



F32  
**BOOT CAMP**

**From start to submission** (grants due December 8, 2019)

**Sponsor's Section**



## Sponsor's Section

- **Attached to the Fellowship Supplement Form**
- **Section includes:**
  - **Sponsor and Co-sponsor's statements**
  - **Letters of support from Collaborators, contributors and consultants**
- **Who writes this?**
  - **Depends on your sponsor**
  - **You might write a 'draft'**
  - **If your sponsor writes, they need your training plan**
  - **If your sponsor writes this section, you as the PI, are responsible for it's content**

## F.430 - PHS Fellowship Supplemental Form

The PHS Fellowship Supplemental Form is used only for fellowship applications.

This form includes fields to upload several attachments including the Specific Aims, Research Strategy, and Applicant Background and Goals.

The attachments in this form, together with the rest of your application, should include sufficient information needed for evaluation of the project and fellow, independent of any other documents (e.g., previous application). Be specific and informative, and avoid redundancies.



 [View larger image](#)

### Quick Links

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# F32 BOOT CAMP

## Sponsor's Section

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### Who should use the PHS Fellowship Supplemental Form:

Use the PHS Fellowship Supplemental Form only if you are submitting a fellowship application.

Fellowship applicants and sponsors are strongly encouraged to speak with a PHS Program Official for Institute- or Center (IC)-specific guidance before preparing this application. Refer to the Table of IC-specific Information, Requirements, and Staff Contacts in your FOA. In addition, a list of contacts specifically for extramural training at the NIH ICs can be found at NIH [Training Advisory Committee Roster](#). For AHRQ, see [Research Training Staff Contacts](#). You are encouraged to check these websites for the most current contact information.

It is important that the attachments in this form be developed in collaboration with your sponsor, but they should be written by you, the fellowship applicant.

Read all the instructions in the FOA before completing this section to ensure that your application meets all IC-specific criteria.



## Sponsor's Section

- 6 pages
- Complete these items as comprehensively as possible so that a meaningful evaluation of the training environment can be made by the reviewers.
- Create a heading at the top of the first page titled "Sponsor and Co-Sponsor Statements."



## Sponsor's Section

- Organize each statement in the specified order and use the instructions below, unless otherwise specified in the FOA. Start each section with the appropriate section heading
  - Research Support Available;
  - Sponsor's/Co-Sponsor's Previous Fellows/Trainees;
  - Training Plan, Environment, Research Facilities;
  - Number of Fellows/Trainees to be Supervised During the Fellowship;
  - Applicant's Qualifications and Potential for a Research Career.
- Each sponsor and co-sponsor statement must address all of the following sections (A-E) (in a total of 6 pages, not 6 pages for each sponsor/co-sponsor)



## Sponsor's Section

Complete these items as comprehensively as possible so that a meaningful evaluation of the training environment can be made by the reviewers.

- **Reviewer's want to have a 'picture' of where you are training**
  - **Are there sufficient funds?**
  - **Is your sponsor committed to your training?**
    - **Do they know you and your goals?**
    - **Did they take the time to write a comprehensive/cohesive training plan?**
  - **Does your sponsor have mentoring experience? Are they a good mentor?**
  - **Does your sponsor have time to mentor you?**
  - **Are there adequate resources (space, equipment, animals, collaborators, etc) available?**



## Sponsor's Section

### ● Research Support Available

- In a table, list all current and pending research and research training support specifically available to the applicant for this particular training experience.

Include:

- funding source
  - complete identifying number
  - title of the research or training program
  - name of the PD/PI
  - start and end dates
  - the amount of the award.
- If the sponsor's research support will end prior to the end of the proposed training period, the sponsor should describe a contingency plan for how the fellow's research will be supported.



## A. Research Support Available

5R01 ES 011195-08 NIH/NIEHS	PI: Dean Jones <b><i>Nuclear and Cytoplasmic Redox in Oxidative Stress</i></b>	09/01/01 - 03/31/12 Direct cost: \$220,500
5R01 ES 009047-11 NIH/NIEHS	PI: Dean Jones <b><i>Mitochondria in Chemical-induced Apoptosis</i></b>	02/20/98 - 11/30/13 Direct cost: \$210,375
1R01 HL 096924-01 NIH/NHLBI	PI: Brown/Jones <b><i>Polarity of Redox Control and risk of Injury in Alveolar Epithelium</i></b>	07/01/09 - 06/30/11 Direct cost: \$256,145
5T32 ES 012870-05 NIH/NIEHS	PI: Gary Miller <b><i>Graduate and Postgraduate Training in Toxicology</i></b>	07/01/04 - 6/30/14 Direct cost: \$233,257
5P01 ES 016731-02 NIH/NIEHS	PI: Gary Miller <b><i>Emory Parkinson's Disease Collaborative Environmental Research Center</i></b>	09/01/08 - 08/31/13 Direct cost: \$889,778
5P50 AA 013757-07 NIH/NIAAA	PI: Guidot <b><i>Emory Alcohol and Lung Biology Center</i></b>	01/01/09 - 05/31/14 Direct cost: \$218,274

More funding is better

Include non-federal (can include start up and other internal funding)

Include pending

Include contingency plan if funding is ending

Provide for all co-sponsors





## Sponsor's Section

### ● Previous Fellows/Trainees

- State the total number of predoctoral and postdoctoral individuals previously sponsored.
- Select up to five that are representative, and for those five, provide:
  - information on their time spent in the lab
  - their present employing organizations
  - their present position titles or occupations

## **B. Sponsor's Previous Fellows/Trainees**

For the past 31 years, my laboratory has served as a training environment for Ph.D. students and postdoctoral fellows in the areas of biochemistry and toxicology. Collectively, these students and fellows have been excellent and moved on to very productive postdoctoral positions as well as careers in academia and industry. I devote a significant portion of my time to interact with the students and fellows as they perform experiments, compose grant applications and write manuscripts. There is no doubt that these graduate students and postdoctoral fellows have been an asset to my research career. To date, I have supervised 20 Ph.D. students and 17 postdoctoral fellows, most of who have been supported by training grants or individual National Research Service Awards. Listed below are 5 recent fellows that have been sponsored by my laboratory.

### Trainee

### Current Position

Jason Hansen, Ph.D. (2003-2005)

Asst. Professor – Emory University

Young-Mi Go, Ph.D. (2001-2006)

Asst. Professor – Emory University

Jeffrey Armstrong, Ph.D. (2001-2002)

Asst. Professor – Univ. of Singapore

Walter Watson, Ph.D. (1999-2003)

Asst. Professor – Johns Hopkins Univ.

Shunai Jiang, MD, Ph.D. (1998-2003)

Ophthalmologist – Tucker, GA



## Sponsor's Section

### ● Training Plan, Environment, Research Facilities

- The applicant's Research Training Plan should be individualized for the applicant, keeping in mind the candidate's strengths and any gaps in needed skills.
- The Research Training Plan should be designed to enhance both research and clinical training (if applicable).
- The Research Training Plan should facilitate the applicant's transition to the next stage of his/her career. Sponsors and co-sponsors should discuss this aspect of the applicant's training as well.



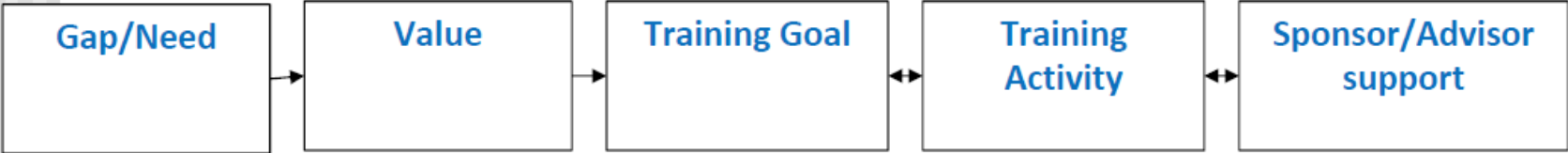
## Sponsor's Section

### ● Training Plan, Environment, Research Facilities

- Describe the Research Training Plan that you have developed specifically for the fellowship applicant. Be sure to include the following points:
  - Include items such as classes, seminars, opportunities for interaction with other groups and scientists, and any professional skills development opportunities.
  - Describe the research environment and available research facilities and equipment.
  - Indicate the relationship of the proposed research training to the applicant's career goals.
  - Describe the skills and techniques that the applicant will learn. Relate these to the applicant's career goals.



# F32- Outlining the training plan



Technique	New way of addressing question	Learn technique	Hands on Workshop Webinar	Provide expertise Send to workshop
Analysis	Deeper understanding	Learn analysis	Meet with Head of stats core	Monthly meeting
Critical Thinking				
Collaboration				
First Author				
Health relevance				

### C. Training Plan, Environment, Research Facilities

James has a passion for understanding oxidative mechanisms of toxicity and was attracted to my research group because of my expertise in oxidative stress, redox biology and relevant environmental health research. I feel that the study of oxidative mechanisms of toxicity is an outstanding focus for his career development and that we have an excellent environment to foster this development. In particular, I have ongoing research on oxidative stress and aging in transgenic mouse models in which we have over-expressed the mitochondrial antioxidant protein, thioredoxin-2, and also expressed an NLS-fusion of thioredoxin-1 which is targeted to nuclei. This research includes use of a range of standardized oxidative stress markers and also global metabolic profiling using LC-FTMS methods which we have developed in conjunction with the Emory-Georgia Tech Predictive Health Initiative. Furthermore, we have appropriate immunoassay capabilities (ELISA and multiplexed microbead assays), as well as quantitative proteomic techniques, gene expression array and

- Must be personalized
- Should cover all of your planned activities but framed from how the sponsor will facilitate/participate
- Should highlight your potential to be an independent researcher

All students and fellows are encouraged to participate in local and national scientific meetings. I support students and fellows for one national meeting per year so that those who obtain their own funding often can attend two national meetings per year. James will need to make the decisions concerning which societies will be most appropriate for him; he is currently a member of the Society of Toxicology and the Society for Free Radical Biology and Medicine. I will encourage him to attend both a technology oriented meeting, such as the American Society for Mass Spectrometry, and a biomedical research oriented meeting, such as the Society of Toxicology. Because of our proximity to the Centers for Disease Control and Prevention and the concentration of research universities in the greater Atlanta area, we have a number of regional meetings in mass spectrometry, predictive health, preventative medicine, environmental health, and toxicology, which are also



I emphasize to students and postdoctoral fellows that a career in academic research includes scholarship, teaching and service. While most of the focus is on scholarly research, I also encourage activities designed to develop academic leaders. James already has been named the postdoctoral representative to the Southeastern regional chapter of the Society of Toxicology. Additionally, I expect that I will be able to arrange for James to present appropriate lectures and lead group discussions as part of our ongoing educational programs. For instance, he would be able to present a limited number of lectures related to oxidative stress and toxicology in our graduate programs in our Environmental Health and Molecular Toxicology and also in our Nutritional Health Sciences PhD program. Similarly, Emory faculty and students participate in a number of community outreach programs, which include short courses on environment, exercise, nutrition and healthy aging. Such activities usually require little time but are rewarding both for the community and for the student/fellow.

- Make sure it's not all about methods
- Remember the goal...



● **Number of Fellows/Trainees to be Supervised During the Fellowship**

- Indicate how many pre- and/or post- doctoral fellows/trainees the Sponsor/Co-sponsor is expected to supervise during the award period.
- Co-sponsor statements must also include this information.

**D. Number of Fellows/Trainees to be Supervised During Fellowship**

Currently, I am mentoring three fellows, Dr. Roede included, and one graduate student. During this fellowship period, in addition to Dr. Roede, I will be supervising two fellows and one to two graduate students.

- If there are a lot of fellows/trainees to be supervised (big lab)
  - Make sure that the training plan acknowledges this and describe the lab structure that will support (junior faculty, etc)
- If there are very few (new lab)
  - Make sure the training plan describes how your lab is part of a larger group



## Sponsor's Section

### ● Applicant's Qualifications and Potential for a Research Career

- Describe how the fellowship applicant is suited for this research training opportunity based on his/her academic record and research experience level.
- Include information about how the Research Training Plan, and your own expertise as the sponsor or co-sponsor, will assist in producing an independent researcher.
- Additional requirements if proposal involves clinical trial research (see SF424)



## Sponsor's Section

### ● Applicant's Qualifications and Potential for a Research Career

#### E. Applicant's Qualifications and Potential for a Research Career

I have served as the mentor to 20 graduate students and 17 postdoctoral fellows in my 30+ years in academic research. Based on that experience, it is my opinion that James is an outstanding candidate for this award. James is intellectually gifted, a creative experimentalist, an effective communicator, personable and highly motivated. As an undergraduate, James chose a challenging major (physiology) and graduated with honors from Michigan State University. He chose a career in research immediately after completing his undergraduate education. While working for a contract research organization, James demonstrated how dynamic he is by mastering multiple dosing and blood collection techniques in multiple species and ascending to a leadership position. It was here that he was inspired to study mechanisms of toxicity. While a productive graduate student, James discovered a research area (oxidative mechanisms of toxicity) where he could have a significant impact and, for his postdoctoral fellowship, sought out a research environment where he could acquire the skills to realize success in that area. In my decades in research and education, I have seen few with comparable qualifications, foresight and potential for a research career.

- How you compare to previous trainees
- Mention your publications, academics, awards
- Describe you as Innovative/pro-active/motivated
- Background and training potential
- Ability to be independent in academic medical center
  - Collaborates, participates, teaches, mentors, serves, initiates



## Sponsor's Section

- All must fit into 6 pages
- You may write a 'draft' or your sponsor/co-sponsor may write it all
- **You**, as the PI, are responsible for making sure it's correct
- In order to be correct, it needs to match your training plan, and your goals
- Must be very personalized