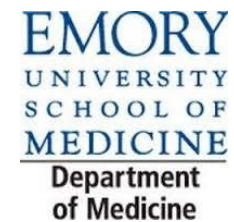


Checklist for Grant Application Success

December 11, 2017



Survey Drawing



Announcements:

Internal CDA Opportunities

- **BIRCWH – Building Interdisciplinary Research Careers in Women’s Health**
 - 75% protected research effort (verified through chair nomination letter)
 - Strong interest in pursuing an academic research career in women’s health and/or sex/gender life science
 - Application deadline: March 1, 2018

- **Georgia CTSA KL2 Program**
 - 75% protected research effort (verified through chair nomination letter)
 - Research proposal must have a “human component,” i.e. interaction with human subjects or specimens obtained from identifiable humans.
 - Application deadline: March 1, 2018

- **Atlanta Pediatric Scholars K12 Program**
 - 75% protected research effort (verified through chair nomination letter)
 - Eligible candidates must be pediatricians (MD or DO) conducting basic science and/or lab-based translational research.
 - Application deadline: Dec 15, 2017

Today's presenters:

Stacy Heilman, PhD

Assistant Professor

Director of Pediatric Research Operations & Grants Advocate

Emory University Dept of Pediatrics & Children's Healthcare of Atlanta

Kimberly Maune

Assistant Dean for Research Administration

Senior Director, Research Administration Services

Emory University

Rollins School of Public Health & School of Nursing

Outline for Today's Discussion



Laying the groundwork

- Networking/collaborating/mentors
- Acquiring seed funding
- Publishing

Finding the right mechanism

- NIH K lists, NIH Reporter
- Funding databases
- E-mail listserv's
- Contacting the PO

Finding the right resources

- Cores
- Mentors & Collaborators – filling in the gaps

Project plan

- Understanding the application requirements
- Timeline
- Grants administration

Laying the Groundwork



Laying the groundwork

- ✓ Networking/collaborating/finding mentors
- ✓ Acquiring seed funding
- ✓ Publishing

Networking/Collaborating/Finding Mentors



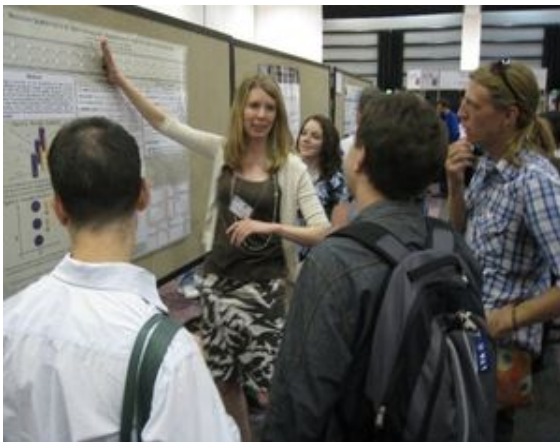
Attend Scientific Seminars

- ✓ Ask the host before the visit to meet with or have lunch with the speaker
- ✓ Ask questions at the talk
- ✓ Introduce yourself to the speaker after the talk



Attend Scientific Meetings

- ✓ Do your homework on who will be there and find people with complementary expertise
- ✓ Prepare your elevator speech to sell yourself
- ✓ Follow up with new acquaintances after the meeting –
Make effective use of Linked in



Find a Mentor

- ✓ Pubmed searches
- ✓ Use NIH RePORT to find funded experts
<http://projectreporter.nih.gov/reporter.cfm>
- ✓ Network – ask colleagues for recommendations
- ✓ Request informational interviews
- ✓ Attend January K-Club on effective and functional mentor teams



Seed Funding Opportunities

- ✓ Typically \$20-\$50K towards collecting preliminary data
- ✓ Some opportunities listed at these links:
 - <http://www.pedsresearch.org/research/resources/funding/pilot-grant-programs>
 - [http://www.medicine.emory.edu/research/internal-research-resources/funding-opportunities/index.html#Funding Opportunities](http://www.medicine.emory.edu/research/internal-research-resources/funding-opportunities/index.html#Funding%20Opportunities)
 - <http://www.osp.emory.edu/funding/Internal.html>
- ✓ Request to be added to relevant listserv's to learn about targeted announcements



One Emory Based Example

University Research Committee

<http://www.urc.emory.edu/>

- ✓ Must have a full time Emory faculty appointment
- ✓ Proposals are considered that explore all aspects of Health/Biological Sciences
- ✓ \$30K (\$40K for interdisciplinary proposals)
- ✓ Next deadline is Jan 8, 2018

Publishing in Peer Reviewed Journals

- ✓ **PRODUCTIVITY:** Shows you are a good investment – *the best predictor of future performance is past performance*
- ✓ **TRACK RECORD:** Highlights track record with mentor and collaborators
- ✓ **REFERENCE YOUR OWN WORK:** Offers an avenue to write a succinct Research Strategy by simply referencing detailed methodologies and conclusions of your prior work
- ✓ **BEEF UP YOUR BIOSKETCH:** Provides material for an expanded contribution to science section and the ability to cite your own published data

Journal of Comparative Psychology
2024, Vol. 128, No. 1, 202–207

© 2024 American Psychological Association
0022-0061/24/\$12.00 DOI: 10.1037/com0000171

Dogs (*Canis familiaris*) Account for Body Orientation but Not Visual Barriers When Responding to Pointing Gestures

Evyn L. MacLean, Christopher Kroposy, and Brian Hare
Duke University

In a series of four experiments we investigated whether dogs use information about a human's visual perspective when responding to pointing gestures. While there is evidence that dogs may know what humans can and cannot see, and that they flexibly use human communicative gestures, it is unknown if they can integrate these two skills. In Experiment 1 we first determined that dogs were capable of using basic information about a human's body orientation (indicator of her visual perspective) as a point following context. Subjects were familiarized with experimenters who either faced the dog and accurately indicated the location of hidden food, or faced away from the dog and (falsely) indicated the unhidden container. In test trials these cues were pitted against one another and dogs tended to follow the gesture from the individual who faced them while pointing. In Experiments 2–4 the experimenters pointed unobscured toward two possible locations where food could be hidden. On test trials a visual barrier occluded the pointer's view of one container, while dogs could always see both containers. We predicted that if dogs could take the pointer's visual perspective they should search in the only container visible to the pointer. This hypothesis was supported only in Experiment 2. We conclude that while dogs are skilled both at following human gestures, and exploiting information about others' visual perspectives, they may not integrate these skills in the manner characteristic of human children.

Keywords: dog, cognition, pointing, perspective taking, theory of mind

Publishing – *a note about authorship position*

Authorship position:

First author = you wrote the publication and/or were the lead conductor of the research
(counts towards tenure and promotion)

Middle author/ITM (in the middle) = you were part of a research team

Last author = you are the senior author/mentor and drove the research
(counts towards tenure and promotion)

Finding the Right Mechanism



Finding the right mechanism

- NIH K lists, NIH Reporter
- Funding databases
- E-mail listserv's
- Contacting the PO

Career Dev Award Selection Tool

- ✓ Information about NIH Career Development Awards including institute/center specific information including success rates

<https://researchtraining.nih.gov/programs/career-development>

Career Award Wizard Tool



Navigation: About DBRW | Career Path | Programs | Institute

Sub-navigation: Training | Fellowships | Career Development | Other

Research Career Development Awards

RTCD Home > Programs

To provide institutional research training opportunities (including international) to trainees at the undergraduate, graduate, and postdoctoral levels.

2. Select Career Level

1. Select Role

- Awardee
- Appointee

2. Select Career Level

- Select
- Undergraduate
- Graduate/Clinical Doctorate
- Postdoctorate/Residency
- Early Career
- Established Investigator
- Not Applicable

Buttons: APPLY FILTER, RESET FILTER

Allows you to identify an Individual NIH Career Award that might be right for you

Use NIH Reporter

- ✓ To analyze past funding success per mechanism per institute
- ✓ Assess what research has been funded via that same mechanism in the past

K Award Funding Rates - FY 2016

NIH Institutes / Centers	Activity Code	Number of Applications Reviewed	Number of Applications Awarded	Success Rate ³	Total Funding ⁴
NCI	K01	26	5	19.2%	\$780,612
NCI	K08	64	20	31.3%	\$3,392,677
NCI	K23	31	5	16.1%	\$825,671
NCI	K99	159	51	32.1%	\$6,549,907
NHLBI	K01	75	36	48.0%	\$5,325,803
NHLBI	K08	97	43	44.3%	\$7,043,454
NHLBI	K23	101	45	44.6%	\$8,086,510
NHLBI	K99	124	32	25.8%	\$4,066,065
NIDDK	K01	90	36	40.0%	\$4,851,470
NIDDK	K08	56	25	44.6%	\$3,779,854
NIDDK	K23	62	28	45.2%	\$4,964,021
NIDDK	K99	40	9	22.5%	\$815,335
NICHD	K01	15	6	40.0%	\$803,987
NICHD	K08	22	3	13.6%	\$389,578
NICHD	K23	76	15	19.7%	\$2,022,733
NICHD	K99	72	18	25.0%	\$2,140,274
NEI	K08	20	10	50.0%	\$1,989,455
NEI	K23	17	8	47.1%	\$1,717,613
NEI	K99	22	8	36.4%	\$825,134

NIH Reporter

PROJECT DETAILS

Project Number/
Application ID:
Format: 5R01CA012345-04/
8515397
Use '%' for wildcard in project number, e.g. %R21%
[Enter multiple project numbers/application IDs](#)

OR

1 R01 CA 811099 01 A1S1

Program Officer (PO): ,
(Last Name, First Name)
Use '%' for wildcard
[Enter several Program Officer \(PO\) names](#)

Project Start Date: >=
Format: mm/dd/yyyy

Project End Date: <=
Format: mm/dd/yyyy

Award Notice Date: >
Format: mm/dd/yyyy

Agency/Institute:
 Admin

NIH Spending Category:

Funding Mechanism:

Award Type:

Activity:

Study Section:

Standing CSR study sections only

FOA:
Format: RFA-IC-09-003
or PA-09-003
20 entry maximum; Use % for wildcard
[Funding Opportunities and Notices](#)

Finding Funding – Active Searching

On-Line Databases & Resources

- Foundation Directory Online & Grant Forward



Two Rich Database Resources at Emory

Online Databases

Funding opportunity databases contain thousands of research funding announcements offered by U.S. federal agencies and private foundations. They include in-depth and up-to-date indexing and abstracting of critical grant information, subject/key word specific searches, and customizable alerts services.

Available Funding Databases

GRANTFORWARD



FOUNDATION DIRECTORY ONLINE



Foundation Directory Online Professional

- ✓ Very rich searchable online database for private foundation funding

www.healthlibrary.emory.edu/

- Databases
 - Find Databases: Foundation Directory
- ✓ Excellent foundation information - can search grants as well as grant makers
 - ✓ Not exclusive to research funding, but excellent “text” word search capability and drill down/filter features



Grant Forward -

<https://www.grantforward.com/index>

- ✓ Contains thousands of active federal and private funding opportunities in the sciences, social sciences, arts, and humanities
- ✓ Very powerful drill down feature for effective searching
- ✓ The Database is updated daily
- ✓ For full power, need to connect to through Emory OSP website:
<http://www.osp.emory.edu/funding/External.html>



Grant Forward – search “autism”

Search
Profile
Support
GrantForward How-to ^{new!}

Search Home
Saved Searches
Recommendations
Favorites
Shared^{new!}
Sponsors^{new!}

Keywords

1

[Advanced Search +](#) [Reset all conditions](#)

Found 50 results in 0.45 seconds

Has keywords: autism x
With current status: Open, Continuous x

Sort by Relevance ▾

Export
Save search / Alert

« Previous
Next »

Sponsors

List

Categories

List

Deadline

Anytime

to

Anytime

Status

Open

Continuous

Closed

Sponsor Type

Is Federal/State

Is Foundation

1

October 2015

DoD FY15 Autism Clinical Trial Award ☆

Dept. Of The Army – Usanraa

The FY15 Autism Research Program (ARP) Clinical Trial Award seeks applications from all areas in clinical research, and strongly encourages ... applications that address the critical needs of the autism spectrum disorder (ASD) community in the following areas: Behavioral, cognitive, and other non ...

Amount	Deadline(s)	Eligibility	Submission Info
Expected Number of Awards: 2 Estimated Total Program Funding: \$3,200,000			

1

October 2015

DoD FY15 Autism Idea Development Award ☆

Dept. Of The Army – Usanraa

The Autism Research Program (ARP) Idea Development Award supports the development of innovative, high-risk/high-reward research that could lead ... to critical discoveries or major advancements that will accelerate progress in improving outcomes for individuals with autism. This award mechanism is designed ...

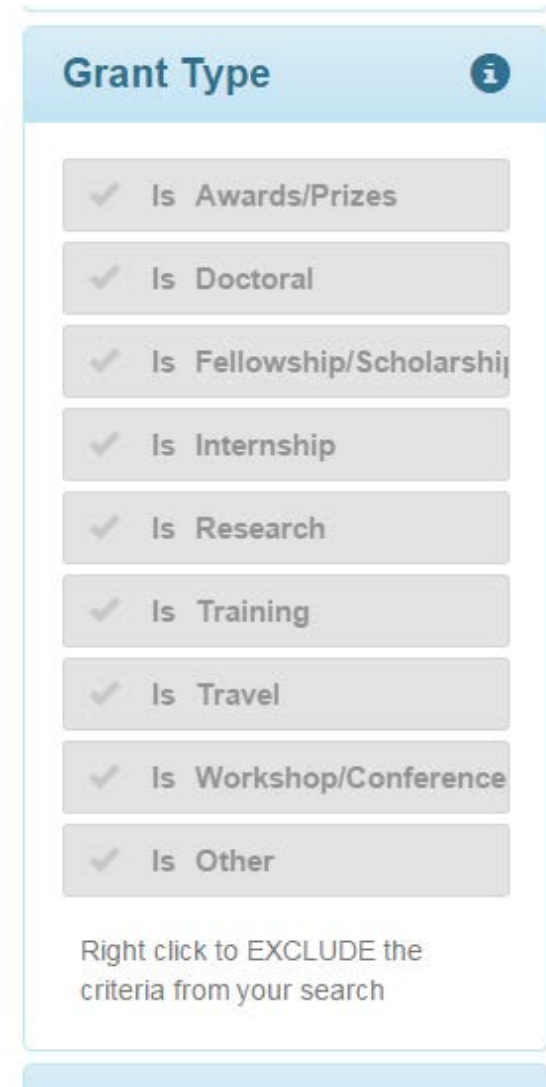
Amount	Deadline(s)	Eligibility	Submission Info
Expected Number of Awards: 4 Estimated Total Program Funding: \$2,176,000			

ersity
25

Powerful Drill Down Features

Can Drill down by:

- Deadline
- Sponsor Type
- Grant Type
- Applicant Type



Finding Funding Passively



NIH TOC

✓ To subscribe to weekly email:

<http://grants.nih.gov/grants/guide/listserv.htm>

View anytime here:

<http://grants.nih.gov/grants/guide/WeeklyIndex.cfm>



E-mail Alert Example

Having trouble viewing this email? [View it as a Web page.](#)



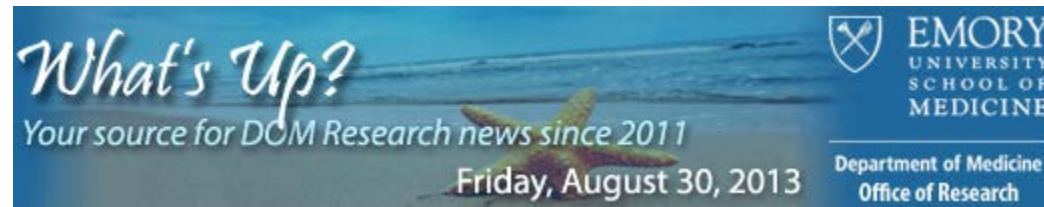
Funding Opportunity

Youth Violence Prevention Interventions that Incorporate Racism/Discrimination Prevention (R01-Clinical Trial Required)

The National Institute on Minority Health and Health Disparities (NIMHD) is leading a new funding opportunity announcement (FOA), RFA-MD-18-005, to support research to develop and test youth violence prevention interventions that incorporate racism/discrimination (R/D) prevention strategies for one or more health disparity populations. The target age range includes middle school to high school-aged youth, corresponding to an approximate age range of 11 to 18.

Finding Funding Passively

- ✓ Subscribe to relevant listservs
- ✓ Establish Profiles on Grantforward and Foundation Directory Online



Georgia CTSA
Weekly eRoundup

Before Applying: Contact the Program Officer

Establishing a relationship with the PO (emails, phone calls or in person at scientific meetings):

- ✓ Ensure scope of work is of interest to the agency
- ✓ Get input on most appropriate opportunity
- ✓ Confirm eligibility
- ✓ May receive tips on how best to frame research to appeal to their funding priorities

Finding the Right Resources



Finding the right resources

- ✓ Cores
- ✓ Mentors & Collaborators – filling in any gaps

Cores and Centralized Resources

Georgia CTSA

<http://georgiactsa.org/index.html>

The Pediatric Research Alliance

www.pedsresearch.org

Emory Dept of Medicine Research Resources

<http://medicine.emory.edu/research/internal-research-resources/index.html>

Emory School of Medicine Supported Cores

<http://www.cores.emory.edu/>

Biostatistical Resources Available

Georgia CTSA BERD- Biostatistics, Epidemiology, & Research Design

- <http://georgiactsa.org/discovery/biostatistics-research-design.html>
- provides comprehensive biostatistical and epidemiological support including support for protocol development, statistical analysis plans, and sample size/power calculations
- Pediatric Biostatistics Core
 - <http://www.pedsresearch.org/research/cores/biostatistics-core/overview/>
 - Provides set # of fully subsidized hours on a preaward basis
 - Post award effort must be built into the budget as % effort
- Biostatistics Collaboration Center (BCC) – offered via the SPH Dept of Biostatistics
 - <https://www.sph.emory.edu/departments/bios/collaboration/bios-consulting-center/>
 - Best for short-term projects.
 - Fee for service per project type

Collaborators & Mentors: Filling in the Gaps



Your Well-Rounded Mentor Team

- ✓ Use aforementioned strategies to locate expertise/qualities you may still need
 - Complementary strengths and aligned research interests
 - Funded/Stable (NIH funded)
 - Well published/Strong biosketch
 - Time considerations
 - Commitment to mentoring and career development
- ✓ Utilize Biosketch personal statements effectively to highlight complements and show interrelatedness

Project Planning and Administration



Project planning

- ✓ Understanding the application requirements
- ✓ Timeline
- ✓ Grants administration

Understanding Application Requirements

Review and digest the FOA –

- ✓ Ask questions for clarification
- ✓ Program officers & grant administrators are very helpful with clarifying aspects of the FOA
- ✓ Make sure that eligibility criteria are clearly met
- ✓ Understand how other received or potential funding could impact the award of your application



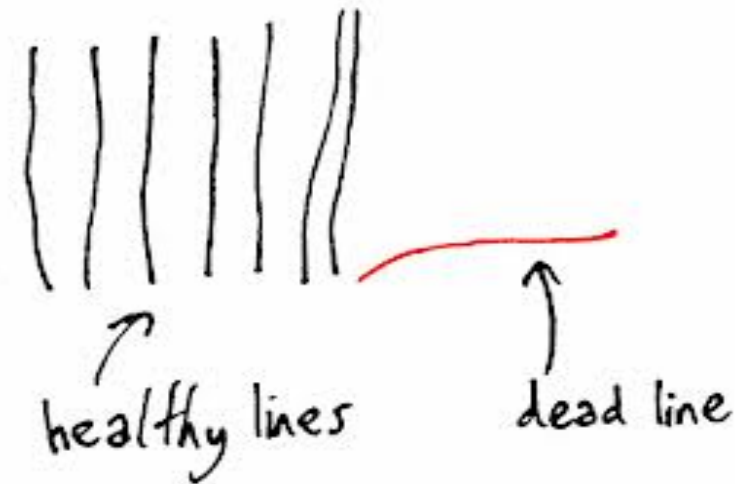
Timeline/Project Plan

- ✓ Starting 3 months in advance is a good rule of thumb
- ✓ Start with the submission date and work backwards setting date driven milestones
 - Ensure dept/divisional leadership is supportive
 - Alert Grants Administrator
 - Contact program officer
 - Schedule ample time to develop/finalize specific aims (allow adequate time for healthy discussion with mentors and collaborators)
 - Develop/finalize budget & budget justification
 - Collect items from others (key preliminary data, biosketches)
 - Set deadlines for drafts of each section
 - Allow time for circulation for review and editing
 - Final deadline to have everything assembled



QUESTION:

Is the submission deadline really the deadline?



ANSWER:

Not really...there are lots of date driven milestones along the way...

Notify your RAS well in advance of the deadline

Proposal Timeline:

- Dept of Peds – Requires 3 weeks advanced notice
- Dept of Medicine – Requires 30-60 days advanced notice
- School of Public Health & School of Nursing – 30 days notice

- **Routing:**

At least 15 business days lead time necessary

Benefits to Routing Early

1. Detailed Review by RAS and OSP
2. System Generation & Creation of Final Packet
3. Final Review in Commons



The Alphabet Soup of Routing

- REDCap
- EPEX
- eCOI
- Cayuse
- OSP



The RAS is your BFF

RAS Expertise in Assembling Grant Applications

- Assistance determining eligibility
- Budget draft creation
- Provide input on budget justifications/cost accounting exception requests
- Creates checklist of all the required sections – both customary and obscure
- Resource for boilerplate and example language
- Manages nuts and bolts process of assembling application and routing logistics

Take Home Points

- Find a devoted expert mentor and align with other key contributors
- Publish, Publish, Publish before submitting
- Utilize resources (funding databases, statistical help, etc)
- Get division/department support early and in writing (startup, commitment to cost sharing, space, dedicated time and effort)
- Establish a timeline with milestones and stick to it
- Attend K-Club

