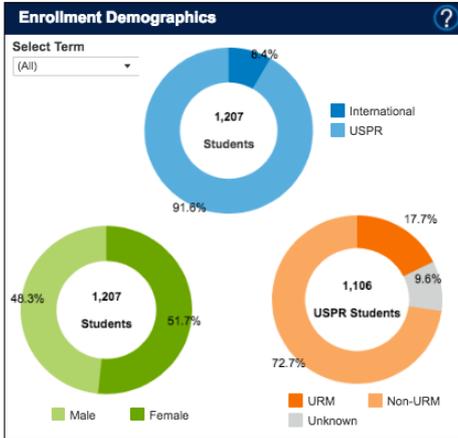
Demographics, Admissions, Time to Degree, and Completion Rates

Discipline

Basic Sciences PhD

Program

(All)





Graduate Education Statistics

Population

Diversity

Dashboard

Students

Student Body

Diversity

Demographics

by Residence

Hall

Degrees

Retention and

Graduation

Rates

Graduate

Education

Statistics

Student

Placement

Office of the

Registrar

Enrollment &

Degree

Statistics

Faculty and

Staff

Awards and

Honors

Financial

Financial

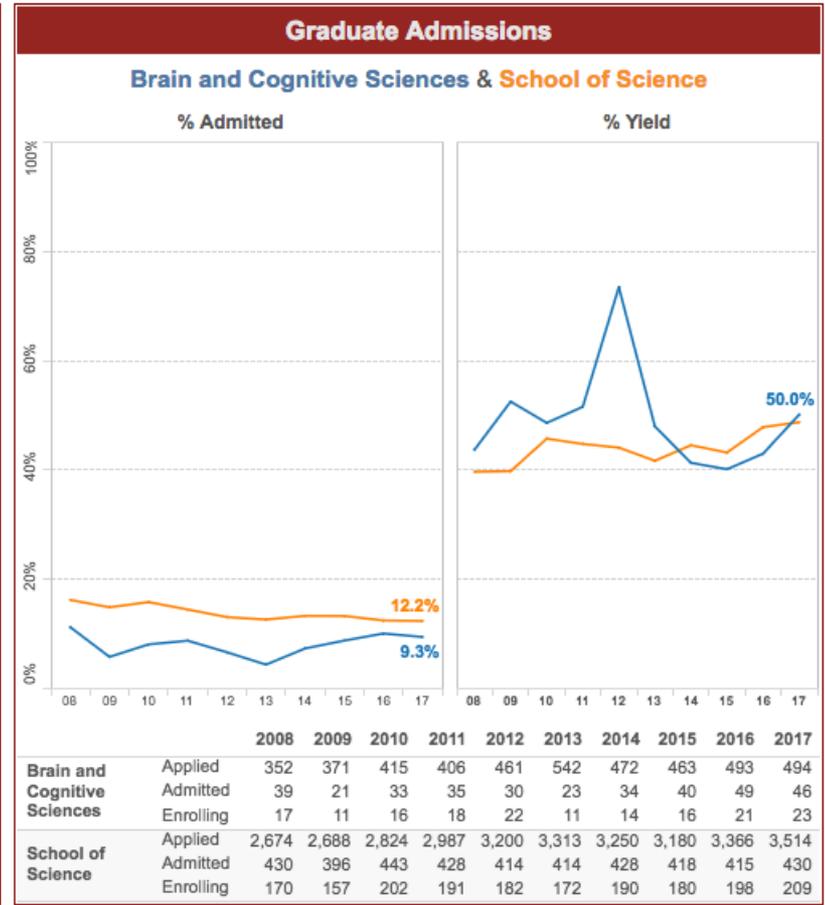
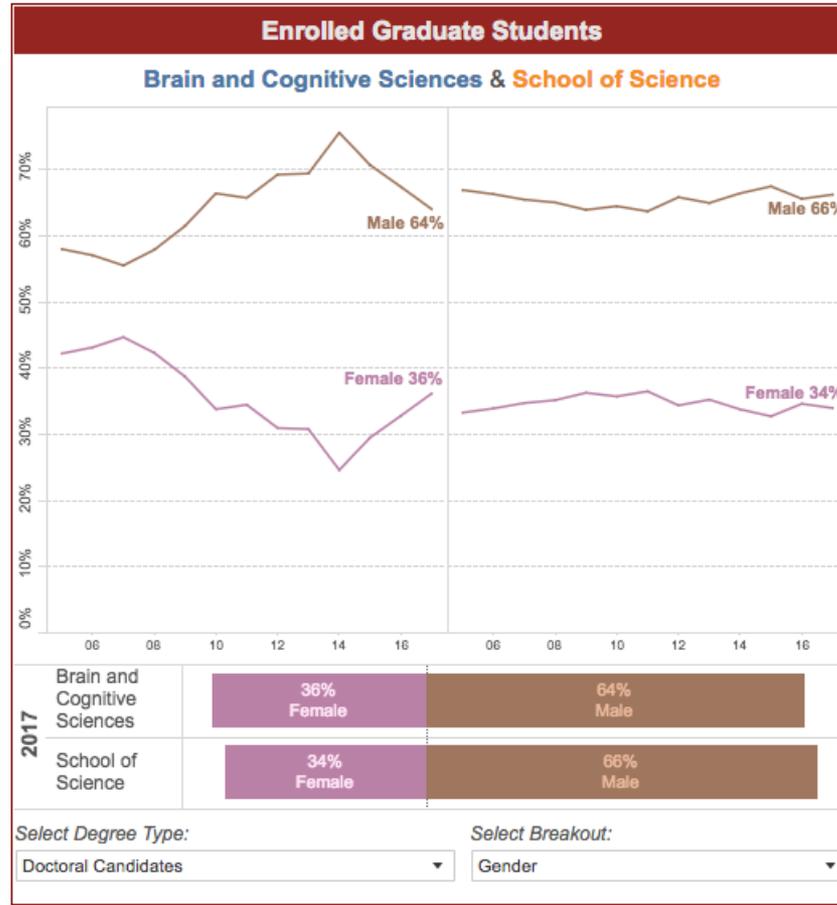
Select MIT Schools and Departments for comparative data:

Select a Department:

Brain and Cognitive Sciences

Select a School:

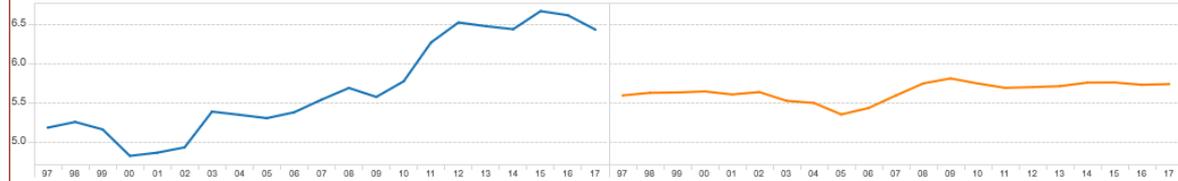
School of Science



Doctoral Time to Degree

Brain and Cognitive Sciences & School of Science

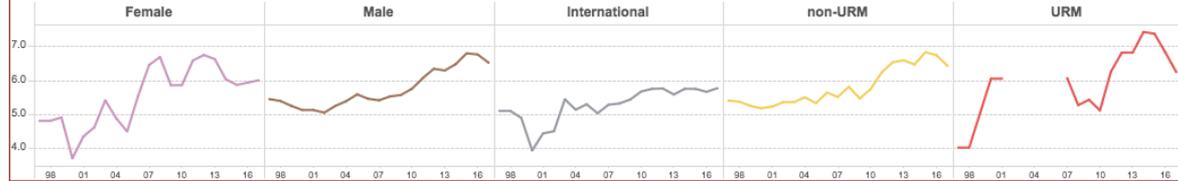
Three-year rolling average



	Count	Years based on elapsed time from first registration to graduation				Years based on registered terms (fall and spring only)			
		Min	Max	Median	Mean	Min	Max	Median	Mean
Brain and Cognitive Sciences	236	1.0	11.0	5.5	5.9	1.0	11.0	5.5	5.9
School of Science	3,468	0.8	19.3	5.5	5.7	1.0	12.5	5.5	5.6
Overall	236	1.0	11.0	5.5	5.9	1.0	11.0	5.5	5.9
Female	82	1.0	9.8	5.6	5.8	1.0	10.0	5.5	5.8
Male	154	3.5	11.0	5.5	5.9	3.5	11.0	5.5	5.9
URM	20	4.0	10.5	5.9	6.2	4.0	10.5	6.0	6.2
non-URM	132	3.5	11.0	5.7	6.0	3.5	11.0	5.5	6.0
International	60	1.0	10.5	5.1	5.3	1.0	10.0	5.0	5.3

Brain and Cognitive Sciences

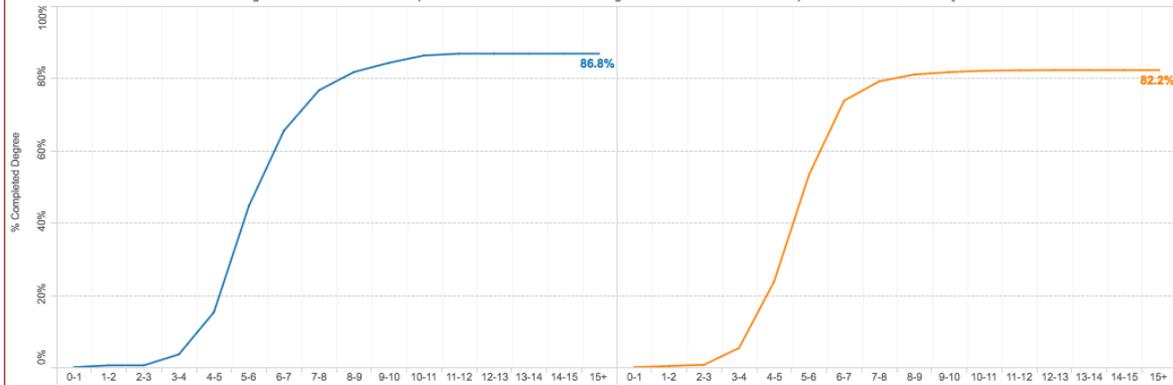
Three-year rolling average



Doctoral Cohort Analysis

Brain and Cognitive Sciences & School of Science

Cohorts 1997-2010. Height of curve is the cumulative percent of doctoral students entering in these cohorts who have completed within the number of years on the x-axis.



Attrition Rate



Select Breakout:

- Overall
- Gender
- URM
- International
- Cohort Year - 4yr groups
- Cohort Year - 5yr groups
- Cohort Year - 7yr groups

Table 1: Enrollment Headcounts - Fall 2017

	Headcount	Percent
Total	41	100.0%
Domestic	27	65.9%
URM	8	19.5%
International	14	34.1%
Men	18	43.9%
Women	23	56.1%

Table 2: Admissions

	AY 2015	AY 2016	AY 2017
Applicants	49	45	46
Admits	11	14	8
Matriculants	4	6	4
Admit Rate	22.4%	31.1%	17.4%
Yield	36.4%	42.9%	50.0%

Table 3: Degree Recipients by Academic Year of Conferral

	AY2009-11	AY2012-14	AY2015-17
Total	12	19	15
Domestic	8	13	10
URM	4	4	1
International	4	6	5
Men	4	5	7
Women	8	14	8

**Table 4: Median Time to Degree for Recipients
by Academic Year of Conferral++**

	AY 2009-11	AY 2012-14	AY 2015-17
Total	7.00	7.00	6.50
Domestic	8.00	7.50	6.25
URM	N.R.	N.R.	N.R.
International	N.R.	7.00	6.50
Men	N.R.	6.00	5.00
Women	7.25	7.25	6.75

Table 5: Cohort Completions by Academic Year of Entry

	AY 2003-05	AY 2006-08	AY 2009-11
Total Entering	20	19	22
Not Enrolled Fall 2017	2	4	4
<i>Left with Master's</i>	-	3	2
Enrolled Fall 2017	-	-	5
Total Completed	18	15	13
Less than 3 Years	1	-	-
3 to 4	-	-	-
4 to 5	3	-	1
5 to 6	5	4	4
6 to 7	3	4	4
7 to 8	2	5	4
8 to 9	3	1	
9 to 10	-	1	
More than 10 Years	1		

Table 6: Cohort Completion Rates by Academic Year of Entry++

	AY 2003-05	AY 2006-08	AY 2009-11
All Recipients	90.0%	78.9%	59.1%
Domestic	83.3%	90.9%	72.7%
URM	80.0%	N.R.	N.R.
International	100.0%	62.5%	45.5%
Men	75.0%	71.4%	44.4%
Women	100.0%	83.3%	69.2%

Program Statistics

Print PDF

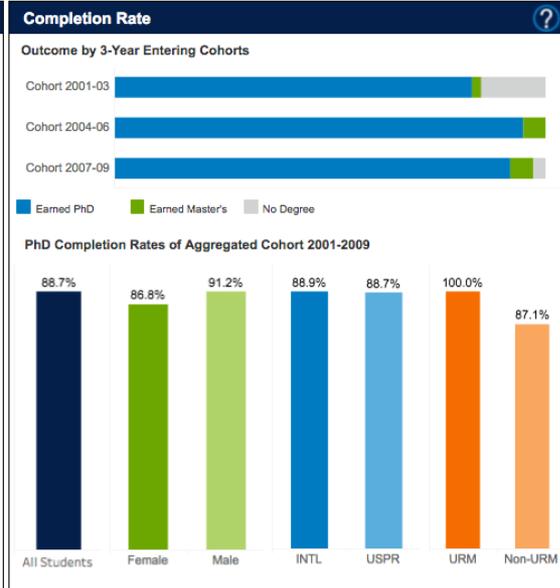
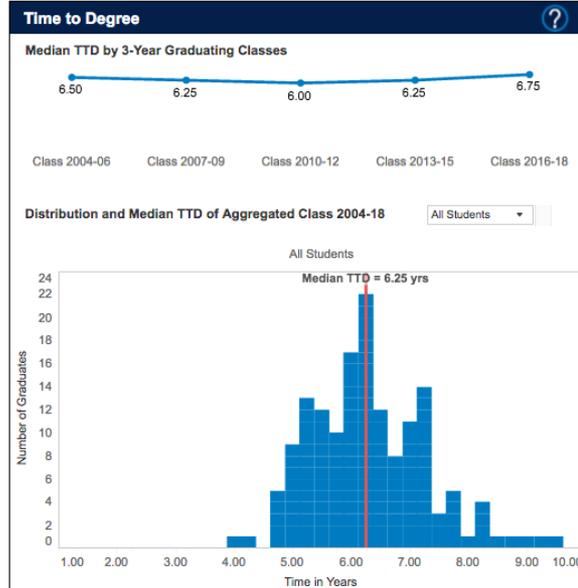
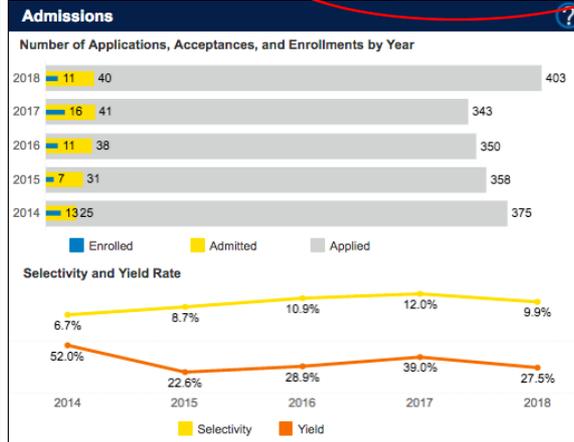
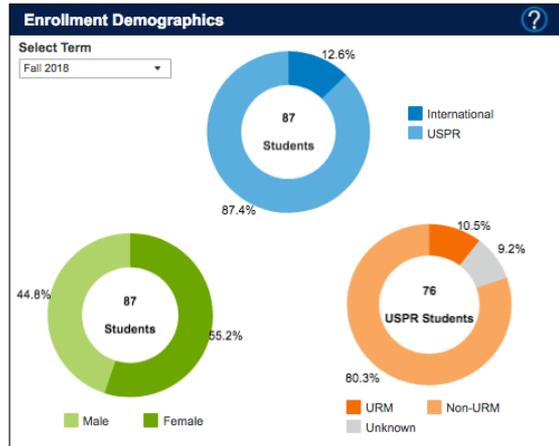
Demographics, Admissions, Time to Degree, and Completion Rates

Discipline

Basic Sciences PhD

Program

Neuroscience



Time to Degree



Median TTD by 3-Year Graduating Classes



Class 2004-06

Class 2007-09

Class 2010-12

Class 2013-15

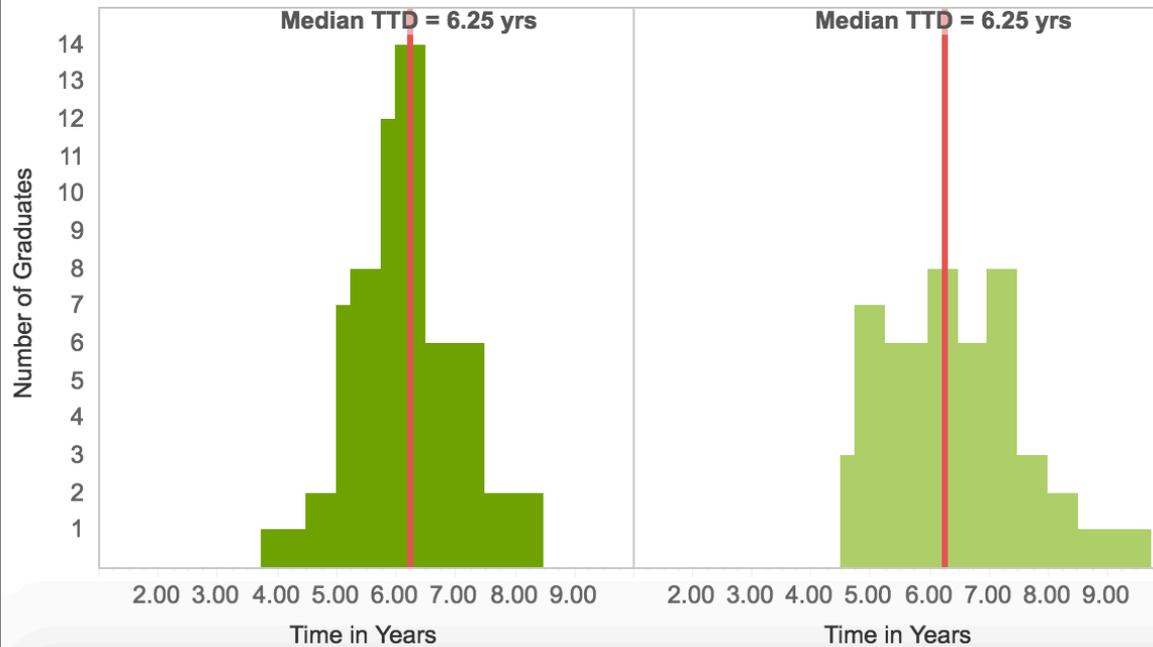
Class 2016-18

Distribution and Median TTD of Aggregated Class 2004-18

Gender

Female

Male



Time to Degree



Median TTD by 3-Year Graduating Classes



Class 2004-06

Class 2007-09

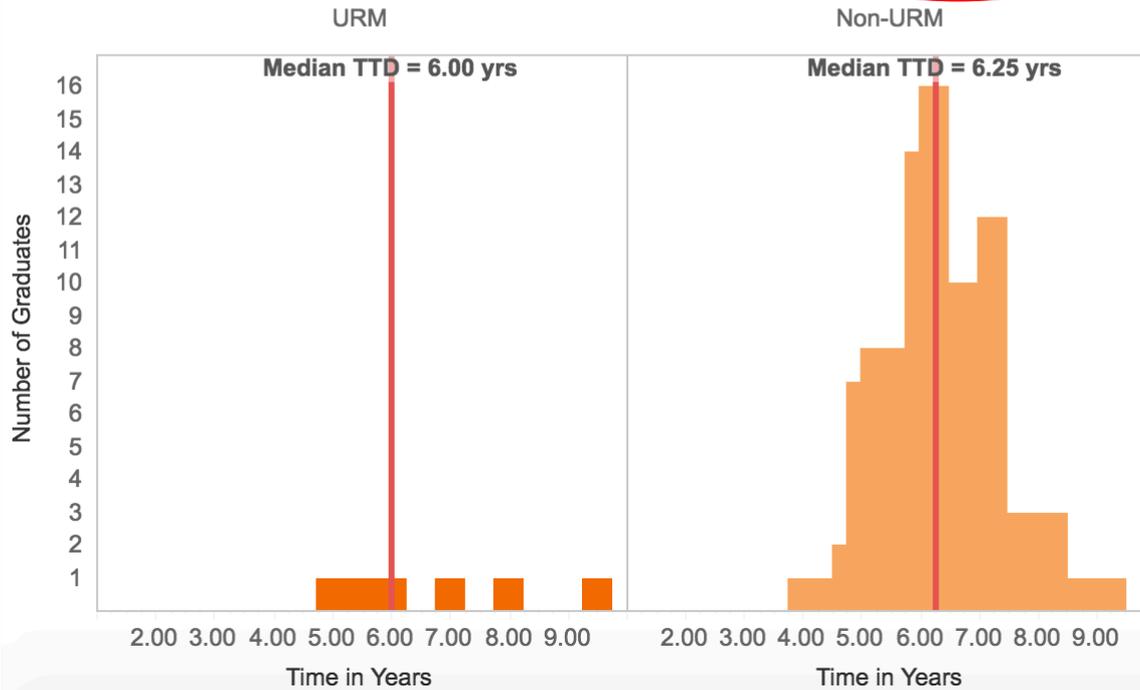
Class 2010-12

Class 2013-15

Class 2016-18

Distribution and Median TTD of Aggregated Class 2004-18

URM Status ▾



Postdocs at UCSF

You can also [view demographic data](#) and [information about time in postdoc](#) in tabular form. [Download career outcomes data](#) as an Excel file.

Demographics



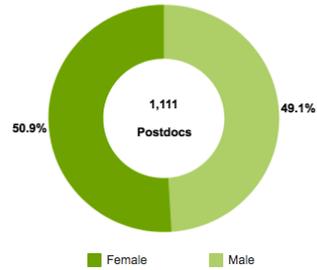
Department

(All)

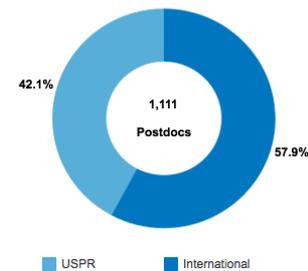
Year

2018

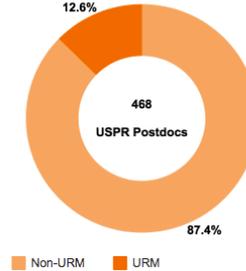
Gender



Citizenship



URM



Time in Postdoctoral Training



Trend of Median Time in Postdoc Training (in Years)



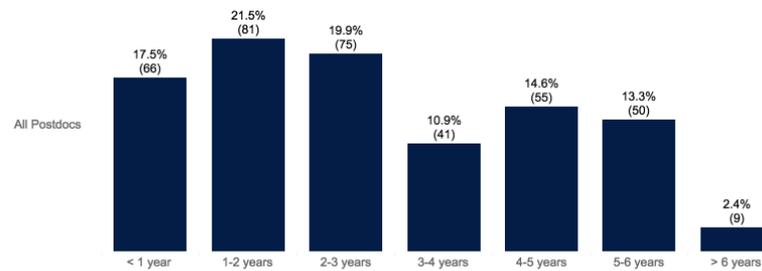
Distribution of Time in Postdoc Training

Select a View

All Postdocs

Separation Year

2018

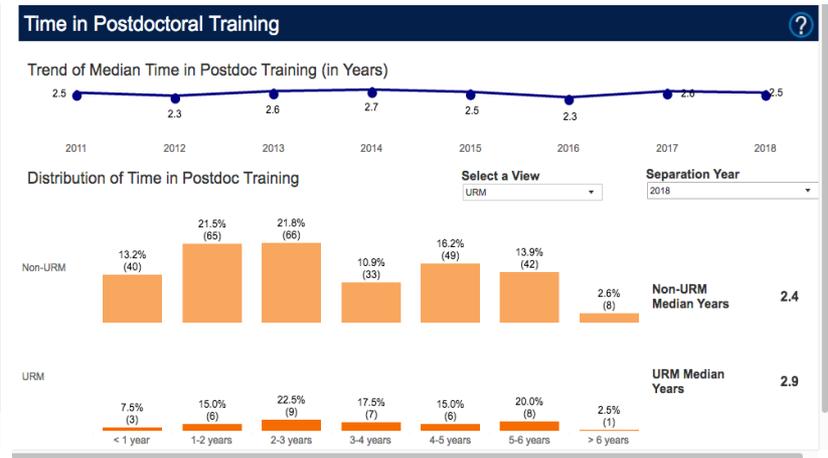


Time in Postdoc, by URM/non-URM

2013



2018



Time in Postdoc, by Gender

2013

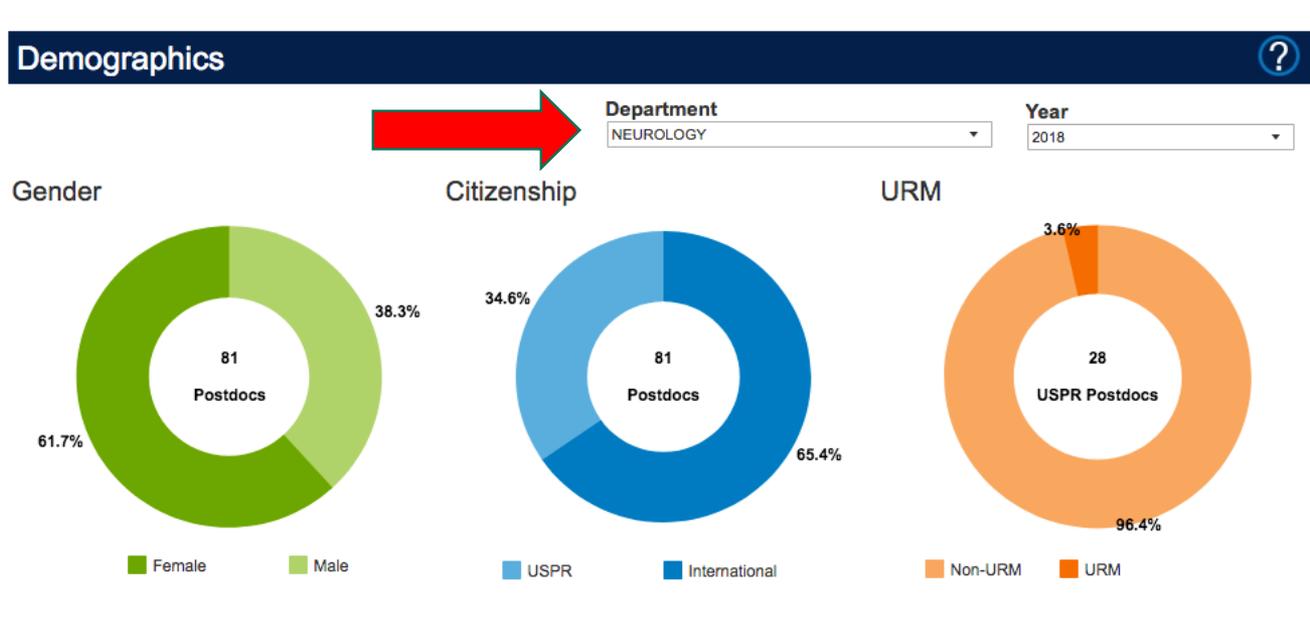


2018



Postdocs at UCSF

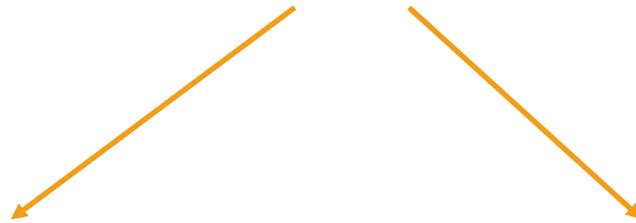
You can also [view demographic data](#) and [information about time in postdoc](#) in tabular form. [Download career outcomes data as an Excel file.](#)



Reporting Career Outcomes: The Challenge of Developing a Common Taxonomy



JOB FUNCTION



SECTOR

Academia

Government

For-Profit

Non-Profit

Other

Unknown

CAREER TYPE

Primarily Research

Primarily Teaching

Science-Related

Not Related to Science

Further training or education

Unknown

Sector	Definition	Coding clarifications and example duties or titles
Academia	Academic institutions of higher education, including colleges, universities, some medical centers, or free-standing research institutions where training occurs.	This does not include VA hospitals, but does include teaching, for-profit, and other types of hospitals.
Government	Any organization operated by federal, state, local or foreign governments.	Includes VA hospitals.
For-Profit	Any organization that operates to make a profit, including some industry research.	
Nonprofit	Any non-governmental organization that does not operate to make a profit.	Includes K-12 education.
Other	Individuals who are unemployed, full-time caretaker or parent, on extended medical leave or employed at an organization not included in other options.	
Unknown	Unknown	

Career type	Definition	Coding clarifications and example duties or titles
Primarily research	The primary, although not necessarily the only, focus is the conduct or oversight of scientific research.	Includes academic faculty titles at R1-R3 institutions as identified through Carnegie classifications.
Primarily teaching	The primary, although not necessarily the only, focus is education and teaching.	Includes academic faculty at all other institutions
Science-related	Career that is relevant to the conduct of scientific research, but does not directly conduct or oversee research activities	
Not related to science	Career that is not directly relevant to the conduct of scientific research	
Further training or education	Temporary training position	Postdoctoral research, completing medical residency, or pursuing an additional degree.
Unknown	Unknown	

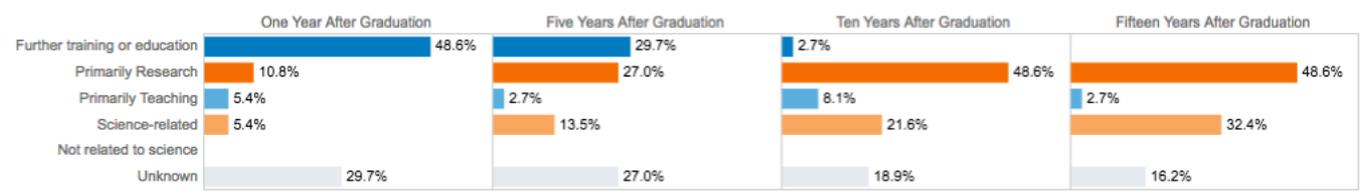
Job Function	Definition	Coding clarifications and example duties or titles
Administration	Administrative-intensive roles.	Faculty affairs, graduate program administrators, human resources, academic admissions, career development offices, grant and contracts management, research development, PhD-level program development
Business development, consulting, and strategic alliances	Role that involves the development, execution, management, or analysis of a business. Role may include relationship management, refinement of operational efficiency, or fee-based advisory services.	Management consultant, business development professional, market researcher, investment analyst, venture capitalist
Clinical research management	Role that is responsible for the oversight, management, or design of clinical research trials.	Clinical research project/trials manager or coordinator.
Clinical services	Role that involves that administration of clinical services or research	Genetics counselor, testing specialist, clinical laboratory staff
Data science, analytics, and software engineering	Role that may combine programming, analytics, advanced statistics, data communication, and/or software development.	
Entrepreneurship	Founder, co-founder, CEO or other role that develops, manages, and provides/obtains capital to initiate a business or enterprise. This function does not include staff at a start-up business.	
Faculty: nontenure track	Leading an academic research team and ineligible for tenure.	Research assistant professor, research associate professor, research professor
Faculty: tenured/tenure track	Leading an academic research team and eligible for or already tenured.	Assistant professor, associate professor, professor
Faculty: tenure track unclear or not applicable	Leading an academic research team at an institution where tenure is not granted or tenure status is unknown.	For those tracking down alumni and binning them into job functions, whether someone is or is not on a tenure track is often not clear and should be sorted here.
Group leader (research)	Leading a research team in a nonacademic setting.	Anyone working in industry, non-profit or government who is running a somewhat independent research group. This includes those with "Faculty" titles at VA hospitals and other government research institutions.
Healthcare provider	Role where the primary responsibility is providing healthcare	Doctor, nurse, medical resident, veterinarian
Full-time teaching staff	Full-time institutionalized teaching position with no research responsibilities.	Instructor, Lecturer. Distinct from "Primarily teaching, faculty," these are people teaching at a single university without a faculty appointment.
Intellectual property and law	Role that involves the curation, management, implementation or protection of intelligence and creation, including trademarks, copyrights, patents, or trade secrets. Examples include: patent agent, patent attorney, technology transfer specialist.	
Part-time teaching staff	Contingent teaching role that is contracted on a single-semester, short-term, or non-permanent basis with no research responsibilities.	Instructor, Lecturer. Distinct from "Primarily teaching, faculty," these could include people teaching at multiple universities, indicating contingent status.
Postdoctoral	Temporary mentored training position following completion of doctoral degree.	
Regulatory affairs	Role that involves controlling or evaluating the safety and efficacy of products in areas including pharmaceuticals, medicines, and devices	Institutional regulatory affairs professional, quality control specialist, compliance officer
Research staff or technical director	Role that directly involves performing or managing research	Research staff, staff scientists, lab/core managers, directors of research facilities, public health analyst, and epidemiologists.
Sales and marketing	Non-technical role that is related to the sales or marketing of a science-related product or service	Medical science liaison, technical sales representative, marketing specialist
Science education and outreach	Role that involves K-12 teaching or public outreach at a primary/secondary schools, science museum, scientific society, or similar	High school teacher, museum curriculum development, outreach program administrator
Science policy and government affairs	Role that involves policy or program development and review, including analysis, advisory, or advocacy	Program officer, public affairs or government affairs staff at scientific societies, foundations, government entities, or think tanks
Science writing and communication	Role that involves the communication of science-related topics	Science, medical, or technical writer, journalist, science editor, science publisher
Technical support and product development	Role that requires specialized technical knowledge of a science-related product	Technical support specialist, field application specialist, product development scientist or engineer
Other	Role that does not require scientific training or involve the direct implementation or communication of science	Full-time homemaker, care-taker, chef, food or hospitality services, some types of military service or mission work, or currently unemployed
Completing further education	Pursuing additional education that usually results in graduation with conferrment of a degree or certificate; this does <i>not</i> include postdoctoral research	Pursuing an additional degree in medicine, law, business, or other area.
Deceased/retired	Deceased or retired	
Unknown	Unknown	

Career Outcomes

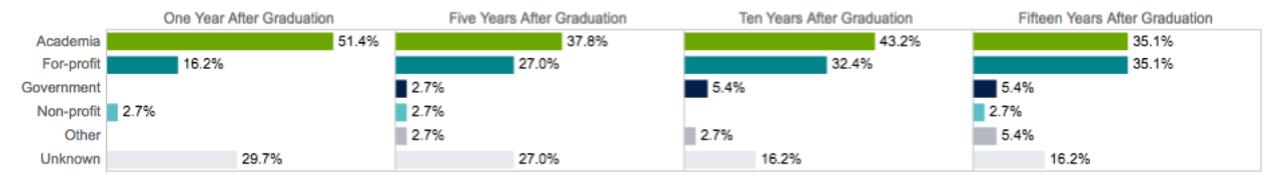
By Year of Graduation Discipline: Basic Sciences Graduating Class: 2002 ?

Total Number of Students: 37

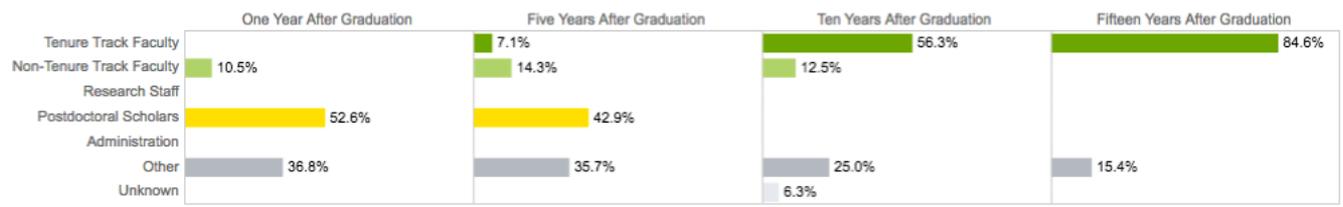
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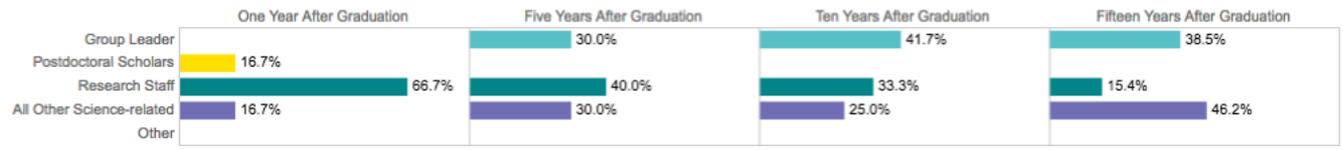
Sector



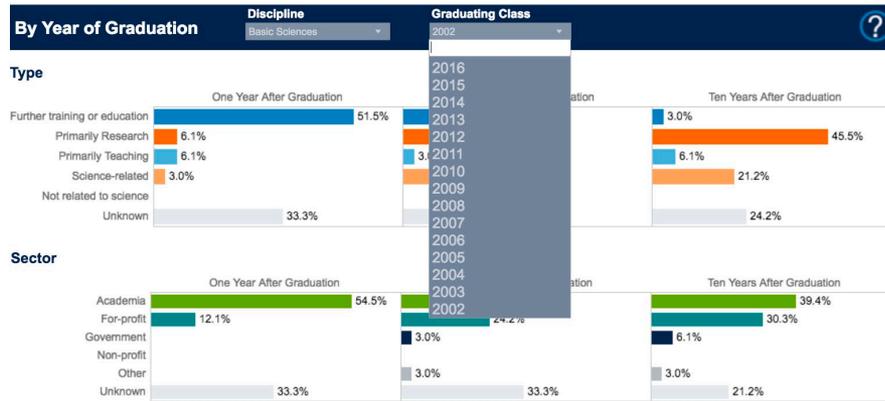
Job Function Within Academia



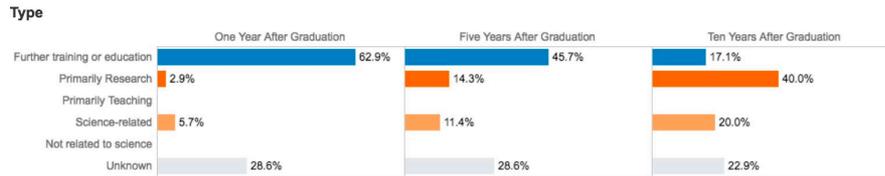
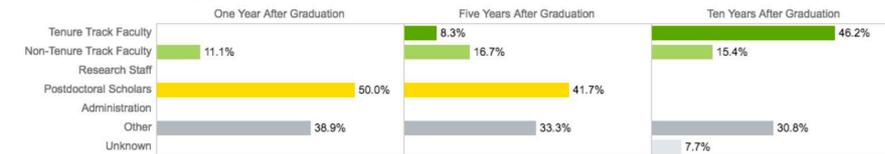
Job Function Within For-profit



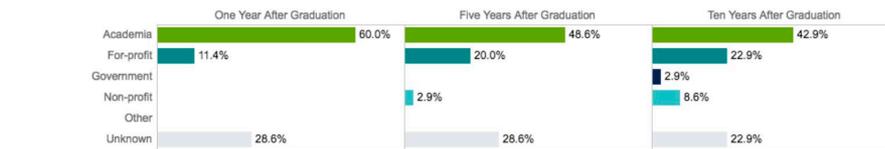
Career Outcomes



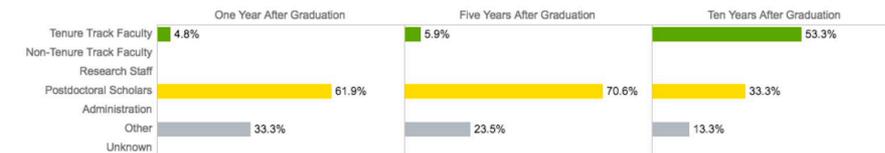
Job Function within Academia



Sector



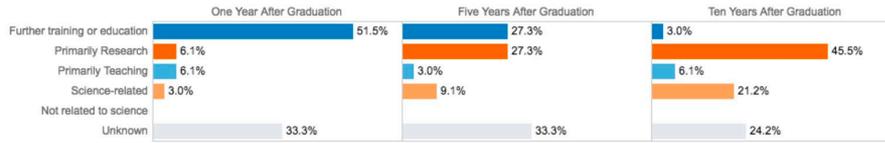
Job Function within Academia



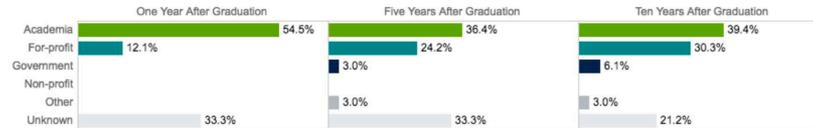
Career Outcomes

By Year of Graduation Discipline: Basic Sciences Graduating Class: 2002

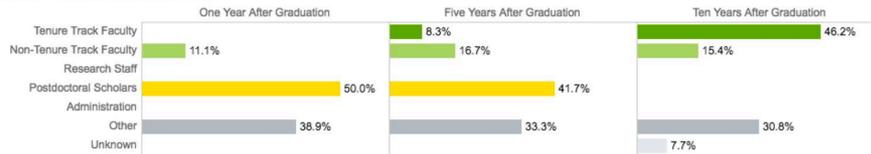
Type



Sector

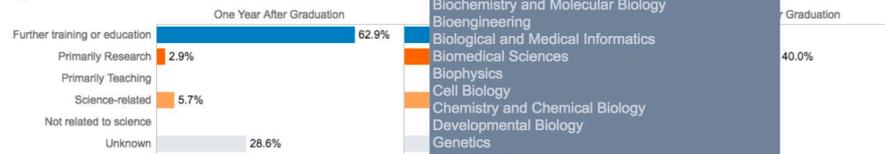


Job Function within Academia

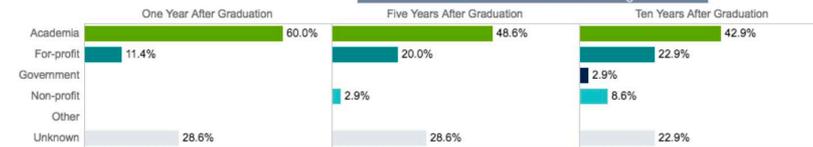


By Five-Year Aggregate Sortable by Program Discipline: Basic Sciences Program: Neuroscience Graduating Class Aggregate: Graduating Classes 2002-2008

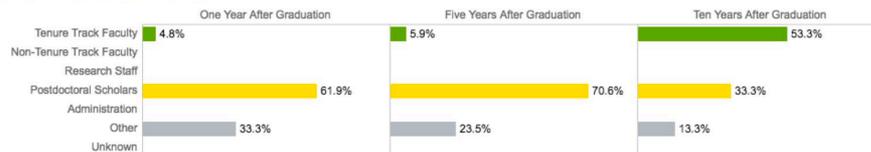
Type



Sector



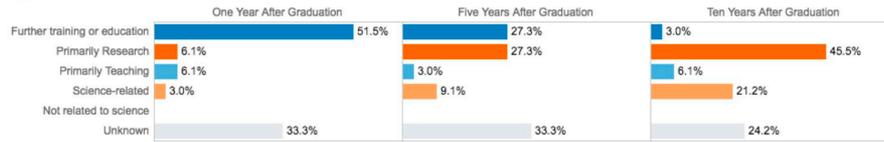
Job Function within Academia



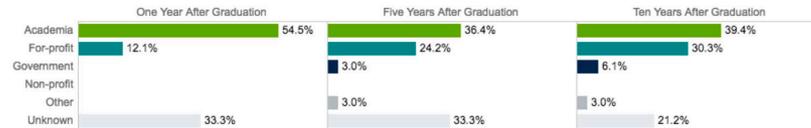
Career Outcomes

By Year of Graduation Discipline: Basic Sciences Graduating Class: 2002

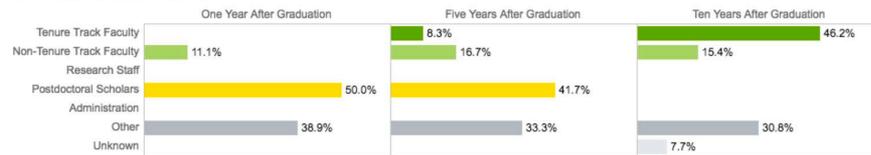
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Sector

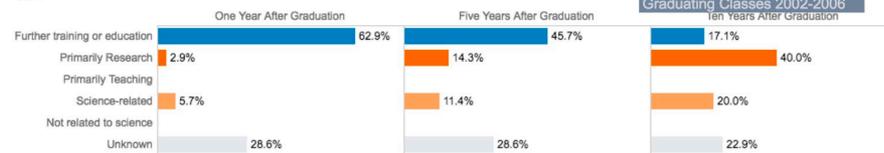


Job Function within Academia

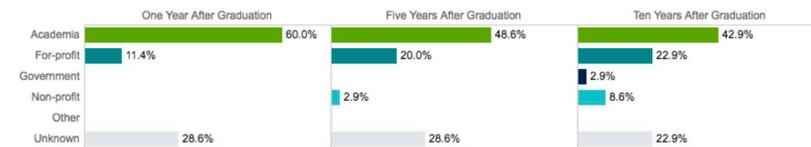


By Five-Year Aggregate Sortable by Program Discipline: Basic Sciences Program: Neuroscience Graduating Class Aggregate: Graduating Classes 2002-2006

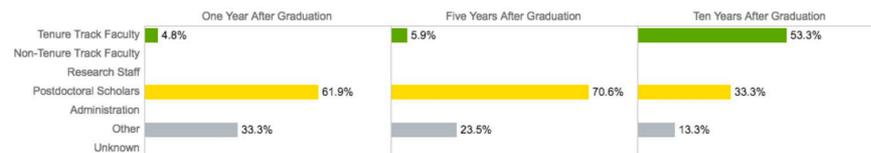
Type



Sector



Job Function within Academia



By Five-Year Aggregate Sortable by Program

Discipline

Basic Sciences

Program

Neuroscience

Graduating Class Aggregate

Graduating Classes 2002-2006

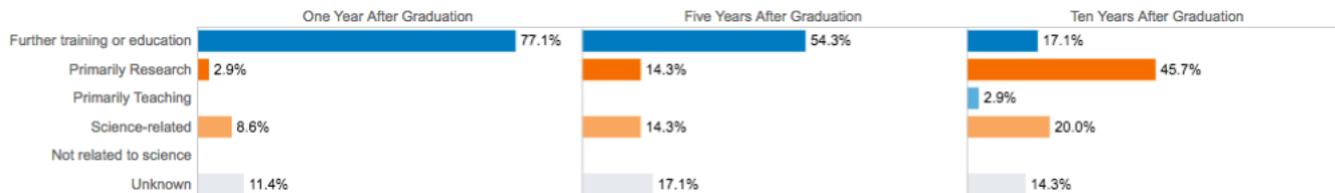
Gender

(All)

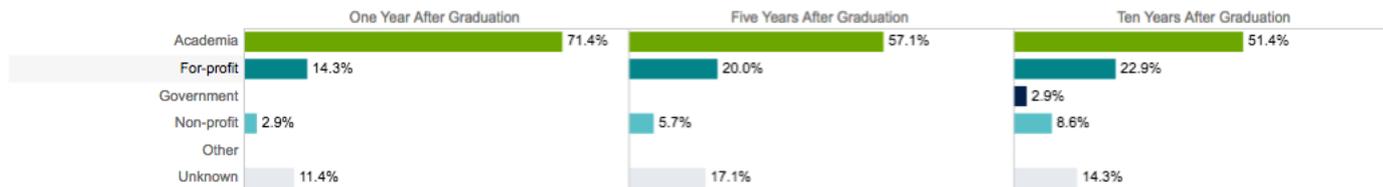


Total Number of Students: 35

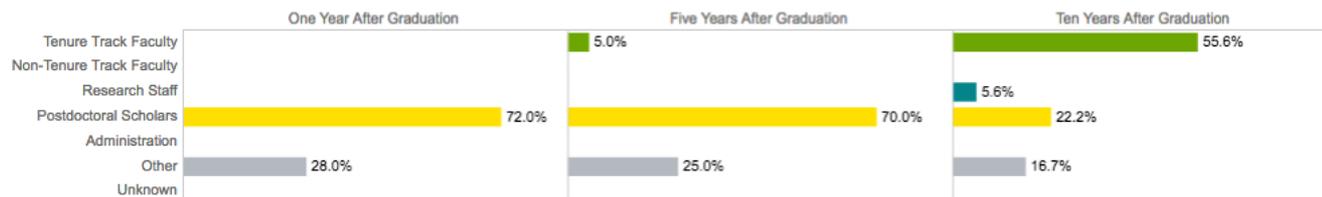
Type



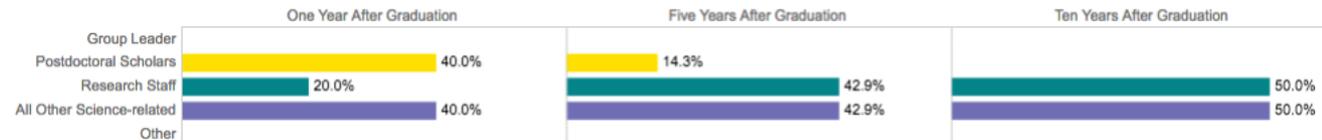
Sector



Job Function Within Academia



Job Function Within For-profit



By Five-Year Aggregate Sortable by Program

Discipline

Basic Sciences

Program

Neuroscience

Graduating Class Aggregate

Graduating Classes 2007-2011

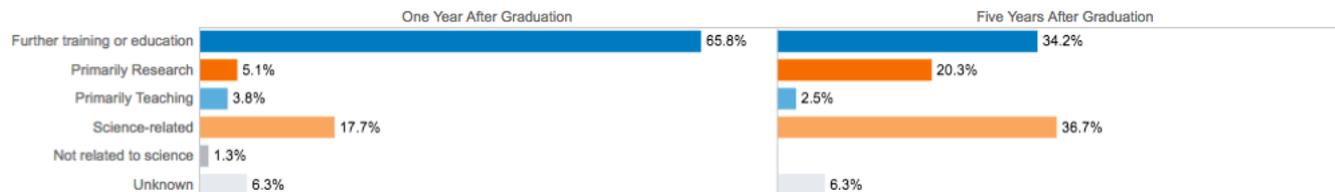
Gender

(All)

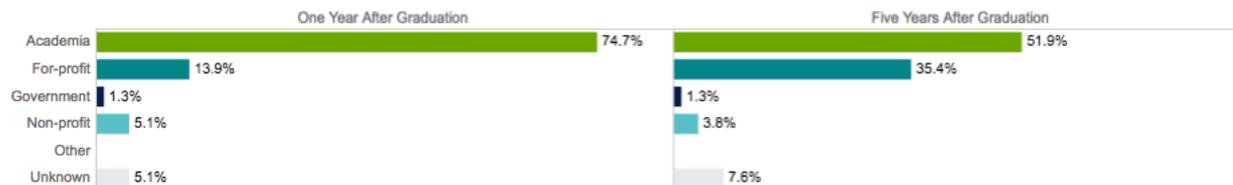


Total Number of Students: 79

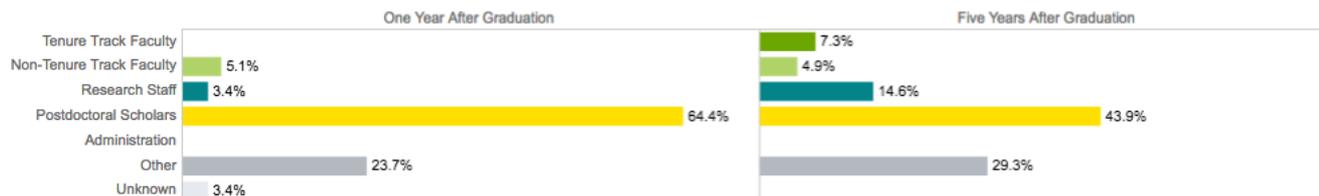
Type



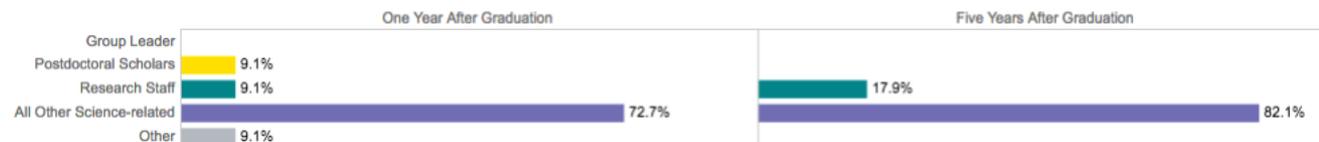
Sector



Job Function Within Academia



Job Function Within For-profit



By Five-Year Aggregate Sortable by Program

Discipline

Basic Sciences

Program

Neuroscience

Graduating Class Aggregate

Graduating Classes 2012-2016

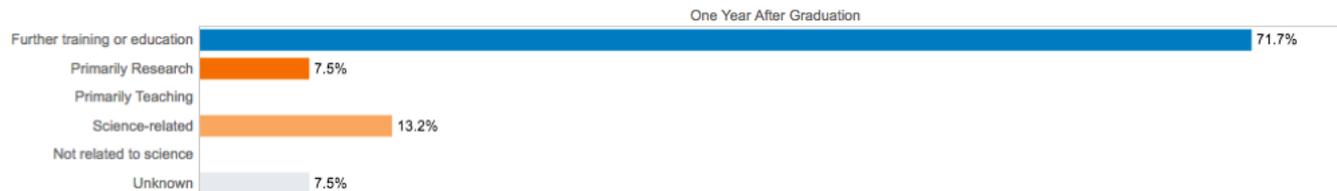
Gender

(All)



Total Number of Students: 53

Type



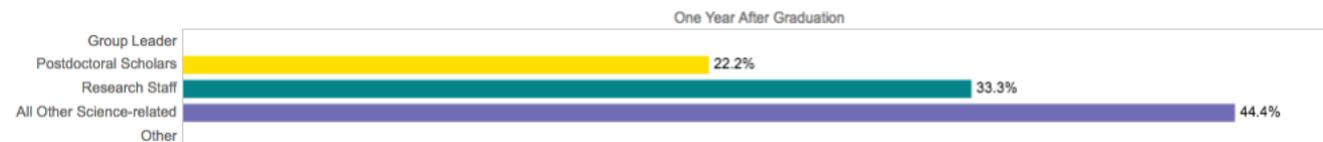
Sector



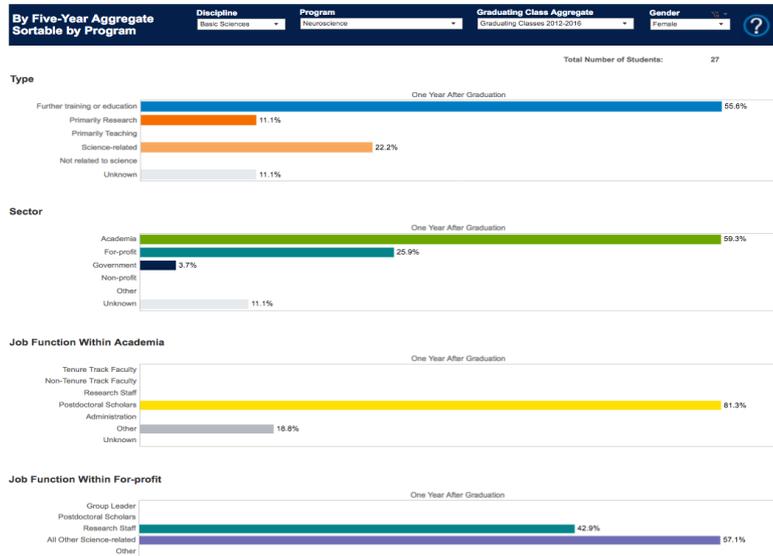
Job Function Within Academia



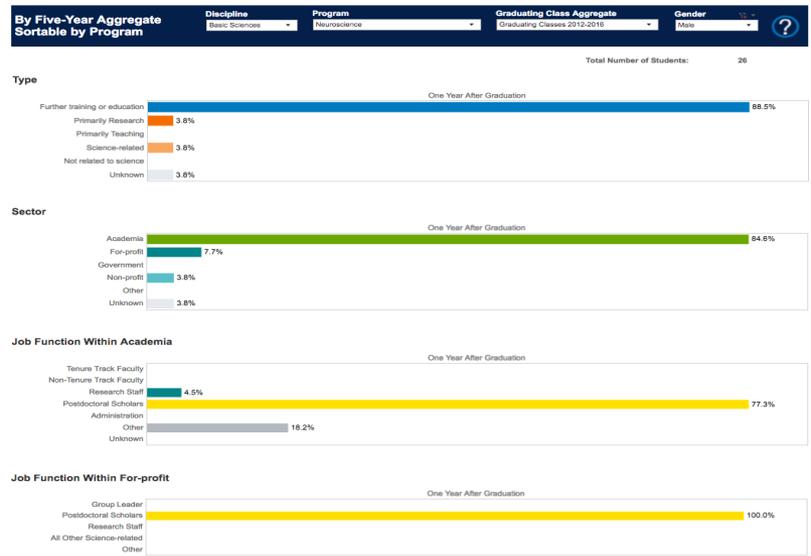
Job Function Within For-profit



Females



Males



Where do our graduates go? A toolkit for retrospective and ongoing career outcomes data collection for biomedical PhD students and postdoctoral scholars

Elizabeth A. Silva, Alicia B. Mejía, Elizabeth S. Watkins

- Posted on BioRxiv
- <https://www.biorxiv.org/content/10.1101/539031v2>