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**Career Development Events:****Office of Postdoctoral Affairs**

- [Individual Development Plan \(IDP\) Program at Columbia University](#)

The Columbia University IDP program will assist NIH-funded graduate students and postdoctoral researchers with the implementation of IDPs. To learn more about what an IDP is and why they are critical for postdocs to develop, please read more [here](#) and [here](#). The IDP program developed at Columbia University has been designed for NIH-funded graduate students and postdoctoral trainees, with a particular goal of reaching graduate students in the third and fourth year of training and postdoctoral researchers in the first two years of training. However, the program will be applicable to non-NIH-funded graduate students and postdocs, particularly those in science, technology, mathematics, and engineering (STEM) fields.

The 2014 program will commence with a three-part seminar series on IDPs:

- **August 21<sup>st</sup>, 2014:** “The Individual Development Plan: Strategically Navigate Your Scientific Career”. This seminar led by Cynthia Fuhrmann, University of Massachusetts Medical School, will cover the importance of career management, how to conduct a self-assessment, the significance of an IDP, and best practices for developing an IDP.
- **September 10<sup>th</sup>, 2014:** “Bringing Your IDP To Life: Practical Career Strategies”. This seminar led by Keith Micoli, NYU School of Medicine, will cover career exploration, formulating career goals, and implementing an IDP.
- **September 26<sup>th</sup>, 2014:** “Beyond the Elevator Speech: Understanding the Power of Networking”. This seminar led by Melanie Sinche, Harvard University, will cover the importance of networking, effective networking strategies, the value of informational interviews, and how to conduct an informational interview.

In addition, optional workshops will assist trainees in the completion of an IDP. Program participants will provide elements of their IDPs to the Graduate School of Arts and Sciences or the Office of Postdoctoral Affairs to ensure compliance, and are encouraged to share portions of their IDPs with their faculty mentors.

Following the IDP seminar series, a monthly career panel and networking reception will allow trainees to learn about a variety of career opportunities both within and beyond academia. Postdoctoral researchers may also join peer mentoring groups to discuss their IDPs, career goals, and career exploration activities, and to receive support and feedback from their peers.

For more information about the Columbia University IDP program, including registration details, please visit: <https://www2.gsas.columbia.edu/idp/>

- **First Annual Columbia University Postdoc Research and Career Symposium**

The Columbia University Office of Postdoctoral Affairs is sponsoring the first annual Columbia University Postdoc Research and Career Symposium to be held on Wednesday, September 17<sup>th</sup> 2014. The event will feature a postdoc research poster session, data science career panel, and a networking and awards reception.

Postdoc Research Poster Session:

The poster session is intended for Columbia University Postdocs to share their research with their peers and faculty at Columbia University with the ultimate goal of fostering interdisciplinary collaborations. Postdocs from any of Columbia University’s Schools, Departments, Institutes, and Centers are welcome to submit an abstract describing their research or scholarly projects for consideration of acceptance into the poster session. Postdocs that are considering presenting their research as a poster should submit an abstract of no more than 300 words as a PDF or word document to [postdocaffairs@columbia.edu](mailto:postdocaffairs@columbia.edu) with the email heading of ‘Abstract Submission’ by August 20<sup>th</sup>, 2014.

Top poster awards, including a laptop, tablet, and iPad will be announced during the networking and awards ceremony. Posters will be judged by a judging committee consisting of postdocs and faculty. If you are interested in serving as a judge on the judging committee, please send an email to [postdocaffairs@columbia.edu](mailto:postdocaffairs@columbia.edu) with the email heading of 'Judging Committee' by September 10<sup>th</sup>, 2014 and further information will be sent to you about the expectations for the judges on the judging committee.

#### Data Science Career Panel

The data Science Career panel is intended for Columbia University Postdocs to learn about how data science can be used to answer a wide-range of critical questions, what a data science career entails, and potential career opportunities in Data Science, as well to hear the career stories of four data scientists who all have direct ties to Columbia University. The data science career panel will feature four panelists, one of which, Dr. Chris Wiggins, will give an overview of the field of data science at the onset of the panel session. The data science career panel will consist of:

Dr. Chris Wiggins, Associate Professor in the [Department of Applied Physics and Applied Mathematics at Columbia University with additional affiliations with](#) Columbia University's [Institute for Data Sciences and Engineering](#), [Department of Systems Biology](#), and the [Department of Statistics](#). He is also the Chief Data Scientist for the New York Times. (<http://www.columbia.edu/~chw2/>)

Dr. Kenny Shirley, Researcher at AT&T labs (<http://www2.research.att.com/~kshirley/contact.html>)

Dr. Kiril Tsemekhman, Senior Vice President and Chief Data Officer at Integral Ad Science (<http://integralads.com/about-integral/management-team>)

Dr. Kathy Copic, Program Director for Growth at insight data science (<http://insightdatascience.com/>)

#### Networking and Awards Reception

The networking and awards reception will offer the opportunity for postdocs across Columbia University to network with faculty, their peers, as well as the data science career panelists. The top poster award winners will be announced during the reception. The event will feature a selection of wines, hor d'oeuvres, as well as other beverages.

Date: Wednesday, September 17<sup>th</sup> 2014

Location: Poster Session and Reception: Hammer Health Sciences Building (4<sup>th</sup> floor) River View Lounge, Data Science Career Panel: Hammer Health Sciences Building, Room 401

Time: Poster Session: 3:00-5:00 PM, Data Science Career Panel: 5:00-6:30 PM, Networking and Awards Reception: 6:30-8:30 PM

Event Flyer: [PD research and career symposium](#)

Full event details can be found at: <http://postdocs.columbia.edu/>

- **Regeneron Site Visit: What is it Like to Work in the Bio-Pharma Industry?**

What is it like to work for a bio-pharma company? OPA has set up an informational site visit to Regeneron Pharmaceuticals, Inc. in Tarrytown, NY for **Monday, August 25th** from 10:00am-3:00pm (excluding travel time).

Regeneron is a biopharmaceutical company that discovers, invents, develops, manufactures, and commercializes medicines for the treatment of serious medical conditions. This site visit will include a company overview session, various presentations, lunch, a Q&A, and an interactive facility tour.

A Columbia University Postdoc has volunteered to lead the trip to Tarrytown, NY via Metro North Train. The group will be meeting at the Harlem-125<sup>th</sup> Street station for an 8:25am train departure. Purchase of roundtrip tickets (\$26) will be at your own expense.

Please RSVP to [cupostdocs@gmail.com](mailto:cupostdocs@gmail.com). Further detailed instructions will be emailed to you separately.

\*Please note that space is limited\*

- **'Careers in Medical/Science Writing' – A talk by Jennifer Chang, PhD**

Do you have an interest in communicating medicine and/or science? Ever wondered what a career in medical/science writing entailed? If so, you should attend this talk by Jennifer Chang, PhD. Jennifer conducted postdoctoral training at NYU School of Medicine before making a career transition into the field of medical/science writing a few years ago. Jennifer is now a Scientific Affairs Associate and Medical Writer at Axon Communications. She will share with everyone how she became interested in this career sector, how she made the transition, and give some insights into the medical/science writing profession. Ample time will be provided for questions from the audience and a small networking reception will follow the talk.

Date: Wednesday, August 8th  
Location: Russ Berrie Building, Room 1 (Medical Campus)  
Time: 6:00 – 7:00 PM, with small reception to follow  
Registration: <https://calendar.columbia.edu/sundial/webapi/register.php?eventID=73220>

- **OPA Website, Events Calendar, LinkedIn group, and Facebook page:**

Are you interested in hearing about job opportunities? If so, see the LinkedIn blurb below.

OPA wants you to hear about our events through the medium that is the most convenient for you. For many of you this might be through email and the emailed weekly postdoc digest. For others though, perhaps seeing our events advertised on our office's website, our LinkedIn group, or our Facebook page might be more appealing.

Did you know that the Office of Postdoctoral Affairs (OPA) has a website? Go to <http://postdocs.columbia.edu/> to view all of the resources and information that OPA has to offer you. On the OPA website you should check out our events calendar (<http://vesta.cumc.columbia.edu/postdoc/calendar/index.php>) for upcoming events.

Are you on LinkedIn? If you are, you should join the Columbia University Postdoc and Postdoc Alumni Group: (<http://www.linkedin.com/groups?gid=3814461&trk=group-name>). We will be posting to this group page event descriptions as well as relevant career and job opportunities. For instance, we recently posted information about job opportunities with the consulting firm, BCG. If you are not on LinkedIn, you should set up an account, as LinkedIn provides a tremendous platform for networking, career exploration, and job searching.

Do you spend even a few minutes on Facebook a day? If so, then you should join the Columbia University Postdocs and Postdoc Alumni Facebook group: [http://www.facebook.com/#!/home.php?sk=group\\_137677722958203&ap=1](http://www.facebook.com/#!/home.php?sk=group_137677722958203&ap=1). We will be posting upcoming events on this Facebook group page, which will show up in your Facebook feed and allow you to receive group invites to our events.

- **Postdoc Council Member Recruitment:**

Are you interested in representing your fellow postdocs and gaining leadership experience? If so, you might be interested in joining one of the postdoctoral councils that have been established for the Morningside and Medical campuses. Each postdoctoral council meets once a month (often times with free lunch) with the Office of Postdoctoral Affairs to discuss, plan, and help carry out social and career development events. Postdoctoral council members also represent their postdoc communities and can relay any suggestions/feedback to the councils and the Office of Postdoctoral Affairs. As a token of appreciation for serving on the postdoctoral council, Postdoctoral council members receive an annual membership to the New York Academy of Sciences (NYAS). If you are interested in serving on one of the postdoctoral councils, please send me an email at [rf2531@columbia.edu](mailto:rf2531@columbia.edu).

### ASCENT Computer Science and Engineering Fellows Program at Columbia University

- **ASCENT Fellows program details:**

We are excited to announce the launch of [NYC ASCENT](#), a new program for Computer Science and Engineering postdocs. ASCENT is a program aimed at **Advancing Computer Science Careers through Enhanced Networking and Training**. Inspired by New York City's emerging tech markets and advances in the fields of computer science and engineering, Columbia University, Cornell University, the City University of New York, and New York University have formed a consortium to connect the growing community of computing science and engineering postdocs with entrepreneurs, technology professionals, and senior researchers in their field.

Funded by a grant from the [National Science Foundation](#) and the [Computing Research Association](#), this collaboration will provide professional development and increased networking opportunities for its members by implementing several best practice programs during the postdoc years. These will include training in how to obtain funding, how to get published, how to develop leadership skills, how to manage independent projects, and how to apply for jobs. The program will also provide travel awards and robust career services. At the end of his or her postdoc period, Fellows will receive ASCENT Certification, provided they have met the program requirements.

A postdoc is eligible to become, and receive certification as, an ASCENT Fellow if he or she:

1. Is a Computer Science or Computer Engineering postdoc at any campus of Columbia, Cornell, CUNY, or NYU;
2. Submits an ASCENT Fellow Application through the program web site;
3. Creates an Individual Development Plan and reviews/revises it with his/her mentor at least once annually;
4. Attends at least 8 of the 12 events, workshops, or seminars offered by ASCENT each year, including the Employer Fair and Career Symposium;\*
5. Participates in periodic surveys regarding ASCENT programming and their postdoc experience.

Postdocs interested in participating in the ASCENT fellows program should fill out an ASCENT Fellow Application form on the program web site at [www.nycascent.org](http://www.nycascent.org). We believe that this experience will be a benefit both to the postdocs and to their faculty mentors.

While a postdoc's primary faculty host is their most important mentor, we anticipate that other faculty and researchers will also be able to contribute to the postdoc experience. With this in mind, we are creating a mentor pool for the CS&E postdocs, consisting of faculty members from our four participating institutions, as well as individuals from the local Computer Science and Engineering industries.

- **ASCENT Fellows Program Kickoff Event:**

We would also like to invite you to attend the NYC ASCENT Program's Kickoff event, which will be held at the Microsoft Technology Center, located at 11 Times Square, on Thursday, September 4 from 5:00-8:00pm. This will

be an opportunity for you to meet other faculty members, mentors, and postdocs involved with this program, as well as the program's PIs and Senior Personnel. Please RSVP [here](#) to attend the Kickoff Event.

### **Columbia University Human Research Protection Office Institutional Review Board (IRB)**

Do your research plans involve human subjects research? If so, you should consider attending the IRB training session in August on the Morningside campus (listed below).

Postdocs at the medical campus might consider checking for future IRB training sessions at the medical campus here: <http://www.cumc.columbia.edu/dept/irb/>

#### ***New Faculty/Postdoc/Graduate Student Training***

#### ***IRB 101: Human Subjects Research Protections & How to Submit a Protocol to the CU IRB- Morningside***

Date: Wednesday, August 20, 2014

Time: Noon – 2:00 pm

Location: Hamilton 703

Register at: <https://calendar.columbia.edu/sundial/webapi/register.php?eventID=72413>

### **Columbia University Center for Digital Research and Scholarship**

- **Research Data Management (RDM) and Stewardship Community Meeting**

Do you work with data used or generated in scholarship or research?

Recognizing that everyone who does faces many of the same circumstances in dealing with these data, we thought an informal group could productively work together to find solutions for common challenges in research data management (RDM) and stewardship. To encourage this type of interest across Columbia University, CDRS is inviting those across the university & its affiliates who work with, or are interested in issues of, RDM to participate in building a community of interest and support.

The email list associated with this group is [CU-RDM@lists.columbia.edu](mailto:CU-RDM@lists.columbia.edu). Anyone is welcome to join this list by going to <https://lists.columbia.edu/mailman/listinfo/cu-rdm>

Our first meeting is on August 21 at 3pm in Butler Library, Rm 523. Please RSVP here <http://bit.ly/RDMMeetup>. We look forward to seeing you there!

### **New York Academy of Sciences (NYAS)**

- **Afterschool STEM Mentoring Program**

The Academy's [Afterschool STEM Mentoring Program](#) is now accepting applications for the Fall 2014 semester. The program will train eligible graduate students and postdoctoral fellows engaged in STEM fields to teach hands-on science enrichment courses to middle school students in afterschool programs at organizations like the YMCA and the Boys and Girls Clubs. Mentor placements are available in New York City, Syracuse, Oswego, Utica, Albany, Stony Brook, NY, and Newark, NJ.

Mentors can choose to teach a life sciences or computing/physical sciences curriculum and can receive an Academy Fellow Teaching Credential for completing a semester of teaching and training.

Deadline for Fall 2014 semester is August 15. For more information or to submit an application, visit [www.nyas.org/AfterschoolProgram](http://www.nyas.org/AfterschoolProgram).

- **Special Event: What Every International Student/Postdoc should know about US Employment**

Interested in hearing how H-1B sponsorship happens from the inside? Dan Beaudry, former head of campus recruiting at Monster.com, shares the potent job search system used by many international students and postdocs to find U.S. employment. H-1B's are won in ways you likely don't expect. What you'll discover in this presentation may surprise you:

- Learn how to secure H-1B sponsorship at companies that have a policy against sponsoring H-1B visas.
- Learn why 80 percent of open jobs are never advertised - and how to find them before anyone else.
- Learn why human resources is often an obstacle instead of a conduit to finding a U.S. job-and how to bypass it.
- Learn why submitting résumés online is not an effective use of your time-and how you can better invest that time.

Date: Monday, September 22<sup>nd</sup>

Location: NYAS

Time: 6:30-8:00 PM with Coffee and cookie reception from 8:00 PM to 9:30 PM.

Registration: <http://www.nyas.org/Events/Detail.aspx?cid=0b4cc948-bc8b-493f-a534-aa41877db8c2>

## **Social Events:**

### **Office of Postdoctoral Affairs**

- **Postdoc Weekly Coffee/Tea Hour – CUMC**

These coffee/tea hours are a great way for you to meet other postdocs and hear about upcoming events. The coffee/tea hour is informal and you can stop by for as long as you would like. NOTE CHANGE IN TIME FOR THIS COFFEE/HOUR

CUMC

Date: Wednesday, August 11<sup>th</sup>

Time: **3:30-4:30 PM**

Location: Hammer Sciences Building, Room 404

- **Summer Movie Nights Out**

We are announcing the sign-up for the upcoming August Movie Night! OPA is providing free movie tickets. Then after the movie, Postdocs are invited to stay with the group and go out for some drinks or food at the individual's expense. There will be an additional movie night in September.

August Movie Night Out\*

**Date:** Tuesday, August 12<sup>th</sup>

**Movie:** Guardians of the Galaxy (<http://marvel.com/guardians>)

**Time:** Around 7pm

(Further details will be emailed out to those interested with specific time and place)

*\*There are only a tickets still available, so please sign-up ASAP by emailing: [cupostdocs@gmail.com](mailto:cupostdocs@gmail.com)*

- **Postdoc Mailing Lists**

To help facilitate communication between Postdocs and to only receive communication about the items you are interested in receiving from fellow Postdocs, you can join one of the four mailing lists. Please read about each group below and follow the steps below to join as many of them as you would like. Once you receive access to the group, you will be able to email other members of the mailing list.

[postdoc\\_social@lists.columbia.edu](mailto:postdoc_social@lists.columbia.edu)

Share, plan and discuss social events going on at Columbia or around the city. Connect with other CU postdocs. Invite other postdocs to attend social activities and events around New York City, or alert the community when something is happening at Columbia that is not hosted by OPA.

[postdoc\\_equipment@lists.columbia.edu](mailto:postdoc_equipment@lists.columbia.edu)

Do you have a piece of equipment that you are not using in your lab? Do you need something, but don't know where to get it, or don't want to spend a lot of money purchasing something? Send an email to this list to see if anyone can help you out. Of course, all exchanges should be legal and allowed by your lab or PI. OPA does not endorse selling/collecting money through these lists.

[postdoc\\_families@lists.columbia.edu](mailto:postdoc_families@lists.columbia.edu)

Get in touch with other postdocs who have children and families. Learn about events and social activities for parents, and kid-friendly events for families. Exchange opinions and recommendations for babysitters, schools, after school activities, etc.

[postdoc\\_housing@lists.columbia.edu](mailto:postdoc_housing@lists.columbia.edu)

Are you moving? Looking for housing? Post here and see if other members of the postdoc community have any information to share!

To Sign Up for the Mailing Lists:

1. Visit the following link(s) corresponding to the list(s) you would like to join.
  - [https://lists.columbia.edu/mailman/listinfo/postdoc\\_social](https://lists.columbia.edu/mailman/listinfo/postdoc_social)
  - [https://lists.columbia.edu/mailman/listinfo/postdoc\\_equipment](https://lists.columbia.edu/mailman/listinfo/postdoc_equipment)
  - [https://lists.columbia.edu/mailman/listinfo/postdoc\\_families](https://lists.columbia.edu/mailman/listinfo/postdoc_families)
  - [https://lists.columbia.edu/mailman/listinfo/postdoc\\_housing](https://lists.columbia.edu/mailman/listinfo/postdoc_housing)
2. Fill out the form at the website, and submit it
3. Subscription to these lists requires approval, and you will be notified once our office approves your subscription. If you are using a non-columbia email address, please also send an email to [cupostdocs@gmail.com](mailto:cupostdocs@gmail.com) to alert us.

Once you are member, you will receive emails from other members. To send an email to the mailing lists, simply write an email to email address (listed above).



To unsubscribe, visit the same website you used to subscribe to the mailing list. Scroll to the bottom of the page, where you will see an unsubscribe option.

## Research Seminars:

### **Office of Graduate Affairs Basic Sciences Weekly Calendar**

No events yet posted this week. Check the calendar links below throughout the week to see if any seminars are added.

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Alternate ways to view the calendar:  
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View the up-to-date Basic Sciences Weekly Calendar within Google Calendar:

1. At the bottom of your calendar list on the left, click the Add down-arrow button and select Add by URL.
2. Enter the Basic Sciences Weekly Calendar address in iCalendar format address in the field provided:  
<http://www.google.com/calendar/ical/gsas.cumc%40gmail.com/public/basic.ics>
3. Click Add.

Or to view the up-to-date Basic Sciences Weekly Calendar in a browser without signing in to Google Calendar:

[http://www.google.com/calendar/embed?src=gsas.cumc%40gmail.com&ctz=America/New\\_York](http://www.google.com/calendar/embed?src=gsas.cumc%40gmail.com&ctz=America/New_York)

Or view our on-line Calendar in its original format at:

[http://sklad.cumc.columbia.edu/gsas/interior.php?sub=5\\_1](http://sklad.cumc.columbia.edu/gsas/interior.php?sub=5_1)

## Funding opportunities:

### **Columbia Resources for funding:**

#### **InfoEd:**

- InfoEd is software that manages sponsored programs for over 600 institutions globally. Included in the Info Ed package are SPIN and SMARTS. To access InfoEd and the online training for SPIN and SMARTS please go to: <http://spa.columbia.edu/funding/overview> and click on "Search for Funding (SPIN)". Log in with your UNI and password.
- SPIN: is a searchable funding database that contains national, international, government, and private funding sources. You can search for all types of awards (grants, fellowships, private foundations, publication support, etc.)
- SMARTS: is an automatic daily e-mail service that notifies you of relevant new funding opportunities based on a keyword match that you initiate.
- All faculty and research officers including postdocs are already in InfoEd and can have access to SPIN and SMARTS. It will take approximately 10-15 minutes to complete your profile. [Please click on this link for instructions to submitting your profile in InfoEd.](#)
- Please Note: All questions regarding the use of SPIN and SMARTS needs to be addressed to the InfoEd helpdesk at [infoedhelpdesk@columbia.edu](mailto:infoedhelpdesk@columbia.edu). All questions regarding the submission of your profile information into InfoEd needs to be addressed to [postdocaffairs@columbia.edu](mailto:postdocaffairs@columbia.edu).

**Office of Research Initiatives:**

- The Office of Research Initiatives coordinates various funding opportunities for Columbia University, including some funding opportunities for postdocs. Navigate through their webpage to learn more: <http://researchinitiatives.columbia.edu/>
- Limited Submission Funding Opportunities: A number of funding opportunities occur annually that entail participating institutes performing an internal competition and then sending internal nominees on to the granting agency for a limited competition for funding. Some of these competitions are specifically for postdoctoral fellowships or postdoctoral career transition awards. Here is one such tremendous funding opportunity with an internal deadline in the near future:

Limited Submission

2015 Burroughs Wellcome Fund – Career Award for Medical Scientists (CAMS)

Internal Proposal Deadline – 9:00 a.m. on Monday, August 25, 2014

**WHAT:** The CAMS program provides \$700,000 over five years for physician-scientists to bridge advanced postdoctoral/fellowship training and the early years of faculty service. Indirect costs may not be charged against BWF grants.

Burroughs Wellcome Fund has created an eligibility quiz. All potential applicants are strongly encouraged to take this quiz. [https://www.grantrequest.com/SID\\_227?SA=SNA&FID=35027](https://www.grantrequest.com/SID_227?SA=SNA&FID=35027)

**PROGRAM EMPHASIS:** Proposals must be in the area of basic biomedical, disease-oriented, or translational research. Proposals in health services research or involving large-scale clinical trials are ineligible. Up to two additional awards will be made to clinically trained psychiatrists, who focus on research at the interface between psychiatry and neuroscience.

**WHO:** Candidates should be two years away from becoming an independent investigator, have at least two years or more of postdoctoral research experience, and have a significant publication record.

- Candidates must hold an M.D., D.D.S., or D.V.M. degree.
- Proposals must be in the area of basic biomedical, disease-oriented, or translational research. Proposals in health services research or involving large-scale clinical trials are ineligible.
- Candidates must be a fellow, resident, or a postdoctoral researcher and have at least two years of postdoctoral research experience at the time of application.
- Candidates must not be more than 10 years past their most recent earned doctorate degree. No exceptions will be made.
- Candidates with a clinical degree not awarded in the U.S. or Canada must be fully licensed to practice in the U.S. or Canada or have completed a residency in the U.S. or Canada.
- Candidates who hold a junior faculty appointment (Lecturer, Instructor, Assistant Professor-non tenure track, etc.) may be eligible if they have been in a faculty position for two years or less at the time of application. To meet this requirement, the appointment must have begun no earlier than July 1, 2011.
- Candidates must be citizens or permanent residents of the U.S. or Canada at the time of application. Persons who have applied for permanent resident status but have not received their government documentation by the time of application are not eligible.

**WHEN: INTERNAL PROPOSAL DUE – 9:00 A.M. on August 25, 2014**

Sponsor Proposal due – **October 1, 2014 by 4:00 p.m., Eastern Time**

**HOW:** The internal proposal must include the following components.

1. Cover Page with the following information:
  - a. Candidate's name, department, contact information and residence status;
  - b. Title of the proposed research project;
  - c. Start date (month and year) of most recent position (clinical fellowship, residence, postdoctoral fellowship or junior faculty appointment); and,
  - d. Date (month and year) of most recent doctorate degree
2. Candidate's Biosketch (four-page limit) – NIH-style biographical sketch without a personal statement.

3. Lay Scientific Abstract (one-page limit)
4. Research Plan (Six-page limit, including figures, tables, graphs and images, but not references. 11- or 12-point font with 1-inch margins) including:
  - a. Specific aims/background;
  - b. Scope and significance of your postdoctoral research;
  - c. Work you plan for the faculty years; and,
  - d. Career objectives, including how the award will help you achieve these objectives.
5. Letter of Recommendation from Faculty Sponsor\*
6. List of current and pending grants

**\*Important:** Nominees selected through the internal competition will be required to submit an additional two letters of reference to Burroughs Wellcome: <http://www.bwfund.org/pages/471/CAMSsections-of-the-proposal/>.

Please combine all 6 parts of the internal proposal in a single PDF file and email to [gcc19@columbia.edu](mailto:gcc19@columbia.edu) and [mb3952@columbia.edu](mailto:mb3952@columbia.edu) by 9:00 a.m. on Monday, August 25, 2014. The subject of the email should be "2015 BWF CAMS".

RFP: <http://www.bwfund.org/pages/188/Career-Awards-for-Medical-Scientists/>.

For additional information, please contact: Greg Culler at [gcc19@columbia.edu](mailto:gcc19@columbia.edu) or 212-854-6285.

### Sponsored Projects Administration:

- Sponsored Projects Administration (SPA) is the office at Columbia University that exclusively deals with grants management, including grant submissions and post-award processes. SPA lists numerous funding opportunities on their webpage as well as updates to funding policies: <http://spa.columbia.edu/>

### National Institutes of Health (NIH) Funding Opportunities:

- Did you know that the NIH has a grant program that pays your student loans while you are doing research? The next submission deadline period is September 1<sup>st</sup>-November 15<sup>th</sup>. Learn more about the program here: <http://www.lrp.nih.gov/index.aspx>
- The next submission deadline for the NIH NRSA F32 individual postdoctoral fellowship is December 8<sup>th</sup>. Information on the F32 fellowship can be found here: <http://grants.nih.gov/grants/guide/pa-files/PA-14-149.html>
- The next submission deadline for the NIH K99/R00 career development award is October 12<sup>th</sup>. Information on the K99/RO1 award can be found here: <http://grants.nih.gov/grants/guide/pa-files/PA-14-042.html>
- The NIH also has other career development awards besides the K99, some of which are geared towards postdocs. Information on the whole K series of awards can be found at: <http://grants.nih.gov/training/careerdevelopmentawards.htm>

### National Science Foundation (NSF) Funding Opportunities:

- The NSF has a number of fellowship opportunities for postdoctoral researchers. Many of the submission deadlines for these fellowships are in October 2014. A full listing of the various fellowship opportunities can be found here: <https://www.fastlane.nsf.gov/servlet/fastlane.pdoc.DisplayProgramType>
- Two examples:
  - The Directorate for Social, Behavioral & Economic Sciences Postdoctoral Fellowship: [http://www.nsf.gov/pubs/2014/nsf14595/nsf14595.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14595/nsf14595.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

- The Mathematical Sciences Postdoctoral Research Fellowship:  
[http://www.nsf.gov/pubs/2014/nsf14582/nsf14582.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14582/nsf14582.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

#### Department of Defense (DOD):

- The DOD has a number of funding areas, some of which may be open to postdoctoral submissions. Please look through the various funding opportunities if you are interested. They can be found here:  
<http://cdmrp.army.mil/funding/reftable.shtml>

#### Other Government Agency Funding Opportunities:

- A number of government agencies fund postdoctoral research projects including the Department of Energy (DOE), the Environmental Protection Agency (EPA), and the Food and Drug Administration (FDA). Learn more about a wide-range of funding opportunities that may be open to postdoctoral submissions here:  
<http://www.science.gov/internships/graduate.html>

#### Foundations:

- Numerous non-for profit foundations exist domestically and internationally that provide grant funding to research aligned with their specific interests.
- The Health Research Alliance is a consortium of over 50 different foundations that collectively sponsor over \$1.5 Billion dollars in research annually. Each foundation within the group has their own funding mechanisms, many of which are open to postdoctoral submissions. More information of the foundations that are part of the Health Research Alliance can be found at the following pages: <http://www.healthra.org/> and [http://www.healthra.org/download-resource/?resource-url=/wp-content/uploads/2014/04/HRA\\_fact\\_sheet\\_5\\_1\\_2014.pdf](http://www.healthra.org/download-resource/?resource-url=/wp-content/uploads/2014/04/HRA_fact_sheet_5_1_2014.pdf).
- The chronicle of philanthropy is an online resource dedicated to the non-profit sector. Their webpage can be found here: <http://philanthropy.com/section/Home/172/>. You can create a free online account and then login to search through their list of available grant opportunities, some of which may be open to postdoctoral submissions.
- Does your research focus on breast cancer, if so check out the postdoctoral fellowship opportunity from the Susan Komen foundation at: [www.komen.org/RFA](http://www.komen.org/RFA).
- Are you an Israeli citizen? If so, you might be eligible to apply for a Gruss Lipper postdoctoral fellowship through the EGL Charitable Foundation. For more details go to: [www.eqlcf.org](http://www.eqlcf.org)
- The Fulbright U.S. Scholar Program's Postdoctoral/early career grants target U.S. scholars who have recently completed their doctoral degrees, with over 170 awards in more than 80 countries worldwide. Many of their post-doctoral opportunities are "All Discipline Research awards", meaning they are open to post-docs working in all areas of academic research. [Italy](#), [France](#), [Spain](#), [Israel](#), and [Egypt](#) all offer the opportunity for young scholars to work with an institution of their choice and pursue their research interests, with durations ranging from 4 to 20 months. There are also postdoctoral opportunities targeted to scholars in specific fields. More information about the Fulbright Scholar Program can be found on their website, <http://www.cies.org/>, and the complete catalog can be accessed online at <http://catalog.cies.org/>. As outlined in our [Eligibility Guidelines](#), all applicants must be U.S. citizens at the time of application. The current competition will close on August 1, 2014.
- The Hope Funds for Cancer Research is pleased to announce a request for research proposals for postdoctoral fellows working in oncology. These **3-year fellowships will be awarded to postdoctoral scientists** commencing in 2015. The first step in the application process is to submit an abstract of the proposed research using the *Summary of Research Form* and providing a brief description of the project. This form can be

downloaded from our website: <http://www.hope-funds.org/grants/eligibility-and-application/>. The completed form and project description should be submitted by email directly to [grants@hope-funds.org](mailto:grants@hope-funds.org) not later than **5:00 PM EDT on September 18, 2014**. An independent peer-review study session will review these abstracts and recommend a final group of candidates, who will be notified by December 2014. These candidates will be asked to submit a more detailed research proposal and some additional supporting application materials. Final selection and notification of grantees will be completed by April 2015.

- The Wellcome Trust has numerous funding opportunities for postdocs at varying career stages and across several research areas. Please go to their webpage to find out about their opportunities: <http://www.wellcome.ac.uk/Funding/index.htm>. Here is an example of one such funding opportunity for a career transition award for postdoctoral researchers:

**Career Awards at the Scientific Interface**

Advancing the careers of physical, chemical, or computational science researchers and engineers whose work addresses biological questions.

**Preproposal Deadline:** September 1, 2014

The Burroughs Wellcome Fund's [Career Awards at the Scientific Interface](#) provide \$500,000 to bridge advanced postdoctoral training and the first years of faculty service. Awards are intended to foster the early career development of researchers with backgrounds in the physical/mathematical/computational sciences and engineers whose work addresses biological questions.

These awards are open to U.S. and Canadian citizens or permanent residents as well as to U.S. temporary residents.

Complete [eligibility requirements](#)

## Career Resources:

### Office of Postdoctoral Affairs:

- The Office of Postdoctoral Affairs is here to help! If you have any career questions, please email me at [rf2531@columbia.edu](mailto:rf2531@columbia.edu) to make an appointment. We also have a career counselor, Ruth Longobardi, who provides 1 on 1 counseling and runs workshops throughout the year. Later in the summer we will announce her new hours and provide information for signing up for a session with her as well provide you information about her upcoming workshops.

### General Career Resources:

- National Postdoctoral Association (NPA), that's right there's an advocacy group specifically for you! The NPA webpage contains many gems of information for you, including articles on postdoc policy as well as a bevy of career related resources. Since Columbia University is a sustaining member of the NPA you as a postdoc here can register for a free membership using your Columbia email address. Check out their webpage at: <http://www.nationalpostdoc.org/>
- Have you ever wondered where you are going in your career and how you might be able to better manage your career and stay on task to achieve your career goals (or to develop career goals in the first place)? You should read the following articles and complete your own individual development plan (geared towards science postdocs but still relevant for a wide-range of fields): [http://sciencecareers.sciencemag.org/career\\_magazine/author/cynthia-n.-fuhrmann](http://sciencecareers.sciencemag.org/career_magazine/author/cynthia-n.-fuhrmann) and <http://myidp.sciencecareers.org/>

- Elsevier, the widely known publishing company, has a career resources webpage that provides a fair amount of career resources for early stage researcher, with a particular focus on publishing: <http://www.elsevier.com/early-career-researchers/home>

### Science, Technology, Engineering, and Mathematics (STEM) Related Career Resources:

- Science Careers is a great resource for articles on science related career information and news. Science careers also provides a large searchable database of science related job opportunities. Science careers can be found here: <http://sciencecareers.sciencemag.org/>
- The New York Academy of Sciences (NYAS) organizes many seminars, workshops, and courses for NYC area scientists and non-scientists. The main NYAS webpage is located here: <http://www.nyas.org/default.aspx> . The NYAS also runs the Science Alliance, a hub of career development resources for students and postdocs in the NYC area that consists of a consortium of all of the NYC area Universities. The Science Alliance webpage contains video interviews with individuals with science backgrounds who have gone on to a variety of careers (research and non-research) and can be found at: <http://www.nyas.org/WhatWeDo/ScienceAlliance/Careers.aspx?tid=4ac9a42b-60f2-4391-87a0-f81535a6a41d>
- For female graduate students and postdocs in science, technology, engineering, and mathematics (STEM) at Columbia there are three organizations you should check out. The organizations routinely hold interesting and well attended events and all three organizations look for members to get involved in a variety of capacities. The first group is based right here at Columbia University, Women in Science @ Columbia, and their webpage can be found here: <http://womeninscienceatcolumbia.org/> . The second organization you should check out, is the NY Women in STEM organization and their website can be found here: [www.NYWiSTEM.wordpress.com](http://www.NYWiSTEM.wordpress.com) . The third group is a local chapter of the national group, the Association for Women in Science (AWIS), with the local chapter's webpage found here: <http://metronyawis.weebly.com/>
- Cold Spring Harbor Laboratory in Long Island, NY runs numerous courses for students and postdocs on particular scientific research focus areas. Their course listings can be found here: <http://meetings.cshl.edu/courses.html>
- The Marine Biology Laboratory in Woods Hole, Massachusetts runs a series of summer courses for students and postdocs including a well-regarded one on microscopy. Their summer course listings can be found here: <http://hermes.mbl.edu/education/courses/summer/index.html>
- Are you considering an Industry career? If so you should definitely check out Science career's guide for scientists transitioning to Industry that was recently compiled: [http://sciencecareers.sciencemag.org/career\\_magazine/previous\\_issues/articles/2014\\_07\\_03/caredit.a1400170](http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2014_07_03/caredit.a1400170)
- For anyone interested in the medical/science writing profession, there is a free weekly mailing list you can join to hear about numerous medical writing jobs, including many which could be performed part time as a freelancer: <http://www.hittmedicalwriting.com/hmw/the-hittlist/> . Also there is a course and book series on what you need to know about careers in medical/science writing available through their website.
- Want to learn about science journalism and the skills necessary to excel in this field? If so, you should consider taking the World Science Journalism Federation course (online and free): <http://www.wfsj.org/course/> .
- For anyone interested in life science consulting, I would strongly suggest you check out The Solution Lab, a non-profit dedicated to educating graduate students and postdocs about healthcare and pharma consulting through workshops, seminars, and volunteer experiences. The solution lab webpage can be found at <http://thesolutionlab.org/>
- For anyone interested in becoming a scientist-entrepreneur, you might want to check out The Entrepreneurship Lab, a NYC based organization designed for NYC life scientist students and postdocs interested in gaining practical entrepreneurial experience. Their webpage can be found at <http://elabnyc.com/> . Interested in learning more about the latest happenings in the science and technology entrepreneurship world? If so, you might want to keep up to date using <http://www.xconomy.com/>

- Are you interested in technology transfer and product commercialization? If so, you should read about what the Columbia University Technology Ventures Office does, join their mailing list, and attend some of the events they host throughout the year. Their website and mailing list can be found at: [www.techventures.columbia.edu](http://www.techventures.columbia.edu) and [Subscribe to our mailing list](#). You can also attend one of the riverside chat series seminars that are put on by NYC Tech connect. Go to their webpage here: <http://nyctechconnect.com/>
- Are you a postdoctoral researcher here with a focus on Neuroscience? If so you should check out the Columbia Translational Neuroscience Initiative: <http://ctni.info/> . They have a newsletter, NERVE which one can subscribe to in order to find out about the latest neuroscience research going on right here at Columbia.
- Does your research involve computer science? If so, you should definitely check out the ASCENT program: The [NYC ASCENT](#) program is for Computer Science and Engineering postdocs. ASCENT is a program aimed at **Advancing Computer Science Careers through Enhanced Networking and Training**.
- Do you wish to have personalized recommendations of the best research articles in biology and medicine by the world's largest group of leading scientists and clinicians? Check out the Faculty of 1000 Prime: <http://f1000prime.com> . F1000Prime offers fast and comprehensive identification and assessment of the best research articles in biology and medicine by the world's largest group of leading scientists and clinicians. F1000Prime provides researchers with a personalized literature service using a collection of innovative tools and resources.

#### Higher Education:

- Chronicle of Higher Education is a great resource for articles on the latest happenings and trends in higher education. Chronicle of Higher Education also maintains a tremendous searchable database of job opportunities in academia, particular teaching positions and administrative positions. They also list many adjunct teaching positions available in Colleges and Universities in the greater NYC area. The Chronicle of Higher Education can be found here: <http://chronicle.com/section/Home/5>
- Three other great resources for learning more about trends and job opportunities in higher education can be found here: <http://www.insidehighered.com/#sthash.aLurJTGi.dpbs> , <https://www.higheredjobs.com/search/default.cfm> ,and <http://www.hercjobs.org/>

#### Non-Profit/Government:

- If you are interested in what is happening in the non-profit sector, a great resource is The Chronicle of Philanthropy, which also maintains a searchable database for jobs in the non-profit sector at many foundations and non-governmental organizations. The Chronicle of Philanthropy can be found here: <http://philanthropy.com/section/Home/172/>
- Another great resource for the non-profit sector is Idealist, which maintains databases of volunteer opportunities as well as a plethora of jobs available at non-profits across the country. Their website can be reached here: <http://www.idealists.org/>
- Are you interested in exploring a career working for the US government? Remember the US government encompasses many federal organizations such as the EPA, NIH, NSF, FDA, FBI and USDA among others. If so check out this webpage for a full listing of job opportunities working for the US Government: <http://www.usa.gov/Citizen/Topics/Government-Jobs.shtml>
- Interested in working on the policy end of Science? If so you will want to look into the premier fellowship/training program to do just that: <http://www.aaas.org/program/science-technology-policy-fellowships>

#### Consulting:

- Thinking about exploring a career in consulting? Did you know that Columbia University has a consulting club? The Columbia Graduate Consulting Club holds regular events and membership to their group is open to postdocs. Check out their website: <http://www.columbia.edu/cu/consultingclub/>