

# NICHD Fellows Orientation



*Eunice Kennedy Shriver* National Institute  
of Child Health and Human Development

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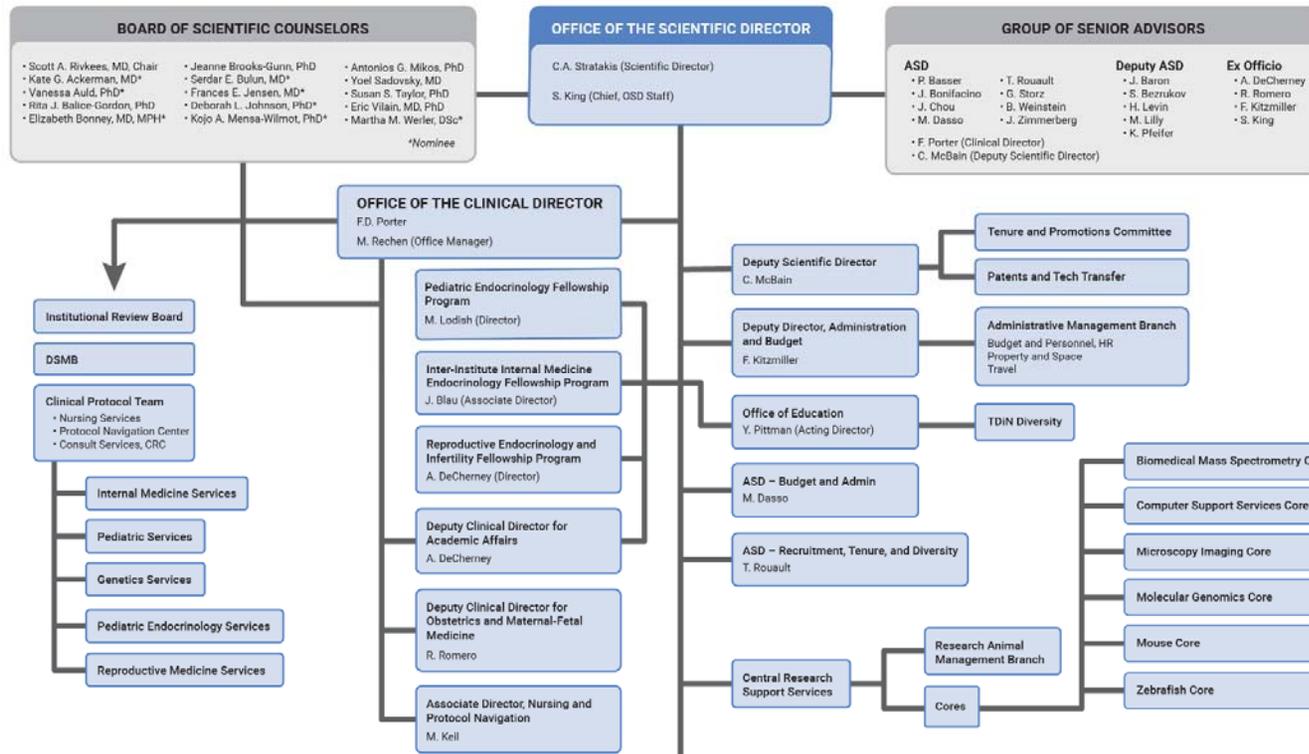
<http://fellows.nichd.nih.gov>



## Current Trainees at NIH Intramural Research Program: who do you expect to see here?

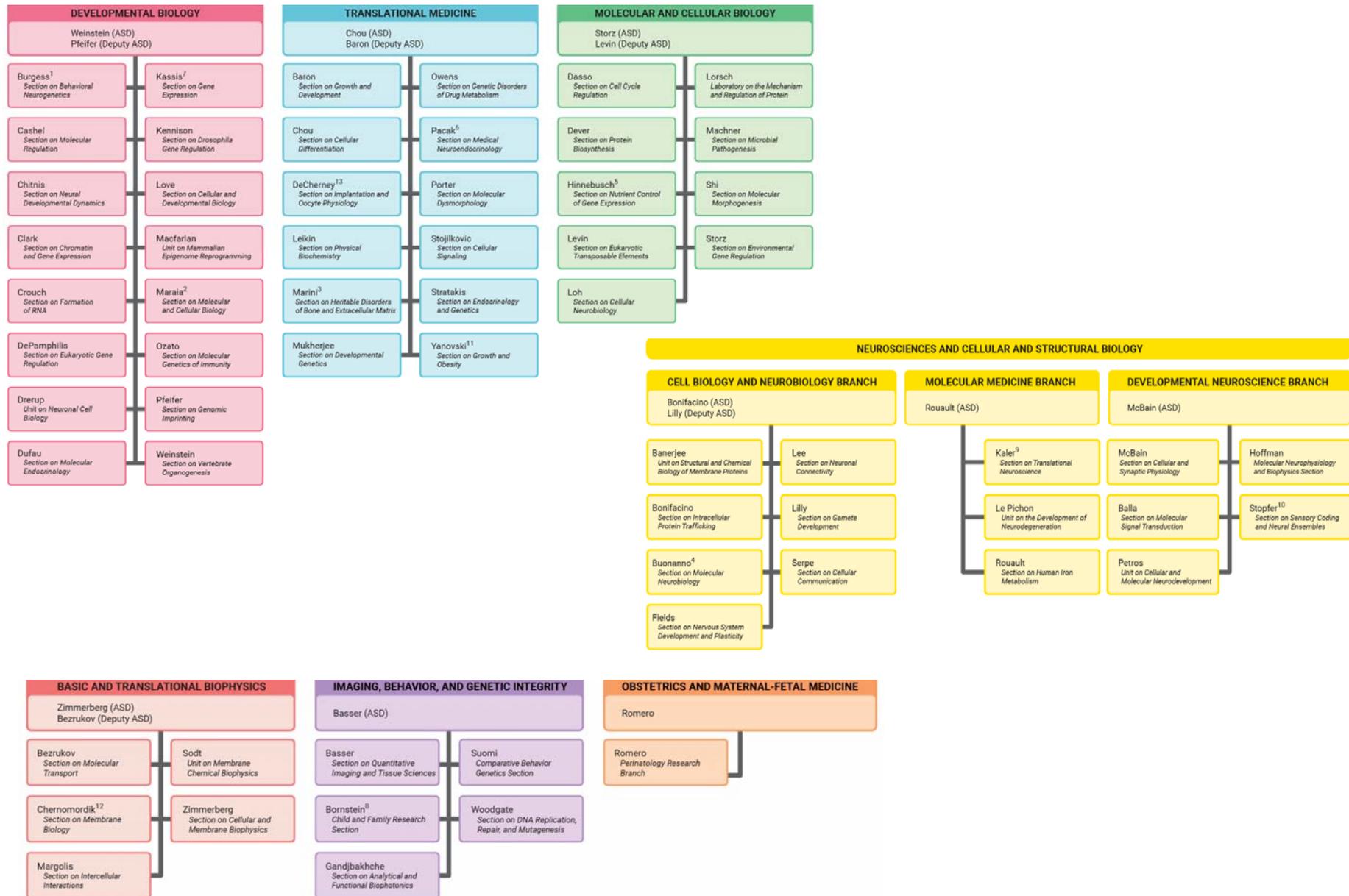
- High school and college students (summer interns)
- Recent college graduates (postbacs)
- Graduate students (predoc)
- Postdoctoral and clinical fellows (IRTA, Visiting Fellows, Research Fellows)

# NICHD-Division of Intramural Research (DIR)



Affinity Group	Head
Aquatic Models of Human Development	1. Harold Burgess
Basic Mechanisms of Genome Regulation	2. Richard Maraja
Bone and Matrix Biology in Development and Disease	3. Joan Marini
Cell and Structural Biology	4. Andres Buonanno
Cell Regulation and Development	5. Alan Hinnebusch
Developmental Endocrine Oncology and Genetics	6. Karel Pacak
Genetics and Epigenetics of Development	7. Judy Kassiss
Maternal-Fetal Medicine, Imaging, and Behavioral Development	8. Marc Bornstein
Metal Biology and Molecular Medicine	9. Stephen Kaler
Neurosciences	10. Mark Stopfer
Pediatric Endocrinology, Metabolism, and Genetics	11. Jack Yanovski
Physical Biology and Medicine	12. Leonid Chernomordik
Reproductive Endocrinology and Gynecology	13. Alan DeCherney

# Scientific Groups of the DIR



# NICHD Core Facilities: Resources to DIR!

<https://annualreport.nichd.nih.gov>

## **Mass Spectrometry:**

- High-end mass-spectrometric services to scientists
- Proteomics
- Biomarker discovery
- Protein characterization
- Detection of post-translational modifications

## **Zebrafish Core:**

- Consultation
- Access to equipment and reagents
- Service in the area of zebrafish genetics

## **Molecular Genomics Laboratory:**

- Deep sequencing
- Project data analysis

## **Microscopy and Imaging:**

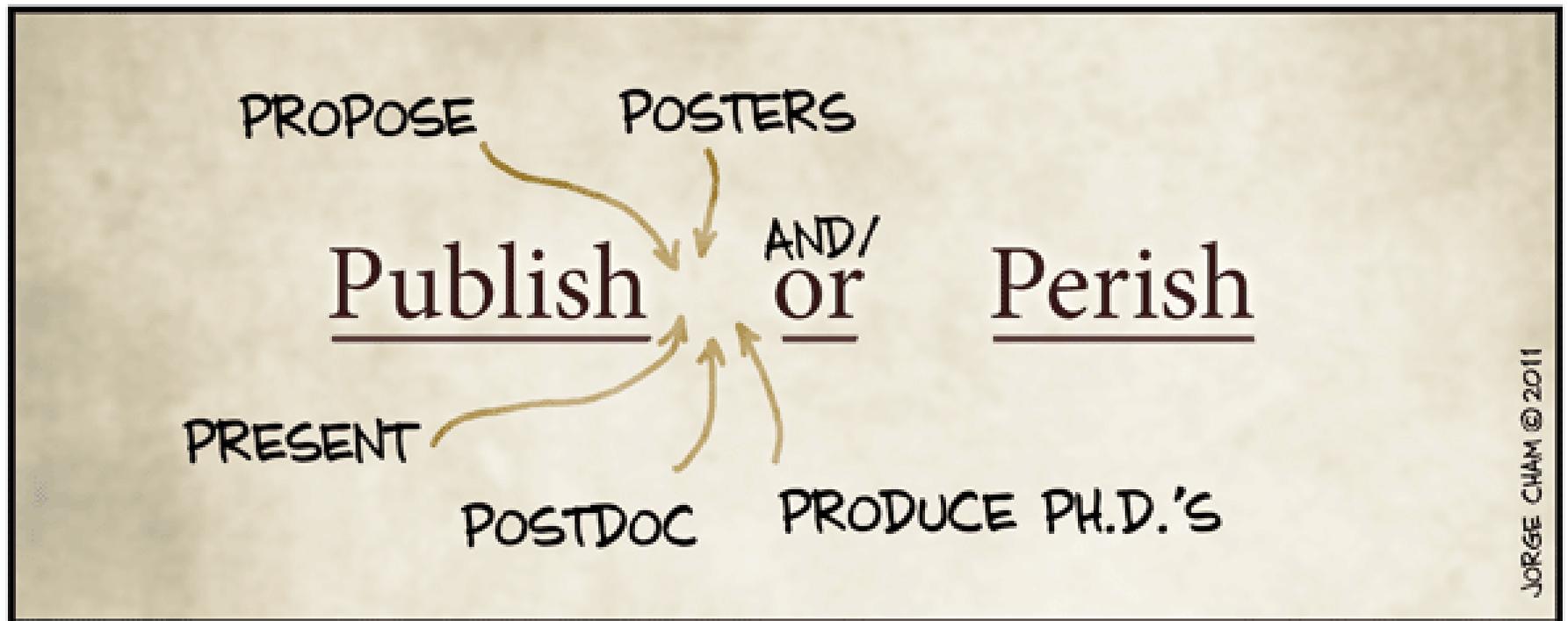
- Light microscopy
- Electron microscopy services
- Microscopy Class, annually

## **Computer Support Services:**

- Clinical informatics
- Bioinformatics
- Biovisualization
- Web services
- Core IT support

<https://science.nichd.nih.gov/confluence/display/bioviz/Welcome>

# PhD Comics



JORGE CHAM © 2011

[WWW.PHDCOMICS.COM](http://WWW.PHDCOMICS.COM)

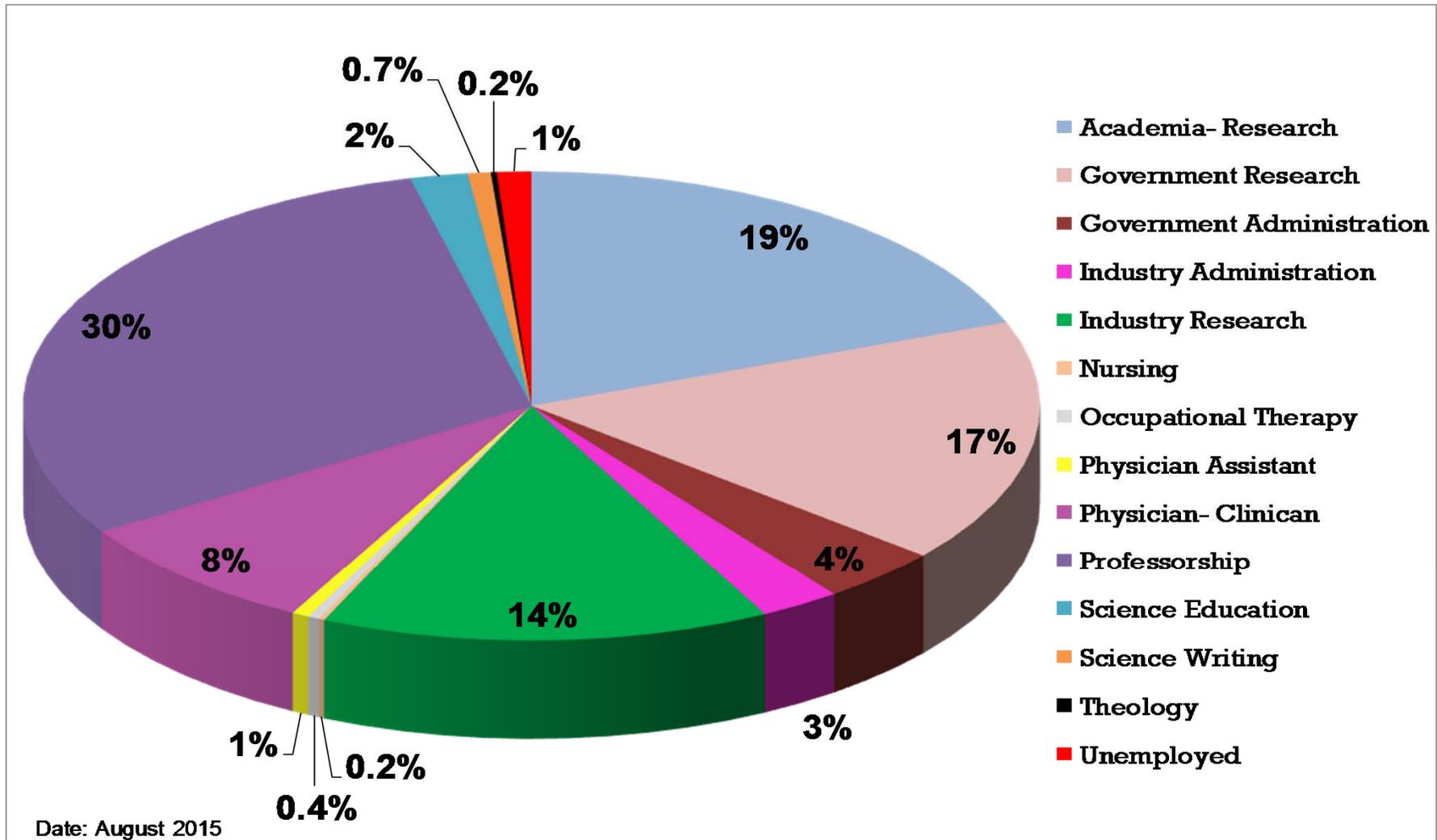
# Success in Science:

## Your training commitments

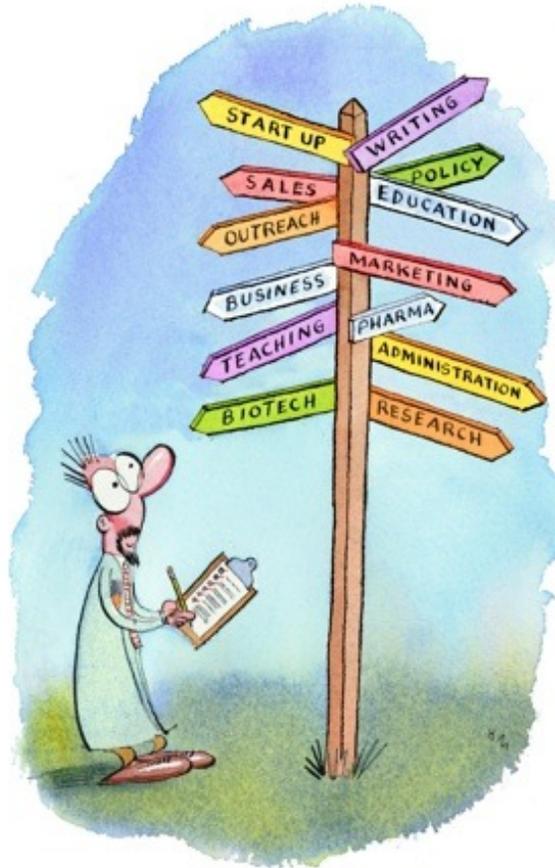
- Science, Publications
- Oral Communication
- Written Communication
- Teaching and Mentoring
- Leadership
- Career Exploration
- Grantmanship
- Job Searching
- Team Science
- Transferable Skills

**Think about the ENTIRE PACKAGE and try to find the holes in your CV/resume to make yourself more competitive in the job market.**

# Career Paths of NICHD Trainees (547, 2000-2015)

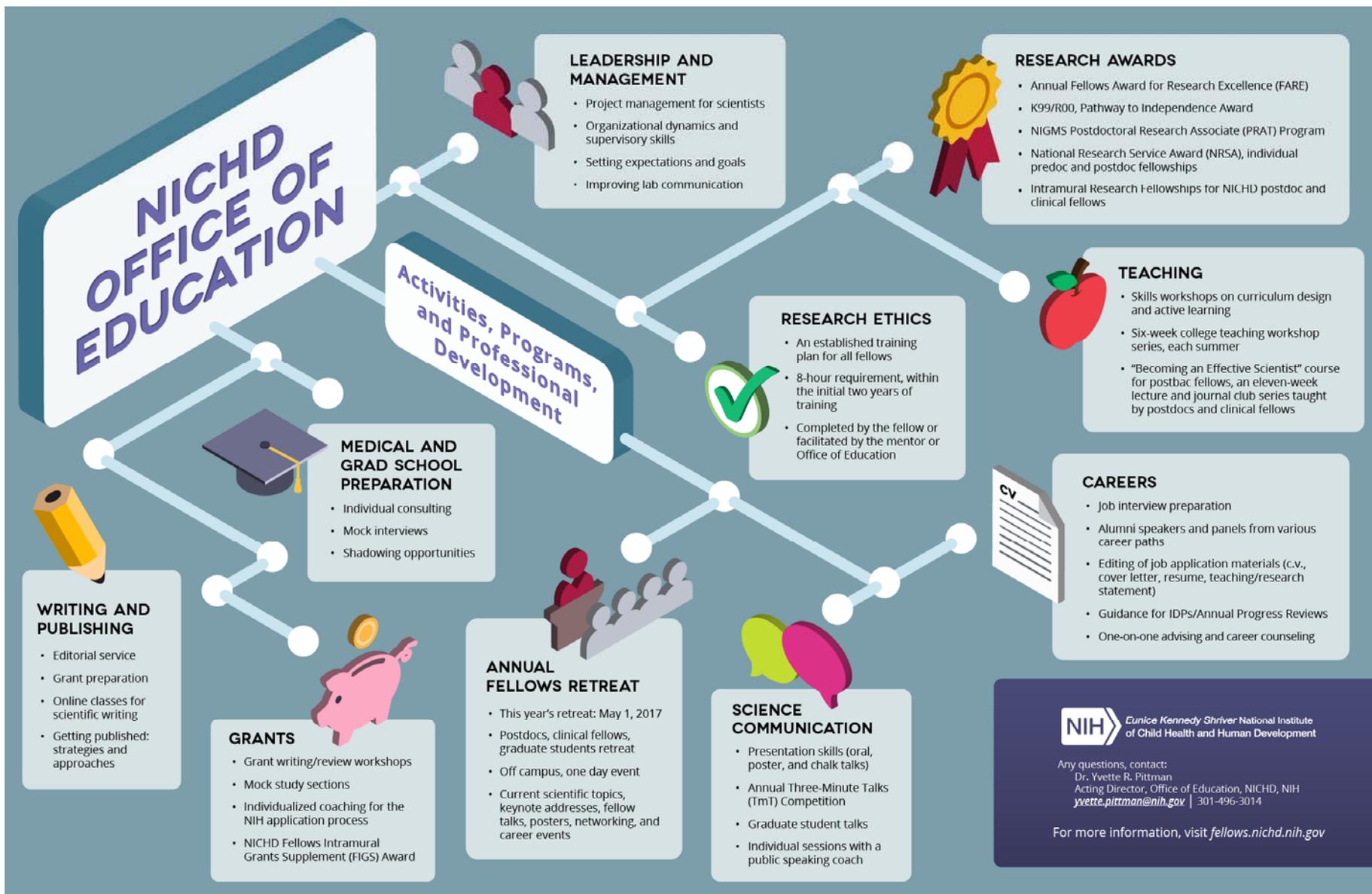


# Career Planning Tool



<http://myidp.sciencecareers.org/>

# NICHD-DIR Office of Education



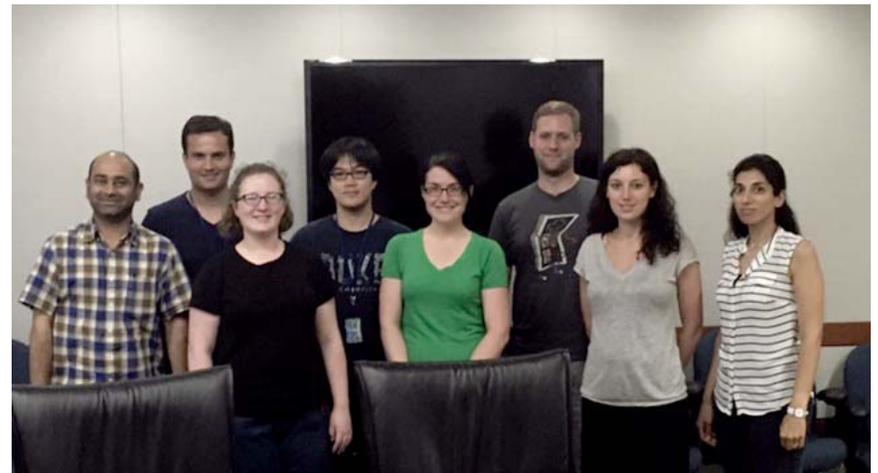
# NICHD Fellows Advisory Committee

## *Some potential topics for our committee are how to:*

- Increase the participation for training activities
- Expose fellows to various careers in science
- Identify teaching opportunities, and internal and external research funding mechanisms
- Establish a structure for sharing scientific and career resources within the institute

## *Some of their accomplishments:*

- Exit survey (online)
- New Research Fellowship (IRF) for postdocs and clinical fellows
- Grant Opportunities for NICHD Fellows/Eligibility Vetting Project



The Fellows Advisory Committee  
re-launched in 2016.

**Please consider joining us!**

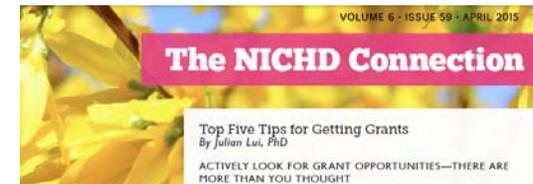
# NICHD-DIR Fellows Newsletter

## Our way to reach out to you

**NICHD CONNECTION**, a monthly newsletter on mentoring, careers, and training programs for young scientists in DIR since 2010

<https://science.nichd.nih.gov/confluence/display/newsletter/Home>

- Managed by the Office of Education
- Writing opportunities
- Some of our popular **COLUMNS**:
  - Hot off the Press
  - Life Outside Lab
  - The Arts
  - Former Fellow Follow-Up
  - Professional Development Event Recaps: <https://science.nichd.nih.gov/confluence/display/newsletter/Feature:+Event+Recaps>



(continued on page 2)

# Online Annual Progress Report System for Postdocs and Clinical Fellows

- Report your progress and set goals for the coming year
- A career planning tool: think about your next career move, from a holistic view, and learn what your career interests are
- Plan your future, using myIDP to create an Individualized Development Plan

## Fellows Annual Progress Report

[PRINT VIEW](#)

Report Sections	Status	Action
Personal Information	Completed	Edit
<b>PAST YEAR</b> Research and Career Development Activities	Completed	Edit
<b>COMING YEAR</b> Research and Career Development Activities	Completed	Edit
Career Goals	Completed	Edit
Mentor's Comments/Feedback	Not Started	View

- I understand that my submission represents an electronic signature, and acknowledges that all of the information on this report is accurate.
- I have met with my mentor to discuss my career development, performance and progress for the past year, and their expectations for the coming year.

Submit for Review

You can review and edit your information prior to submission by clicking "Print View"

<https://dir.nichd.nih.gov/dirweb/login.html>

# Grant Opportunities for Intramural Fellows

- NICHD Fellows Intramural Grants Supplement (FIGS):
- NICHD Intramural Research Fellowships (IRF):
- PRAT (NIGMS)
- F32 (NIH Postdoc Fellowship)
- K99/R00-NIH Pathway to Independence Award (NIH)
- Intramural AIDS (OITE)
- FARE (Fellows Award for Research Excellence) (FelCom)
- Additional Funding Opportunities

<http://fellows.nichd.nih.gov>

# NICHD Resume Hour with Dr. Yvette Pittman (Office of Education)

- Every Wednesday (1-2 pm) or can schedule an individual session for another day and time
- Sharing tips on putting together an excellent resume or CV for the competitive job market, cover letter review as well
  - Learn about keywords and tailoring for specific jobs
  - Can bring job ads with you
  - Examine various samples and review formatting
  - Establish what to include—and not to include
  - Identify target audience

<http://fellows.nichd.nih.gov>

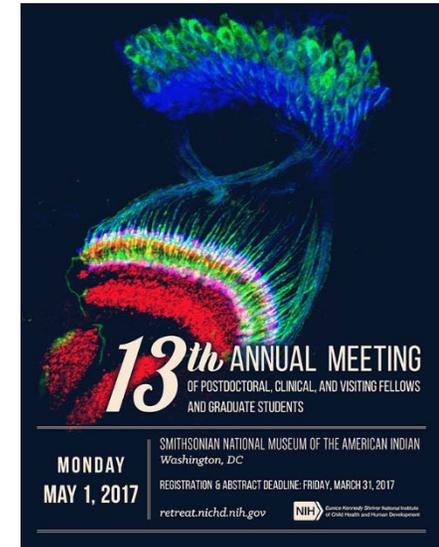
# Opportunities to Present Locally

## NICHD ANNUAL Fellows Retreat:

<http://retreat.nichd.nih.gov>

May 1, 2017

Featuring Keynote Addresses by Drs. Peter Agre (Nobel Laureate) and Adam Ruben  
Image Competition, Poster Sessions, Fellows Talks, TmT Presentations, Career  
Roundtables Session with NICHD alumni



## NIH Scientific Interest Groups:

<http://www.nih.gov/sigs/sigs.html>

# Writing and Editing Services

- NIH Library Writing Center

- FREE personal editing assistance
- Answer grammar and punctuation questions
- Review manuscripts, abstracts, articles, posters, and resumes
- Organize and format citations
- Check for plagiarism

<http://nihlibrary.campusguides.com/WritingCenter>

- Fellows Editorial Board

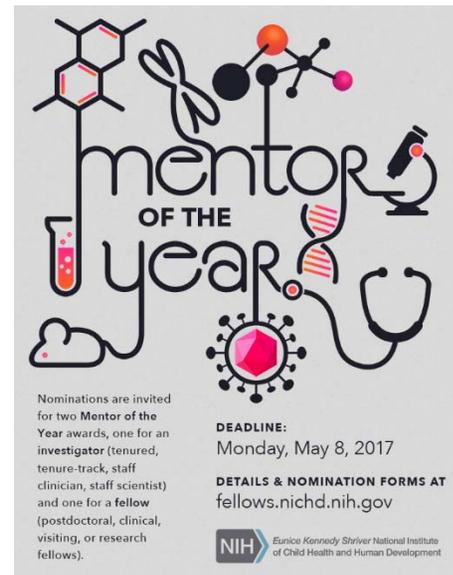
- FREE, confidential scientific document-editing service
- All-volunteer editorial board of fellows and other professionals
  - Gain editorial training and experience!

<https://ccr.cancer.gov/training/trainee-resources/editorial-board>

# MENTORING:

## Being Mentored and Mentoring Others

- Mentor of the Year Awards
  - Nominations accepted annually from February to May
- Mentoring Postbac Trainees
  - Discuss with your mentor
  - Opportunity to train a postbac for up to two years
  - Postbac Poster Day (May)
- Mentoring Summer Trainees
  - Apply to mentor a summer intern (December)
  - Attend training sessions (May-June)
  - Summer Poster Day (August)



The poster features the text "mentor OF THE year" in a stylized font. The word "mentor" is in a large, lowercase, sans-serif font. "OF THE" is in a smaller, uppercase, sans-serif font. "year" is in a large, lowercase, sans-serif font. The text is surrounded by various scientific and medical icons: a chemical structure, a DNA double helix, a microscope, a stethoscope, a virus, a test tube, and a cell. Below the text, there is a small text block and a logo for the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD).

Nominations are invited for two **Mentor of the Year** awards, one for an **investigator** (tenured, tenure-track, staff clinician, staff scientist) and one for a **fellow** (postdoctoral, clinical, visiting, or research fellows).

**DEADLINE:**  
Monday, May 8, 2017

**DETAILS & NOMINATION FORMS AT**  
[fellows.nichd.nih.gov](http://fellows.nichd.nih.gov)

**NIH** Eunice Kennedy Shriver National Institute of Child Health and Human Development

# FAES Graduate School: Potential Courses for you or Teaching Opportunities!

- Why would you do this?
  - For your training grants
  - Enhance scientific knowledge and career development
    - Engineering with CRISPR, TALENs, and ZFNs
    - Bioinformatic Analysis of Next Generation Sequencing Data
    - Flow Cytometry: Principles and Methods
    - Project Management Training for Scientists
  - Teaching opportunities
    - Biology 101 - Introductory Biology
    - Chemistry 101/102 - General Chemistry I&II
    - Pharmacology 400 - Pharmacology
    - Create a course!
- Biochemistry and Chemistry
- Bioinformatics and Data Science
- Advanced Studies in Bioinformatics and Data Science
- Biology and Genetics
- Epidemiology, Statistics, and Mathematics
- Immunology and Microbiology
- Languages and General Studies
- Medicine and Physiology
- Pharmacology and Toxicology
- Public Health
- Advanced Studies in Public Health
- Technology Transfer, Business, and Industry
- Advanced Studies in Technology Transfer

<http://faes.org/grad>



# Fellows Committee (FelCom)

<https://www.training.nih.gov/felcom>

- A way to get involved
  - Monthly meeting: First Thursday of the month, 4PM, at Building 1 Wilson Hall
- NICHD representatives every year (basic research and clinical)
- Subcommittees available
  - Visiting Fellows committee
- Social Events
- Career development panels held throughout the year
  - Directing the Future of Science at Governmental and Non-Governmental Organizations
  - Keeping a Bench Job
  - Careers in Big Data / Data Science
- Subscribe to their listservs



# OITE

- Their mission is to enhance the training experience of students and fellows on all of the NIH campuses, and to develop scientific and professional skills that will enable them to become leaders in the biomedical research community.

<https://www.training.nih.gov/services>

<https://www.training.nih.gov/events/upcoming>

## **LISTSERVS FOR CURRENT TRAINEES:**

<https://www.training.nih.gov/listservs>



# If Problems Arise...

- Primary Mentor
- Trusted Friend
- Office of Education, NICHD or OITE
- Ombudsman Office: <https://ombudsman.nih.gov>
- Employee Assistance Program (EAP):  
<https://www.ors.od.nih.gov/sr/dohs/HealthAndWellness/EAP/Pages/index.aspx>