2018-2019 SENATE COUNCIL ON RESEARCH & SCHOLARSHIP (SCORS)

CTSI Support Services for Research & Scholarship and Outcomes: Office of Biomedical Research & Career Development

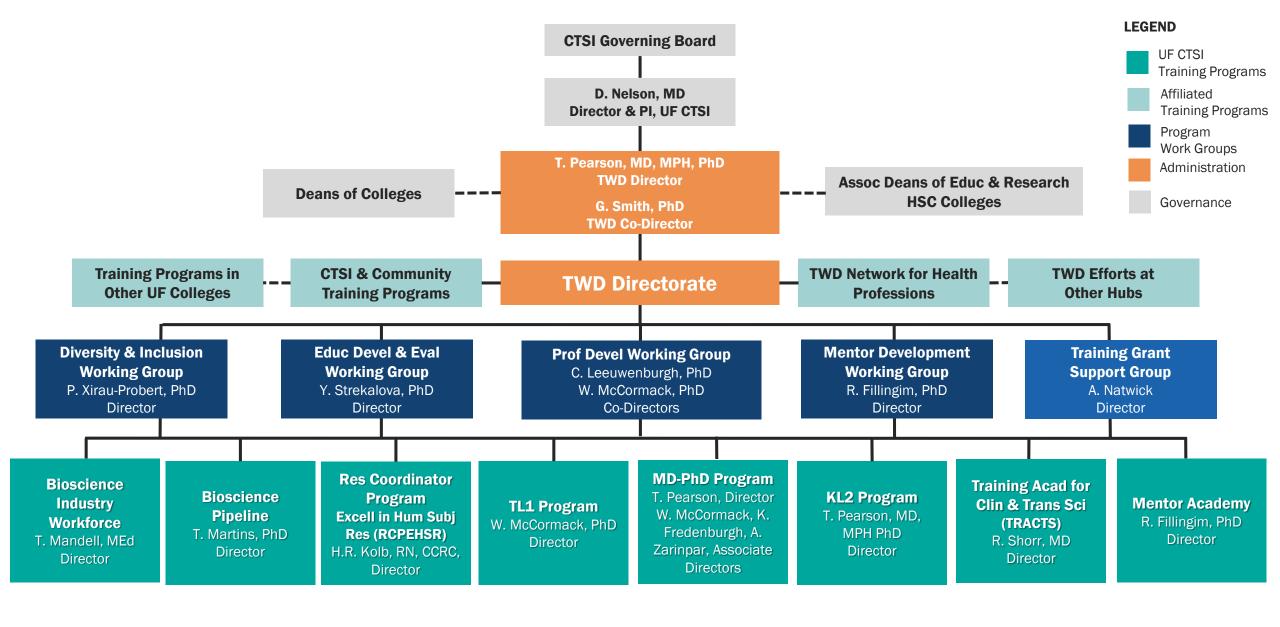
Wayne T. McCormack, PhD





Office of Biomedical Research & Career Development

- Support for Predoc & Postdoc Training
- Training Grant Support
- Alumni Tracking



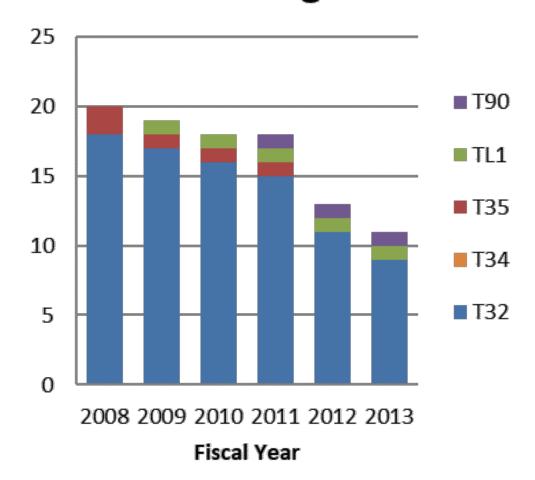


Table 1. Census of Participating Departments and Interdepartmental Programs

| | | | | | OMB Number 0 | 925-0001 and 0925-000 | 2 (Rev. 06/15 Approve | d Through 10/31/2018) |
|---|------------------|--------------------------|--------------------------|---|---|--|--|--|
| Participating Department or Program | Total Faculty | Participating Faculty | Total Pre- doctorates | Total Pre- doctorates Supported by any HHS Training Award | Total Pre- doctorates with Participating Faculty | Eligible Pre- doctorates with Participating Faculty | TGE Pre- doctorates Supported by this Training Grant (Renewals/ Revisions) | Predoctorates Supported by this Training Grant (R90 only Renewals/ Revisions) |
| | | | | | | | | |
| | | | | | | | | |
| Totals | | | | | | | | |

Part II. Postdoctorates

Part I. Predoctorates

- Insight into the environment in which the proposed training will take place
- Summarize these data in the Background Section of the Research Training Program
 Plan
- Describe the organization of the proposed training program, the participating departments and interdepartmental programs, and the extent to which faculty, graduate students, and/or postdoctorates from those departments/ interdepartmental programs participate in the programmatic activities to be supported by the training grant

Table 2. Participating Faculty Members

| Name | Degree(s) | Rank | Primary Department or Program | Research Interest | Training Role | Pre- doctorates in Training | Pre- doctorates Graduated | Predoctorates Continued in Research or Related Careers | Post- doctorates in Training | Post- doctorates Completed Training | Post- doctorates Continued in Research or Related Careers |
|------|-----------|------|-------------------------------------|----------------------|------------------|-----------------------------------|---------------------------------|--|------------------------------------|--|--|
| | | | | | | | | | | | |
| | | | | | | | | | | | |

OMB Number 0925-301 and 0925-0002 (Rev. 06/15 Approved Through 10/31/2018)

- 10-year history
- Distribution of participating faculty by rank (junior vs. senior), by research interests, and by department or interdepartmental program
- Experience of participating faculty in facilitating the progression of predoctorates and postdoctorates in their careers
- Summarize these data in the Research Training Program Plan, within the Background Section and the Program Faculty Section of the Program Plan
- Describe the distribution of participating faculty by academic rank, department or interdepartmental program, areas of research emphasis, and the rationale for the faculty selected to participate in the training grant
- Analyze the data in terms of the overall experience of the faculty in training predoctorates and/or postdoctorates
- Comment on the inclusion of faculty whose mentoring records may suggest limited, recent training experience at either training level (predoctoral or postdoctoral)

Table 3. Federal Institutional Research Training Grants and Related Support Available to Participating Faculty Members

| Grant Title | Award Number | Project Period | PD/PI | Number of Predoctoral Positions | Number of Postdoctoral Positions | Number of Short-Term Positions | Number of Participating Faculty (Number Overlapping) | Names of Overlapping Faculty |
|-------------|--------------|----------------|-------|---------------------------------------|--|--------------------------------------|--|------------------------------------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Totals | | | | | | | | |

- Current level of support for related research training
- Extent to which the proposed training grant has overlap in participating faculty
- Assess institutional environment and determine number of training positions to be awarded
- Summarize these data in the Background Section of the Research Training Program
 Plan
- Use the narrative to summarize the level of research training support at the institution
- Comment on instances where the tabular data indicate that there may be substantial overlap of participating faculty

| Faculty Member | Funding Source | Grant Number | Role On Project | Grant Title | Project Period | Current Year Direct cost |
|---|-------------------|--------------|--------------------|-------------|----------------|--------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Average Grant Support per Participating Faculty Member | , | | 1 | | | |

- Evidence of the strength of the research environment
- Availability of funds to support research conducted by the trainees
- Appropriateness of the participating faculty in terms of their active research support
- Summarize these data in the Program Plan (Program Faculty Section) of the Research Training Program Plan
- Analyze the data in terms of total and average grant support
- Comment on the inclusion of faculty without research grant support in the proposed training program and explain how the research of trainees who may work with these faculty members would be supported

| Faculty Member | Trainee Name | Past or Current Trainee | Training Period | Publications(Author, Year, Title, Journal, Volume, Inclusive Pages) |
|----------------|--------------|-------------------------------|-----------------|---|
| | | | | |
| | | | | |

Table 5B. Publications of Those in Training: Postdoctoral

OMB Number 0925-0001 and 0925-0002 (Rev. 06/15 Approved Through 10/31/2018)

| Faculty Member | Trainee Name | Past or Current Trainee | Training Period | Publications(Author, Year, Title, Journal, Volume, Inclusive Pages) |
|----------------|--------------|-------------------------------|-----------------|---|
| | | | | |
| | | | | |

- 10-year history & current, abstracts allowed
- We search for trainees & mentor as co-authors, up to 3 years past training period
- Ability of each faculty member to foster trainee productivity through generation of publishable results
- Assessment of the research quality and authorship priority of trainees
- Summarize these data in the body of the application, including, for example, the
 average number of publications, how many students published as first author, and
 how many students completed doctoral training without any first-author publication
 resulting from their graduate research

Part I. Counts

OMB Number 0925-0001 and 0925-0002 (Rev. 06/15 Approved Through 10/31/2018)

| Most Recently Completed Year: 2013-2014 | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants Eligible for Support | New Entrants Appointed to this Grant (Renewal/Revision Applications Only) |
|---|-------------------------|---------------------------------------|-----------------------------|---|---|
| | | | | | |
| | | | | | |
| Total | | | | | |

| Previous Year: 2012-2013 | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants Eligible for Support | New Entrants Appointed to this Grant (Renewal/Revision Applications Only) |
|--------------------------|-------------------------|---------------------------------------|-----------------------------|---|---|
| | | | | | |
| Total | | | | | |
| Total All Years Count | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants Eligible for Support | New Entrants Appointed to this Grant (Renewal/Revision Applications Only) |
| Mean Count Across Years | | | | | |

- Past 5 academic years
- Ability of participating departments/interdepartmental programs to recruit trainees
- Selectivity of admissions process, competitiveness of training program, and the appropriate number of training positions to be awarded
- Summarize these data in the Program Plan (Trainee Candidate Section) of the Research Training Program Plan
- Analyze the data in terms of the overall numbers of potential trainees, their credentials, characteristics, and eligibility for support, and enrollment trends

| Part II. Characteristics | | | | | |
|---|-------------------------|---------------------------------|-----------------------------|-----------------------------|---|
| Most Recent Program Year: 2013-2014 | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants for Support | New Entrants Appointed to this Grant (Renewal/Revision Applications Only) |
| Mean Months of Prior, Full Time Research Experience (range) | ; | | | | |
| Prior Institutions | | | | | |
| Percent with a Disability | | | | | |
| Percent from Underrepresented Racial & Ethnic Groups | | | | | |
| Mean GPA (range) | No mor | e GRE sco | res! | | |

| Previous Program Year: 2012-2013 | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants for Support | New Entrants Appointed to this Grant (Renewal/Revision Applications Only) |
|---|-------------------------|---------------------------------------|-----------------------------|-----------------------------|---|
| Mean Months of Prior, Full Time Research Experience (range) | | | | | |
| Prior Institutions | | | | | |
| Percent with a Disability | | | | | |
| Percent from Underrepresented Racial & Ethnic Groups | | | | | |
| Mean GPA (range) | | | | | |

| Mean Across All Years | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants for Support | New Entrants Appointed to this Grant (Renewal/Revisions Applications Only) |
|---|-------------------------|---------------------------------------|-----------------------------|-----------------------------|--|
| Mean Months of Prior, Full Time Research Experience (range) | | | | | |
| Percent with a Disability | | | | | |
| Percent from Underrepresented Racial & Ethnic Groups | | | | | |
| Mean GPA (range) | | | | | |



OMB Number 0925-0001 and 0925-0002 (Rev. 06/15 Approved Through 10/31/2018)

| Most Recently Completed Year: 2013- 2014 | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants Eligible for Support | New Entrants Appointed to this Grant (Renewal/Revision Applications Only) |
|---|----------------------------|---------------------------------|-----------------------------|---|---|
| PhDs | | | | | |
| MDs | | | | | |
| Dual Degree Holders | | | | | |
| Other Degree Holders | | | | | |
| Total | | | | | |

| Previous Year: 2012-2013 | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants Eligible for Support | New Entrants Appointed to this Grant (Renewal/Revision Applications Only) |
|--------------------------|----------------------------|---------------------------------------|-----------------------------|---|---|
| PhDs | | | | | |
| MDs | | | | | |
| Dual Degree Holders | | | | | |
| Other Degree Holders | | | | | |
| Total | | | | | |

| Means All Years Count | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants Eligible for Support | New Entrants Appointed to this Grant (Renewal/Revision Applications Only) |
|-----------------------|----------------------------|---------------------------------------|-----------------------------|---|---|
| PhDs | | | | | |
| MDs | | | | | |
| Dual Degree Holders | | | | | |
| Other Degree Holders | | | | | |
| Total | | | | | |

Part II. Characteristics

| Most Recent Program Year : 2013-2014 | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants for Support | New Entrants Appointed to this Grant (Renewal/Revisions Applications Only) |
|---|-------------------------|---------------------------------------|-----------------------------|-----------------------------|--|
| Mean Number of Publications (range) | | | | | |
| Mean Number of First-Author Publications (range) | | | | | |
| Prior Institutions | | | | | |
| Percent with a Disability | | | | | |
| Percent from Underrepresented Racial & Ethnic Groups | | | | | |

| Previous Program Year : 2012-2013 | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants for Support | New Entrants Appointed to this Grant (Renewal/Revisions Applications Only) |
|---|-------------------------|---------------------------------------|-----------------------------|-----------------------------|--|
| Mean Number of Publications (range) | | | | | |
| Mean Number of First-Author Publications (range) | | | | | |
| Prior Institutions | | | | | |
| Percent with a Disability | | | | | |
| Percent from Underrepresented Racial & Ethnic Groups | | | | | |

| Mean Across All Years | Total Applicant Pool | Applicants Eligible for Support | New Entrants to the Program | New Entrants for Support | New Entrants Appointed to this Grant (Renewal/Revisions Applications Only) |
|---|-------------------------|---------------------------------------|-----------------------------|-----------------------------|--|
| Mean Number of Publications (range) | | | | | |
| Mean Number of First-Author Publications (range) | | | | | |
| Percent with a Disability | | | | | |
| Percent from Underrepresented Racial & Ethnic Groups | | | | | |

Table 7. Appointments to the Training Grant for Each Year of the Current Project Period

| | | | OMB Numbe | er 0925-0001 and 0925-0002 | (Rev. 06/15 Approved Through 10/31/2018 |
|---------------------------------------|----------------|----------------|----------------|----------------------------|---|
| Training Positions | Budget year 01 | Budget Year 02 | Budget Year 03 | Budget Year 04 | Sum of Budget Years |
| Predoctoral Awarded | | | | | |
| Predoctoral Appointed | | | | | |
| - Predoctoral: Dual Degree | | | | | |
| - Predoctoral: Diverse Backgrounds | | | | | |
| Postdoctoral Awarded | | | | | |
| Postdoctoral Appointed | | | | | |
| - Postdoctoral: MD or Equivalent | | | | | |
| - Postdoctoral: PhD or Equivalent | | | | | |
| - Postdoctoral: DDS, DVM, Other | | | | | |
| - Postdoctoral: Dual-Degree | | | | | |
| - Postdoctoral: Diverse backgrounds | | | | | |
| Short-term Awarded | | | | | |
| Short-term Appointed | | | | | |
| - Short Term: Diverse Backgrounds | | | | | |

- Renewal/Revision Applications only evaluation of the use of awarded training positions
- "Awarded" and "Appointed" counts auto-filled ("Appointed" editable)
- Summarize these data in the Progress Report Section of the Research Training Program Plan
- If any trainee positions were not filled, if any trainees terminated early, or if the distribution of appointed positions differs from the distribution of awarded positions, provide an explanation
- It may also be useful to refer to these data within the Recruitment and Retention Plan to Enhance Diversity Section of the Research Training Program Plan

| Trainee | Faculty Member | Start Date | Summary of Support During Training | Terminal Degree(s) Received and Year | Topic of Research Project | Initial Position Department Institution Activity | Current Position Department Institution Activity | Subsequent Grant(s)/Role/ Year Awarded |
|---------|-------------------|------------|--|---|---------------------------------|--|--|--|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Part II. Those Clearly Associated with the Training Grant

| Trainee | Faculty Member | Start Date | Summary of Support During Training | Terminal Degree(s) Received and Year | Topic of Research Project | Initial Position Department Institution Activity | Current Position Department Institution Activity | Subsequent Grant(s)/Role/ Year Awarded |
|---------|-------------------|---------------|---|---|---------------------------------|---|---|--|
| | | | | | | | | |
| | | | | | | | | |

- New applications effectiveness of the proposed training program
- Renewal applications use of predoctoral training positions (e.g., distribution by faculty member, year in program, years of support per trainee)
- Effectiveness of the supported training program in achieving the training objectives of the prior award period(s) for up to 15 years
- Summarize the data from Parts I-III (as applicable) in the Research Training Program
 Plan, either in the Program Plan Section or the Progress Report Section, as
 appropriate

Part III. Recent Graduates (Only for New Applications and for Postdoctoral Renewal/Revision Applications Requesting an Expansion for Predoctoral Support)

| Trainee | Faculty Member | Start Date | Summary of Support During Training | Terminal Degree(s) Received and Year | Topic of Research Project | Initial Position Department Institution Activity | Current Position Department Institution Activity | Subsequent Grant(s)/Role/Year Awarded |
|---------|-------------------|---------------|---|---|---------------------------------|---|---|---|
| | | | | | | | | |
| | | | | | | | | |

Part IV. Program Statistics

| Percentage of Trainees Entering Graduate School 10 Years Ago Who Completed the PhD | Average Time to PhD for Trainees in the Last 10 years (not including leaves of absence) |
|--|---|
| | |

Table 8B. Program Outcomes: Short-Term

OMB Number 0925-0001 and 0925-0002 (Rev. 06/15 Approved Through 10/31/2018)

| Trainee | Category of Trainee | Faculty Members | Start Date | Topic of Research Project | Subsequent Training or Related Award/Role/Year |
|---------|------------------------|--------------------|------------|---------------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |

OMB Number 0925-0001 and 0925-0002 (Rev. 06/15 Approved Through 10/31/2018)

| Trainee | Doctoral Degree(s) and Year(s) | Faculty Member | Start Date | Summary of Support During Training | Degree(s) Resulting from Post- doctoral Training and Year(s) | Topic of Research Project | Initial Position Department Institution Activity | Current Position Department Institution Activity | Subsequent Grant(s)/ Role/ Year Awarded |
|---------|--------------------------------------|-------------------|---------------|---|--|---------------------------------|--|--|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Part II. Those Clearly Associated with the Training Grant

| Trainee | Doctoral Degree(s) and Year(s) | Faculty Member | Start Date | Summary of Support during Training | Degree(s) Resulting from Post- doctoral Training and Year(s) | Topic of Research Project | Initial Position Department Institution Activity | Current Position Department Institution Activity | Subsequent Grant(s)/ Role/ Year Awarded |
|---------|--------------------------------------|-------------------|---------------|---|--|---------------------------------|--|--|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Part III. Recent Graduates (Only For New Applications and Predoctoral Renewal/Revision Applications Requesting Postdoctoral Support)

| Trainee | Doctoral Degree(s) and Year(s) | Faculty Member | Start Date | Summary of Support during Training | Degree(s) Resulting from Post- doctoral Training and Year(s) | Topic of Research Project | Initial Position Department Institution Activity | Current Position Department Institution Activity | Subsequent Grant(s)/ Role/ Year Awarded |
|---------|--------------------------------------|-------------------|---------------|---|--|---------------------------------|--|--|---|
| | | | | | | | | | |
| | | | | | | | | | |



Clinical and Translational Science Institute UNIVERSITY of FLORIDA



About • Research Services • Research Initiatives • Education • Community • Contact • C

Education Overview

- > PhD Students
- > Clinical Fellows and Junior Faculty
- > Faculty
- > Clinical Research Professionals
- Grant-Writing Courses, Workshops, and Toolkits

Grant-Writing Courses and Workshops

F Force - NIH Fellowship Toolkit

 T Team - NIH Training Grants at the University of Florida

K College - NIH Career Development Award Toolkit

D Detail - NIH Diversity Supplements Toolkit

Loan Repayment Program Toolkit

SIG and HEI Grants

Pilot Grants

Grant-Writing Courses, Workshops, and Toolkits

New UFHealth Faculty Directory

Need help finding people? Check out the new faculty directory at https://directory.ufhealth.org!

T TEAM - NIH TRAINING GRANTS TOOLKIT

BY DETAIL - NIH DIVERSITY SUPPLEMENTS TOOLKIT

SIG AND HEI GRANTS TOOLKIT

F FORCE - NIH INDIVIDUAL FELLOWSHIPS TOOLKIT

K COLLEGE - NIH CAREER DEVELOPMENT AWARDS
TOOLKIT

LOAN REPAYMENT PROGRAM TOOLKIT

PILOT GRANTS TOOLKIT

Clinical and Translational Science Institute UNIVERSITY of FLORIDA



| n | About ~ | Research Services 🔻 | Research Initiatives 🔻 | Education • | Community · | Contact 🗸 |
|-----------|---------------|----------------------------------|------------------------------------|--------------------|------------------------------|-----------|
| EDUCATION | GRANT-WRITING | COURSES, WORKSHOPS, AND TOOLKITS | T TEAM - NIH TRAINING GRANTS AT TH | E UNIVERSITY TRAIN | IING GRANT APPLICATION RESOU | RCES |

Education Overview

- > PhD Students
- > Clinical Fellows and Junior Faculty
- > Faculty
- > Clinical Research Professionals
- Grant-Writing Courses, Workshops, and Toolkits

Grant-Writing Courses and Workshops

F Force - NIH Fellowship Toolkit

 T Team - NIH Training Grants at the University of Florida

> Training Grant Application Resources

Training Grant Administration Resources

Training Grant Application Resources

Interested in writing a training grant?

The Office of Biomedical Research Career Development is here to help you. We can assist you with:

- Boilerplate language describing core curricula and facilities
- · Diversity and inclusion efforts, evaluation and education structure
- Data tables
- · Letters of institutional support
- Assembling training faculty in your area with the highest commitment to mentoring students

Find the RFA most appropriate to your endeavor and we will get to work on your application!

Training Grant Resources

Facilities and Curricula Descriptions

Facilities and Other Resources

HSC Graduate Certificates List

Sample T32 Institutional Commitment Letter

UF Letter on Prevention of Discriminatory Harassment on NIH Training Grants

Sample T32 Plan for Instruction in the Responsible Conduct of Research

Course Syllabus: GMS 6848 Ensuring Rigor and Reproducibility in Clinical & Translational Research

Course Syllabus: GMS 7877 Responsible Conduct of Biomedical Research

T32 Career and Professional Development Plan

Diversity and Inclusion Efforts

Diversity and Inclusion Recruitment and Retention Presentation

Recruitment and Retention Plan

How the NIH Evaluates the Recruitment Plan to Enhance Diversity

Training Grant Resources

Evaluation and Education Resources

Guidance for Writing T32 Curriculum and Evaluation Components

Mentoring Resources

Mentor Academy

Mentor/Trainee Compact

AAMC Compact Between Biomedical Graduate Students and Their Research Advisors

AAMC Compact Between Postdoctoral Appointees

Further Resources

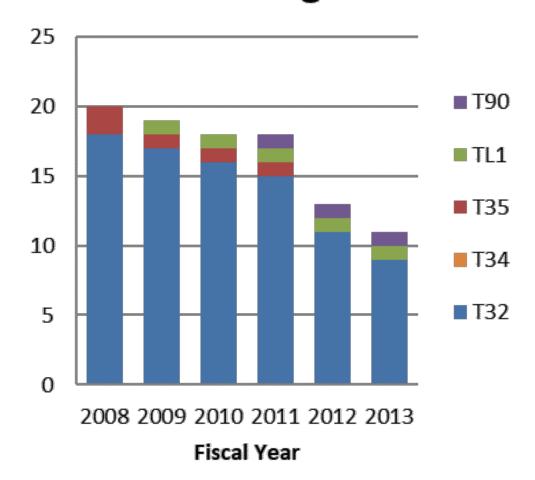
<u>Tips on Writing NIH Biosketches for Training Grants</u>

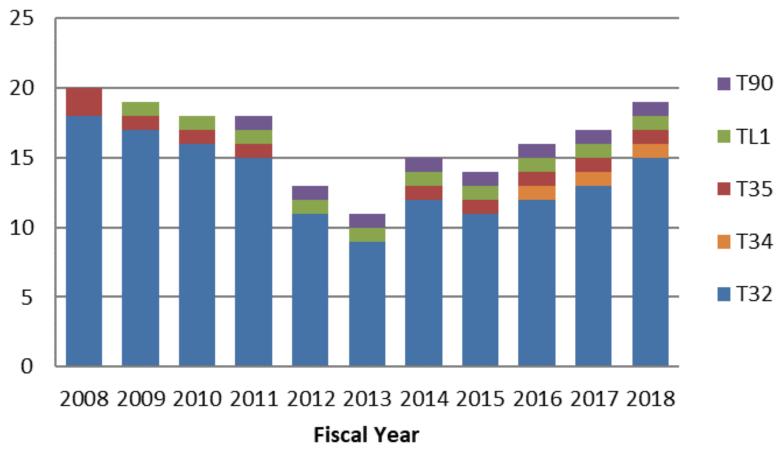
Effectively Using an External Advisory Board

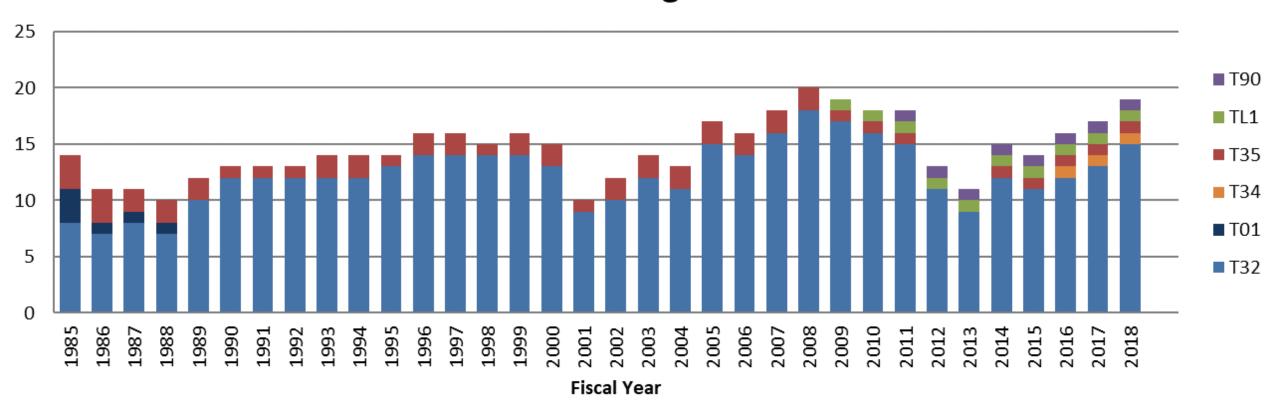
UF Health Directory

Training Grant Library

Updates from the NIH

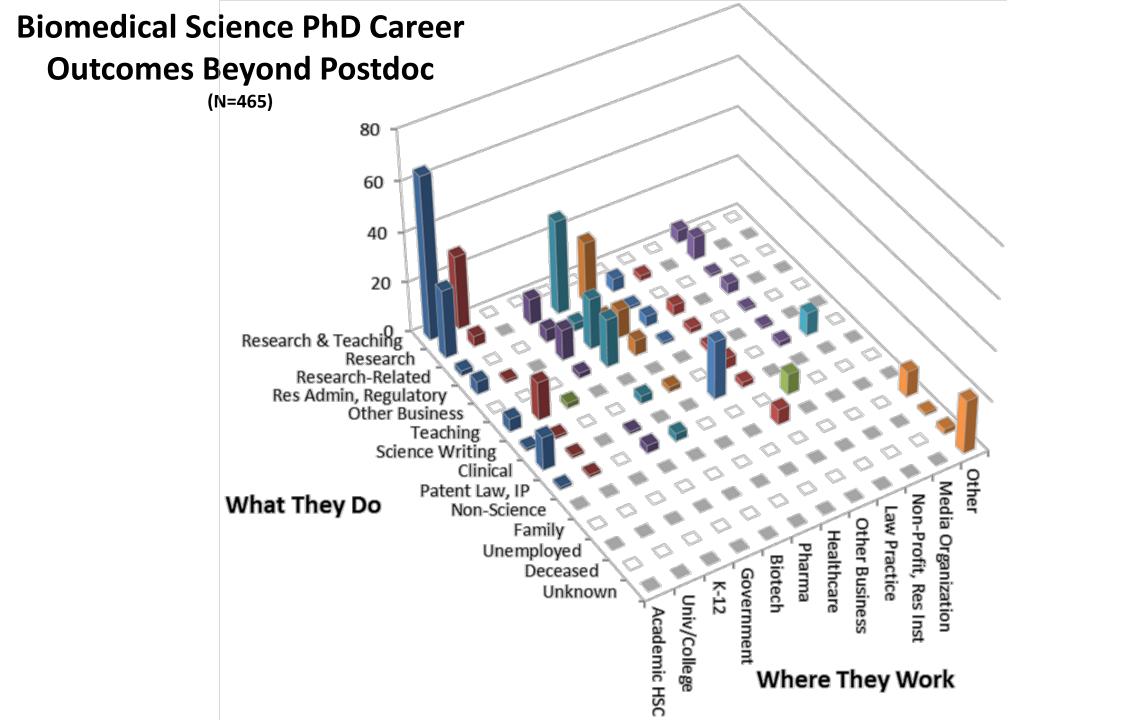






Trainee Tracking

- Training Grant Database
- Predoctoral & Postdoctoral Trainees
 - All HSC colleges & selected other departments/programs
 - All current trainees
 - 15-year history of past trainees
 - Data:
 - Qualifications, publications, support, etc.
- Tracking of employment history



2018-2019 SENATE COUNCIL ON RESEARCH & SCHOLARSHIP (SCORS)

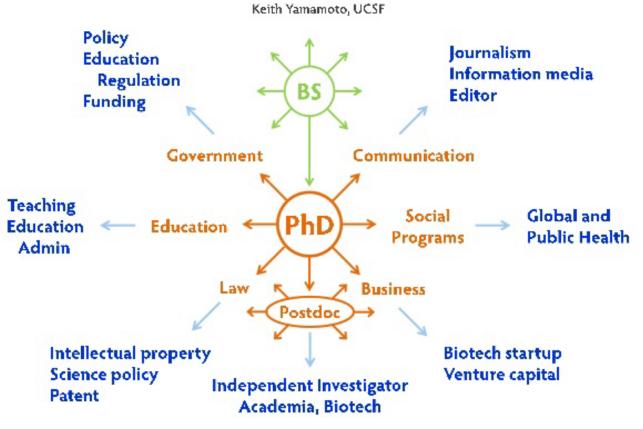
CTSI Support Services for Research & Scholarship and Outcomes: Office of Biomedical Research & Career Development

Wayne T. McCormack, PhD

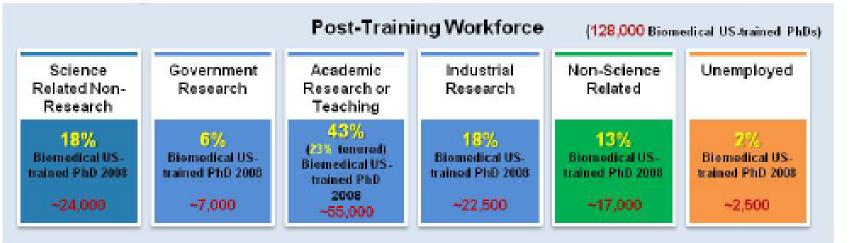




What are career options for PhDs?



NIH Biomedical Research Workforce Working Group Report, 2012





610 PhD graduates (matriculated since Fall 1996)

590 PhD graduates tracked (97%)

Does not include MD-PhD students

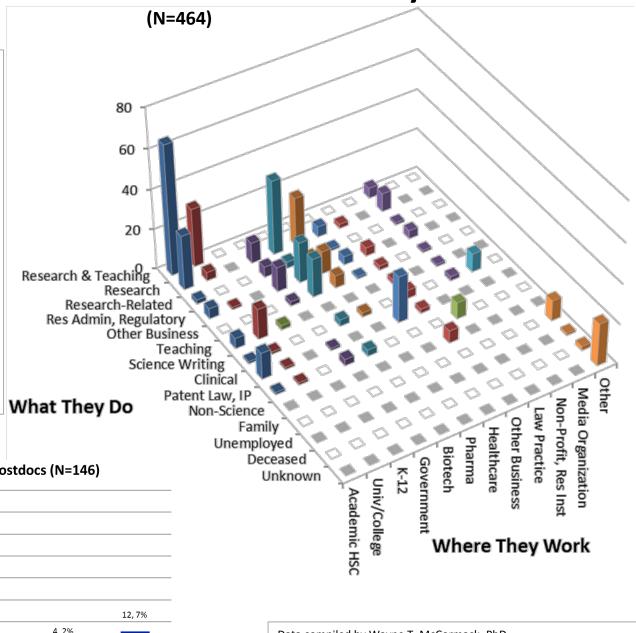
Demographics: 332 female (54%), 278 male (46%), 57 URM (9.3%)

Biomedical Sciences PhD Alumni – Current Career Status (as of February 2018)

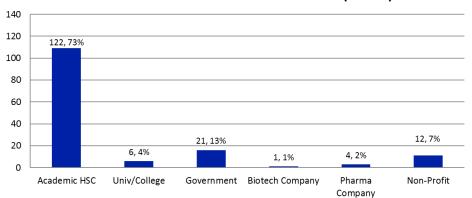
| <u>What They Do</u> : Where They Work | Postdoc | Research & Teaching | Teaching | Research | | Res Admin, Regulatory | | Clinical | Business | Patent Law, IP | Non- Science | Family Care | Unempl | Deceased | | |
|---|---------|------------------------|----------|----------|----|--------------------------|----|----------|----------|-------------------|-----------------|----------------|--------|----------|-----|-----|
| Academic HSC | 110 | 65 | 5 | 27 | 2 | 5 | 1 | 13 | 0 | 1 | 0 | 0 | 0 | 0 | 229 | 39% |
| Univ/College | 6 | 29 | 15 | 4 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 58 | 10% |
| K-12 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0% |
| Government | 15 | 0 | 0 | 10 | 5 | 12 | 0 | 1 | 2 | 3 | 1 | 0 | 0 | 0 | 49 | 8% |
| Biotech | 1 | 0 | 0 | 37 | 3 | 20 | 3 | 0 | 19 | 3 | 0 | 0 | 0 | 0 | 86 | 15% |
| Pharma | 3 | 0 | 0 | 24 | 1 | 11 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 47 | 8% |
| Healthcare | 0 | 0 | 0 | 5 | 1 | 4 | 0 | 23 | 1 | 0 | 0 | 0 | 0 | 0 | 34 | 6% |
| Other Bus | 0 | 0 | 2 | 2 | 0 | 4 | 4 | 2 | 2 | 0 | 6 | 0 | 0 | 0 | 22 | 4% |
| Law Practice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 | 1% |
| Non-Profit | 11 | 5 | 1 | 9 | 1 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 34 | 6% |
| Media Org | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1% |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1 | 2 | 13 | 2% |
| | 146 | 99 | 25 | 118 | 13 | 61 | 21 | 40 | 31 | 16 | 7 | 10 | 1 | 2 | 590 | |
| | 24% | 16% | 4% | 19% | 2% | 10% | 3% | 7% | 5% | 3% | 1% | 2% | 0% | 0% | | |

Biomedical Science PhD Career Outcomes Beyond Postdoc

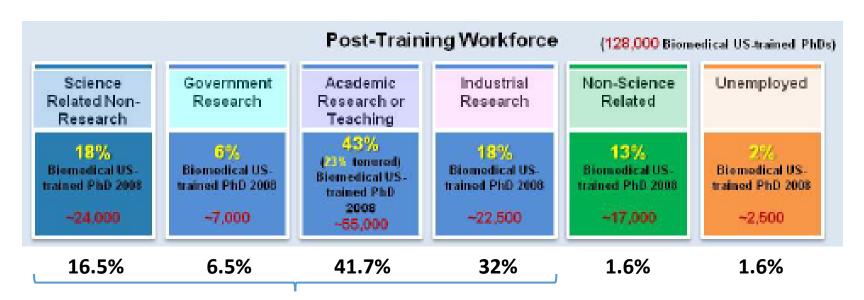
- Career outcomes are diverse!
- 97% of all tracked PhD alumni are in science or science-related positions
 - √ 49% work in academia
- The top 5 career outcomes after postdoc (39%) are:
 - ✓ HSC faculty member
 - ✓ Biotech researcher
 - ✓ Other faculty member
 - ✓ HSC researcher
 - ✓ Pharma researcher



Current Biomedical Science PhD Postdocs (N=146)



Data compiled by Wayne T. McCormack, PhD
Director, UF Health Office of Biomedical Research Career Development
http://graddev.ufhealth.org 2/18

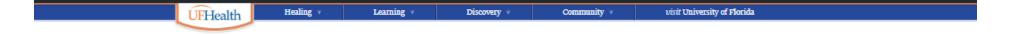


Desired outcomes 97% at UF COM vs. 85% nationally

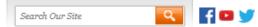
| What They Do: Where They Work | Postdoc | Research & Teaching | Teaching | Research | Research- Related | Res Admin, Regulatory | Science Writing | Clinical | Business | Patent Law, IP | Non- Science | Family Care | | |
|----------------------------------|---------|---------------------|----------|----------|----------------------|--------------------------|--------------------|----------|----------|-------------------|-----------------|----------------|-----|------|
| Academic HSC | 122 | 53 | 3 | 31 | 0 | 2 | 1 | 15 | 0 | 1 | 0 | 0 | 228 | 43% |
| University/College | 6 | 26 | 14 | 4 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 52 | 10% |
| K-12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3% |
| Government | 21 | 0 | 1 | 7 | 3 | 9 | 0 | 1 | 0 | 3 | 0 | 0 | 45 | 8% |
| Biotech Company | 1 | 1 | 1 | 43 | 11 | 14 | 2 | 0 | 6 | 3 | 0 | 0 | 82 | 15% |
| Pharma Company | 4 | 1 | 0 | 20 | 4 | 8 | 3 | 0 | 1 | 0 | 0 | 0 | 41 | 8% |
| Healthcare | 0 | 0 | 0 | 5 | 1 | 1 | 0 | 13 | 0 | 0 | 0 | 0 | 20 | 4% |
| Other Business | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 6 | 0 | 14 | 3% |
| Law Practice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 1% |
| Non-Profit | 12 | 2 | 0 | 12 | 2 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 34 | 6% |
| Media Organization | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 | 1% |
| At Home | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 1% |
| | 166 | 83 | 20 | 122 | 21 | 41 | 19 | 30 | 8 | 13 | 6 | 6 | 535 | |
| | 31% | 16% | 4% | 23% | 4% | 8% | 4% | 6% | 1% | 2% | 1% | 1% | | |

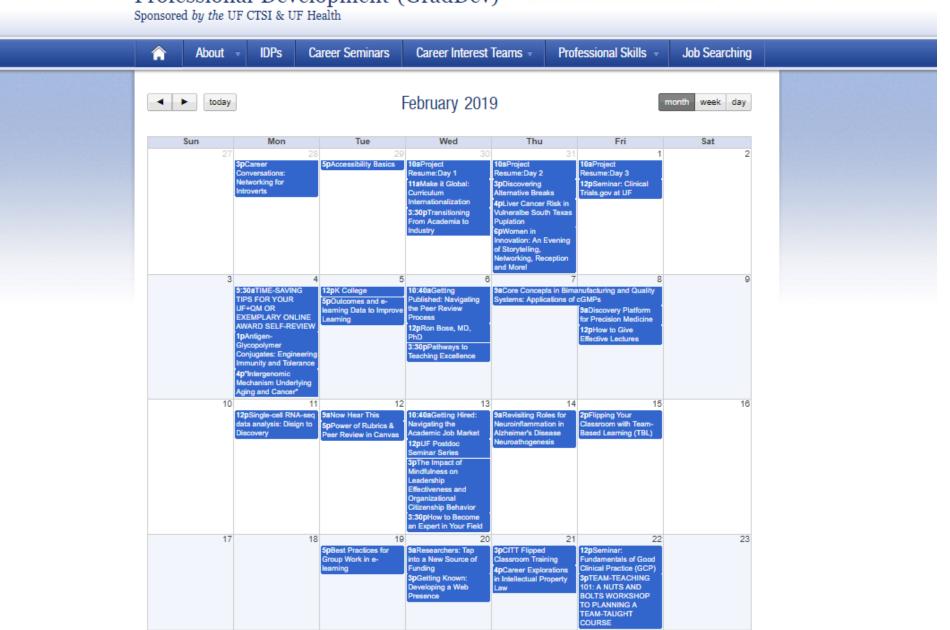
http://graddev.ufhealth.org





Grad Student & Postdoc Career and Professional Development (GradDev)





https://graddev.ufhealth.org/career-interest-teams/



https://graddev.ufhealth.org/professional-skills/

Professional Skills: 2-Year Curriculum

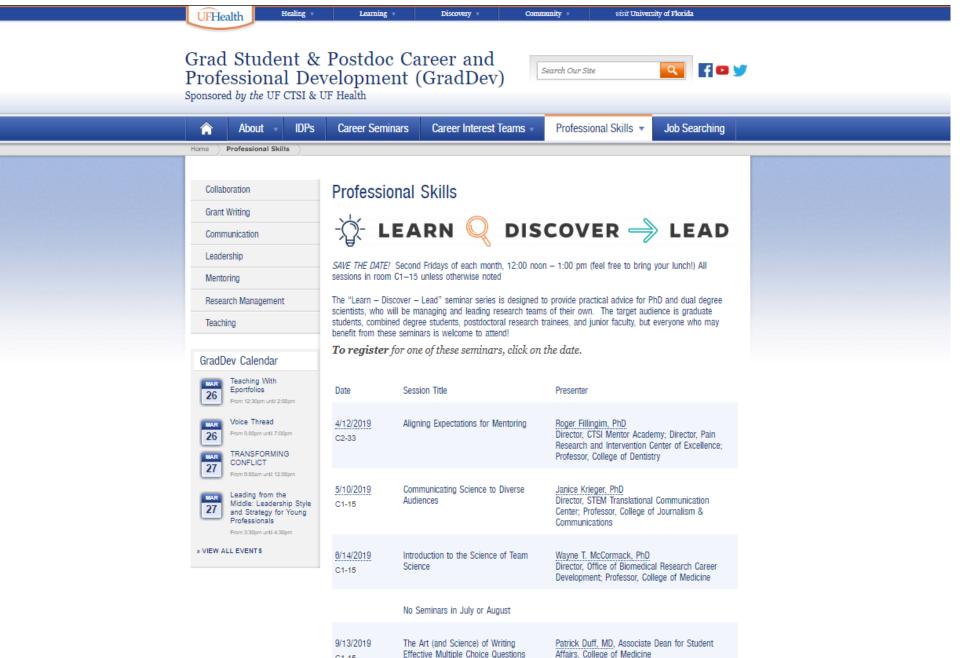
Sample Topics:

- Mentoring and Being Mentored
- University Structure & Planning for Tenure
- Staffing Your Laboratory
- Laboratory Leadership in Science
- Obtaining and Negotiating a Faculty Position
- Getting Funded
- Understanding Technology Transfer



- Getting Published & Increasing Your Visibility
- Time and Project Management
- Introduction to the Science of Team Science
- Effective Science
 Communication in the Internet
 Age
- Communication Competence
- Intellectual Property Where Science Meets Business

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