Tosteson-Fund for Medical Discovery (FMD) Postdoctoral Fellowship Awards

• **Application Deadline:** October 2, 2017 – 5pm

• Intended to support MGH MD and PhD Research Fellows/Clinical Research Fellows pursuing either fundamental or clinical research.

• **Faculty Type:** MD and PhD Research Fellows/Clinical Research Fellows

• **Award Amount:** $47,500 plus fringe and indirect costs
Opportunities for Junior Faculty

• Claflin Distinguished Scholar Awards 2018
  • Application Deadline: October 11, 2017 – 5pm
  • Provides funding for female junior faculty to sustain research productivity during their child-rearing years
  • Faculty Type: Instructors, Assistant Professors who are within 10 years of their first full-time faculty appointment at the time the award is initiated
  • Award amount: $50,000 per year for two years, plus 15% indirect costs
Opportunities for Junior Faculty

• Howard M. Goodman Fellowship 2018
  • Application Deadline: October 25, 2017 – 5pm
  • Intended to further the careers of outstanding independent young scientists who have demonstrated the potential to rise to a leadership position in their chosen field
  • Faculty Type: Junior faculty who would normally hold the position of Assistant Professor
  • Award Amount: $150,000 per year for two years, plus 15% indirect costs
MGH Research Scholars Program

• **Application Deadline:** October 12, 2017 – 5pm

• Intended to support the careers of outstanding MGH investigators doing cutting-edge research

• Faculty may submit proposals under one of three categories: **Clinical research**, **Fundamental research**, or **Population and healthcare research**

• **Faculty Type:** Independent MGH research faculty at the level of Assistant, Associate or Full Professor.

• **Award Amount:** $100,000 per year for 5 years, including 15% indirect costs.
Annual ECOR Elections

For ECOR Representatives from the MGH Research Community

Nominate Yourself or a Colleague

**Nominations Deadline:** **Friday, September 29**

- **2 OPENINGS** -
  - One Associate Professor
  - One Professor

For information about ECOR & ECOR Reps responsibilities go to:
[http://ecor.mgh.harvard.edu/about/elections](http://ecor.mgh.harvard.edu/about/elections)

Nomination form:
[https://ecor.mgh.harvard.edu/elections/NominationForm.aspx](https://ecor.mgh.harvard.edu/elections/NominationForm.aspx)

Questions? **ECOR@mgh.harvard.edu**
Join us in the Research Resource Room in Simches 3.120!
Questions for Dr. Slavin

Write your questions on the postcard and hand it to an ECOR Staff member as you exit this meeting!

OR

Email your question to: ecor@mgh.harvard.edu
MGH Research Council  
September 5, 2017

GSD MGH Graduate Student Fall Kick Off  
Thursday, September 7, 2017, 12:00 – 1:00 pm

PDD Welcome to Boston: An Overview of the Life Sciences Ecosystem  
Thursday, September 14, 2017, 12:00-1:00 pm, CNY

ORCD Building Your Lab Team and Setting Expectations  
Monday, September 18, 2017, 12:00 – 1:00 pm

PDD Postdoc Appreciation Ice Cream Social  
Tuesday, September 19, 2017, 1:30 – 2:30 pm

ORCD Responsible Conduct of Research: Authorship I  
Monday, October 16, 2017, 3:00 – 4:00 pm

For questions or program registration, email orcd@partners.org
Call for Applications!
Career Pathways for Postdocs Internships

Do you want to learn skills and gain experience to take your career in a new direction?

The Career Pathways for Postdocs (CPP) initiative offers short-term, part-time internships to help you make informed choices about careers away from the laboratory bench.

Internship Opportunities for Fall 2017:

<table>
<thead>
<tr>
<th>Academia-Industry Collaborations</th>
<th>Non-Profit Administration/Communications</th>
<th>Program Development and Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory Compliance</td>
<td>Research Core Administration</td>
<td>Research Innovation &amp; Commercialization</td>
</tr>
<tr>
<td>Science Communication: Academic Research</td>
<td>Science Communication: Internet Presence</td>
<td>Science Communication: Museum Exhibits</td>
</tr>
</tbody>
</table>

Application deadline: September 13, 2017

Please email orcd@partners.org for application/information.
Calling all science communicators!

Does your science have a digital component? Are you using artificial intelligence or deep learning? Does a Smartphone or an iPad help you to collect data or diagnose patients?

This is your chance to present your science during HUBweek to a panel of judges representing four leaders in health and science:

- The Boston Museum of Science
- WBUR Radio
- STAT
- The Union of Concerned Scientists

For more details, go to massgeneral.link/HUBweekScience

Hurry, the deadline to apply is this Friday!
Suggestion: I am a MGH PI – and was recently updating my business card to include my MGH web address. The web address is quite long with a string of digits/numbers. This is fine for hyperlinking, but not for including on a business card or letterhead. Could we have IT simplify or personalize the web address, so that the web address would become something like:
www.MGHResearchInstitute/FirstName.Last Name  It would be nice to be known other than aspx?id=16382 on my business card.

Impact: The simplified web addresses creates an easier method for distributing web addresses which in turn will assist with communication, advertising and marketing.

Ed Ryan, MD
Infectious Disease
Suggestion of the Month

Example:

Dr. Ryan’s original web address was:
http://www.massgeneral.org/research/researchlab.asp
x?id=1715&display=overview

Now, Dr. Ryan can provide this simplified address:

http://massgeneral.link/EdRyanMD
Interested PI’s can download guidelines, forms, review criteria, resources and apply at https://idg.partners.org
INNOVATION
DISCOVERY GRANTS
- 2018

• 2018 Areas of Interest:
  • Artificial Intelligence
  • Cognitive Computations
  • Data Science
  • Machine Learning

• Program Goals:
  • Identify areas of strength in the PHS community
  • Increase & accelerate capabilities within PHS community
  • Enhance commercial outcomes
INNOVATION DISCOVERY GRANTS - 2018

Guidelines:

• Up to $50,000 total cost can be requested (inclusive of 15% IDC)
• PI’s must be faculty or employee at PHS or a Partners institution
• Twelve month project periods anticipated
• PHS resources to be used for support data processes – resources are listed on website
• External reviewers for pre and full proposals
  ➢ Do not include confidential, unprotected information

Ten Awardees to be announced at WMIF April 24, 2018

2016 Awardee Outcomes Include:

• Howard Weiner, MD  - Tilos Therapeutics formed to support development and commercialization of drug candidate as new checkpoint inhibitor for the treatment of cancer
• Lynn Bry, MD, PhD  - Consortia TX formed to support human studies and develop targeted microbiota as a therapeutic for food allergy
ECOR Grants: Guidelines & Tips for Applicants
Agenda

• ECOR Awards & Grants
  • Website
  • Program Overview
• Subcommittee on Review of Research Proposals (SRRP)
• The Review Process
• ECOR Awards & Grants
  • Bridge Funding Program
  • Postdoctoral Fellowship Awards
• Feedback?
ECOR Awards & Grants

• Website
• Program Overview
Awards & Grants

ECOR has a major internal grants and awards program, virtually a mini-foundation, which annually reviews nearly 800 applications from MGH investigators and fellows, and awards approximately 120 internal grants.

ECOR launched a major grants program in 2006 to provide interim/bridge support to faculty whose NIH or other federal funding is delayed or otherwise interrupted.

ECOR also awards the Martin Prize, the Howard Goodman Award, the Claflin Awards, and the Multi-Cultural Affairs Office Award, and the Tosteson and Fund for Medical Discovery post-doc fellowship awards.

In January 2011, ECOR launched the MGH Research Scholars Program, a major initiative to award research support to outstanding faculty in the MGH research community in support of innovative, cutting-edge research. The first five scholars were named in May 2011; another eight were named in May 2012. Each Scholar receives research funding of $100,000 a year for 5 years.

ECOR is now accepting applications online!

ECOR Faculty Awards
- Claflin Distinguished Scholar Awards
- H.M. Goodman Fellowship
- Martin Research Prize
- MGH Physician-Scientist Development Award
- MGH Research Scholars Program

ECOR Postdoctoral Awards
- Tosteson and Fund for Medical Discovery Fellowship

External Award Nominations
- Pew Scholars
- Smith Family Foundation for Biomedical Research

ECOR Interim Support Grants
- Deliberative Interim Support Funding
- Formulaic Bridge Funding
- Sequestration Relief Funding
October 10, 2014

ANNOUNCEMENTS
1. Research Council slides posted!
2. Animal Researchers - notice of the AAALAC Site Visit November 3rd
3. Harvard purchasing program ending October 28, 2014
4. Core of the Week: MGH Histopathology Research Core
5. Research Navigator Tips: Watch a Video Tutorial
6. The Latest from PCORI - Applicant Training Events; Medical Device Industry Webinar; Hep C Workshop

EVENTS
1. MGH New Faculty Orientation
2. CRP Spotlight Series: CRC Discussion Group on Epic
3. Boston Single Cell Network Meetings

FUNDING OPPORTUNITIES
1. The MGH Research Scholars Program
2. Limited Submission Funding Opportunities
3. Private Funding Opportunities
4. NIH Update for Week Ending October 10, 2014

IN CASE YOU MISSED IT
Reminders of recently posted funding opportunities, deadlines and events
Faculty Support

In FY17, we awarded **$13.4M** to **122 investigators**

<table>
<thead>
<tr>
<th>Grant</th>
<th>$</th>
<th>PIs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interim Support Funds (ISF)</td>
<td>$6.0M</td>
<td>76</td>
</tr>
<tr>
<td>(Formulaic/Deliberative)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FMD &amp; Tosteson Fellowships</td>
<td>$1.6M</td>
<td>22</td>
</tr>
<tr>
<td>(Postdoctoral Awards)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECOR Awards &amp; Prizes</td>
<td>$1.8M</td>
<td>16</td>
</tr>
<tr>
<td>MGH Research Scholars</td>
<td>$4.0M</td>
<td>8</td>
</tr>
</tbody>
</table>
Subcommittee on Review of Research Proposals (SRRP)
What is SRRP?

Subcommittee on Review of Research Proposals (SRRP)

• Reviews the funding applications submitted to ECOR; performs preliminary reviews and selects MGH candidate(s) for limited submission funding opportunities

• Approximately 20 review cycles occurred in FY17, with an average of 10 reviewers participating in each cycle

• For each review cycle, ECOR assembles a unique panel of diverse reviewers from across the institution – note: most will not be an expert in your field!

• Reviewers do this as a service to the community, all are active PIs
Current Composition of SRRP

112 Total: 32 Professors, 52 Associate Professors, 28 Assistant Professors

- Medicine: 32%
- Cancer Center: 9%
- Urology Service: 1%
- Anesthesia: 5%
- Surgery: 7%
- Dermatology/CBRC: 4%
- Radiation Oncology: 4%
- Psychiatry: 6%
- OB/GYN Service: 1%
- Molecular Biology: 2%
- Pediatric Service: 3%
- Pathology: 4%
- Neurology: 10%
- Neurosurgery: 1%
- Radiology: 11%
SRRP Leadership

Iain Drummond, PhD
Nephrology

Karen Miller, MD
Neuroendocrine

Edward Ryan, MD
Infectious Disease

Kristin White, PhD
Dermatology
The Review Process
How are Reviews Conducted

Online Review
• Complete a quality assurance check
• Reviewers are asked to rank all applications
  • Due to sheer volume, some reviews are conducted in multiple rounds
  • In the final round of review, all reviewers read all applications
  • The review process is ~4 weeks per round.

Review Meeting *(led by a minimum of 2 co-chairs)*
• The Co-Chairs establish the meeting rules & reviews policies and practices *(see next slide)*
• Open discussion follows
Reviews: Policies and Practices

Conflict of interest policy
• Carefully evaluate whether or not their role, or relationship to the applicant, will significantly bias the review of the application

Confidentiality
• Remind reviewers of the confidentiality of the process and that they cannot divulge the results

Recusal guidelines
• If a reviewer feels unable to provide an objective evaluation of an application, they are expected to recuse themselves from the review of the application.
The Discussion

Triage

• From the list of ranked proposals, a cut-off line for discussion is proposed based on the number of final awards
• Invite reviewers to “rescue” applications from triage

Top ranks

• Obtain consensus on the top tier of applicants
• Invite reviewers to comment on anyone above that line and discuss any differences
The Discussion (cont’d.)

The middle ground – usually the most complex part

• Invite comments on all remaining people above the cut-off line
• Normally ask the person who has ranked them highest and the person who has ranked them lowest to comment why
• Then open the application up for discussion
• Applications are ranked by consensus
• Always have at least one alternate selected

Final step

• Funding recommendations are reviewed for final approval by the ECOR Executive Committee
ECOR Awards & Grants
Bridge Funding Program
Bridge Funding Overview

- ISF funding is intended to preserve valuable research programs at MGH that are suffering due to the harsh funding climate, giving investigators a chance to retool their applications for resubmission.

- Two funding mechanisms exist to support our researchers during a lapse or delay in funding.
**Formulaic** Bridge Support (FBS):
- Investigators whose grants received scores ≤20th percentile
- Accept applications monthly

**Deliberative** Interim Support Fund (ISF):
- Investigators whose grants received scores >20th percentile
- Investigators whose grants were not scored or whose scores were not converted to a percentile ranking
- 3 deadlines/year: April 1st, August 1st, December 1st
Deliberative ISF Eligibility

• PIs pursuing either basic or clinical research

• Full time MGH appointment at the time of application and during the entire award period

• Types of Awards:
  • R01, R21, DOD, NSF
  • Program Project Grants (PPG), awards are limited to 50% (e.g. PPG with 4 projects cannot get ISF for more than 2 projects ever)
  • Multi PI Grants are eligible

• New award applications and competing award applications (both A0 and A1)

• A PI can only submit one application per review cycle
Caveats

• If a PI has already received Formulaic Bridge Funding or Deliberative Interim Support on their A0 grant application, they must apply through the Deliberative ISF regardless of the score they received on their resubmitted grant.

• **New!!** Investigators who have received ECOR bridge funding (either Formulaic or Deliberative) in the past 24 months must submit all current bridge funding requests (regardless of percentile) through the Deliberative process.

• If an ISF or FBS grant is given and the submitted proposal to the NIH is funded, any unspent portion of the ISF award must be returned to ECOR.
What Makes a Good ISF Application?

Reviewers consider these factors in ranking your application:

- **Scientific quality of the proposal:** reviewers judge the scientific quality and enthusiasm for the proposed research, and the scientific standing of the PI.

- **The likelihood of funding on resubmission:** The Response to Reviews is a very important element in a resubmission. A complete and thorough response, whether it is with new data, or removal of troublesome aims, or by a well-reasoned rebuttal, is a strong indicator of the likelihood of success.
What Makes a Good ISF Application? (cont.)

• **Applicant’s research trajectory:** The biosketch provides a pretty clear indicator of where the PI stands in his/her field. A strong publication record indicates a highly productive research program.

• **Importance to the department and institution:** Does the chief’s letter indicate that the PI is a valued member of the department? Does the success of the PI’s research program influence other research in the department? Has the PI provided valuable service to the department or institution?

• **Financial need:** Is there evidence of financial need? Will the applicant face loss of his/her position at MGH if no ISF support is offered?
## ECOR ISF → NIH conversion

<table>
<thead>
<tr>
<th>ECOR ISF Grants</th>
<th>NIH Grants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grants</td>
<td>Total ECOR Awarded</td>
</tr>
<tr>
<td>Formulaic</td>
<td>296</td>
</tr>
<tr>
<td>Deliberative</td>
<td>409</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>705</td>
</tr>
</tbody>
</table>

_ISF Grants and NIH Funds Received (inclusive of IDC) 2006 – 2016_
ECOR Grants & Awards
Postdoctoral Fellowships
Postdoctoral Fellowships Overview

The Tosteson & FMD Awards are intended to support the salary of junior investigators (MD and PhD Research fellows, Clinical Research Fellows) during a one year period at MGH who are in the training phase of their research.

Amount of each award: $47,500 plus fringe

Number of Awards given: 22
Postdoctoral Fellowships Overview (cont.)

There are three calls for these awards:

- Two calls for basic or clinical research
  • June 1\textsuperscript{st} and October 1\textsuperscript{st}

- One call focused on clinical research
  • February 1\textsuperscript{st}
FMD Clinical Fellowships

The following definition for Clinical Research (from the NIH Grants Policy Statement Glossary) is used to assess eligibility:

1. **Patient-oriented research**: Research conducted with human subjects (or on material of human origin such as tissues, specimens, and cognitive phenomena) for which an investigator directly interacts with human subjects. *In vitro* studies that utilize human tissues that cannot be linked to an individual are therefore not eligible for this award. Patient-oriented research includes:
   - Mechanisms of human disease
   - Therapeutic intervention
   - Clinical trials
   - Development of new technologies

2. **Epidemiological and behavioral studies**

3. **Outcomes and health services research**
What Makes a Good FMD Application?

Reviewers consider these factors in ranking FMD applications:

• **Scientific quality of the proposal**
  - Is the proposal designed to address an important question and have a significant impact?
  - Is the proposal well written and clearly organized?
  - Is the proposal innovative or has the applicant developed a new system to make discoveries?
  - Can the work reasonably be done in a year?
  - Are pitfalls and alternative approaches adequately considered?
  - Is the preliminary data convincing?
What Makes a Good FMD Application?

- **Trajectory**
  - Do the publications, proposal and the mentor’s letter indicate that the applicant is formulating their own research ideas?
  - Does the applicant have an appropriate number of publications from their graduate and postdoc years? Are the publications important to the field?
  - Is there an indication that the applicant is on a pathway to independence?
What Makes a Good FMD Application?

• Mentorship
  • Does the applicant have strong support from their mentor? Is the mentor committed to developing the applicant’s independent career?
  • Does the mentor provide a comprehensive training plan for the applicant, including opportunities to learn new techniques, present their research data, and interact with other researchers? Does the training plan fit with the applicant’s career goals?
  • Has the mentor successfully trained other fellows?
What Makes a Good FMD Application?

General suggestions

• Make sure your fellow is **eligible to apply**, based on the information provided in the call for applications.

• **Consider whether this is the best time for your fellow to submit** a proposal. Only one application per year is allowed, so if your fellow will be in a better position in terms of publications or preliminary data in a few months, it is best to wait.

• **Please carefully proofread all sections of the proposal.** Prepare well in advance and ask the mentor to read the entire proposal. If your fellow needs help with grammar, please have their colleagues read a final proof.

• **More tips** available on the ECOR website under Awards and Grants tab and on the Resource tab
Feedback?
Why We Can’t Provide Feedback

Applicants are not provided with written or oral critiques of their applications, due to:

**Volume**

- MGH research is highly diverse. To make use of the broad expertise of the review panel, most reviews involve reading 20+ applications over the course of 2-3 weeks
- In person panel discussion is important for the final ranking
- REMEMBER – the review committee is comprised of your peers, who have many other responsibilities!

**Integrity of review**

- Possible detriment to working relationships
- Potential for inappropriate pressure on reviewers
Other Ways to Obtain Feedback

Review by colleagues prior to submission

• Find people who will give you a true critique, not just fixing a word or two

• The most useful comments can come from colleagues outside of your direct area of expertise, as they more closely resemble the review panel

• You can learn about the process by serving as a reviewer
Become an SRRP reviewer!

• All faculty members are welcome to apply and join this subcommittee

• To be eligible to review ISF, reviewers are required to have NIH study section experience

• Stipend of $40 per application, ~$1,000 - $2,000 per review
My ECOR Grants Profile Page

Please fill out the information requested below and it will be used for processing ECOR grants. Please visit frequently and update your profile as information changes.

First* | Last* | Email* | Phone*
---|---|---|---
John | Citizen | ecort@mgh.harvard.edu | 6176437420

Degrees* | Academic Rank*
---|---
PhD | Assistant Professor

Department Chief*
---
Armstrong 30AA, (Katrina)

Department
---
Medicine

Department Code
---
30AA

Grant Admin
---

Grant Admin Email
---

Grant Admin Phone
---

Delegate For
---

My Delegates
---

Do you want to be an SRRP reviewer?

Save Profile
Questions?
Insight 4.0

Project Update

Scott McNeal, Corporate Director
Research Applications and Analytics

September 2017
Agenda

- Project Update
- Timeline
- Upcoming Research Community Involvement
Overall Expectations

- Leveraging existing working groups
- Outreach to PI community

- Prioritizing the upgrade across the business areas will help us all be successful

- Hands on for certain job functions
- Reference libraries with training videos, interactive PowerPoint guides or Quick Reference Cards (QRCs)
**Schedule Approach**

- Project is organized into three primary tracks or sub-teams
  - Disclosures (COI)/Effort Reporting
  - Agreements/Proposal Submission & Tracking
  - eIRB, eIACUC, eIBC and Meetings

- We will be announcing beta versions to the community in order to receive feedback on specific features beginning in September

- The System will run in parallel with existing applications for a period of time prior to go live until certain criteria are met for a full cutover

- Extensive training plans and approaches are in development to assist with the overall transition
Project Update

Insight 4.0
Insight 4.0 Progress to Date

- Effort module Go Live in October 2016
  - Two reporting cycles have been completed with over 10,000 effort reports completed

- Disclosures module Go Live in May 2017
  - 15,000 people have completed their annual disclosure

- Agreement module is 90% completed
  - Replaces InfoEd and current Insight Agreement module

- IACUC forms set overhaul is 95% complete
  - Will be brought into Insight 4.0 for beta testing

- Full details of completed activities and upcoming work are posted to the Research Navigator
  - [http://navigator.partners.org](http://navigator.partners.org)
Community Outreach

- Over the last 6 months we have presented at 15 research meetings at the MGH

- We have involved over 500 people through demonstrations and hands on validation

- We are planning to actively engage investigators this Fall in the following areas:
  - Agreement Submission/Tracking
  - New IACUC Protocol Submissions
  - Post Award Financial Management/Reporting
  - New BioSafety Registration Submission
Delivery Schedule & Project Updates on the Navigator

Insight 4.0

Project Timeline

Key Contact
Monica Anderson
Associate Director, Research Applications and Analytics
617-835-6600
moanderson@partners.org

Go Live Dates
- Effort Reporting - 9/23/2016
- Disclosures - 5/11/2017
- Agreements - 12/18/2017
Upcoming Research Community Input

Insight 4.0
Agreement Submission

Overall Objectives:
• Validate the overall design and layout of the module
• Try the submission of certain transactions – MTAs, NIH grant Application, etc.
• Review the new process tracking icon to understand where something is
• Preview all of the new features being added

Timeline:
• September - October
Post Award Financial Management

Overall Objectives:
• Validate the overall design and layout of the module
• Review the different financial reporting views for existing awards
• Review the new process tracking icon to understand where something is
• Preview all of the new features being added – PI portfolio analytics, Cost Transfer requests, Forecasting, Investigator Activity Reports

Timeline:
• September - October
BioSafety Registration Submission

Overall Objectives:
• Validate the overall design and layout of the module
• Try the submission of certain transactions of a new registration
• Review the new process tracking icon to understand where registrations are in the process

Timeline:
• September - November
IRB Current View

Overall Objectives:
• Validate protocol migration to the new data model
• Review major version of forms/staff/attachments in the new UI design

Timeline:
• September - November
New IACUC Forms Submission

Overall Objectives:
- Review the new IACUC forms
- Try to create a new application submission using an existing protocol
- Review the new process tracking icon to understand where something is
- Preview all of the new features being added

Timeline:
- September - November
Thank you!

Scott McNeal
smcneal@partners.org
617.671.5453

Research Applications and Analytics Support Desk
insighthelpdesk@partners.org
617.424.4175