Searching for Dollars: Grant Seeking to Support Research
Finding Grant Funding Using Sources at the University of Pittsburgh and on the Internet

Barbara Folb, MM, MLS, MPH
Health Sciences Library System
University of Pittsburgh
http://hsls.libguides.com/grants
folb@pitt.edu

Please use the chat box for technical issues... you should hear audio in this webinar

Housekeeping

- Ask questions in the chat box
- We will answer as we go along, but have also built in a few breaks for questions
**Objectives**

- Able to access Pitt and HSLS support for finding funding
- Aware of a recommended process for seeking funding
- Describes types of funders
- Access best search tools for each type of funder
- Access funding help for early career development and for non-US citizens

**HSLS Support**

[http://hsls.libguides.com/grants](http://hsls.libguides.com/grants)
This research was supported by grant U54 AI057160 Project 5 and the Broad Foundation (K.C., N.M., and H.W.V.), R01 AI084887 (T.S.S. and H.W.V.), the Lallage Feazel Wall Fellowship DRG-1972-08 from the Damon Runyon Cancer Research Foundation (K.C.), training grant NIH T32-AI007172 (N.M.), the Pew Foundation (K.K.P. and T.S.S.), Washington University Digestive Diseases Research Core Center DK52574, Pfizer biomedical agreement with Washington University, fellowship award from the Crohn's and Colitis Foundation of America (A.C.Y.N), and grants DK83756, DK086502, and DK043351 (R.J.X.). Washington University holds U.S. patents 7,041,444 B2, 7,264,923, and US 7,455,972 related to growth and detection of MNV. Washington University and H.W.V. receive income based on licenses for MNV technology.


Federal Grants

- U54 center grant, supporting a specialized or comprehensive research center
- R01 research project grant
- T32 individual training grant
- DK (P30) grants for activities added to the core U54 Center grant.
Private Funders (Foundations, Charities)

- Broad Foundation
- Lallage Feazel Wall Fellowship from the Damon Runyon Cancer Research Foundation
- Pew Foundation
- Crohn's and Colitis Foundation of America

Commercial Funding

- Pfizer
- Patents
Poll time!

• How do you currently find funding opportunities?

Feb 2014: Preclass survey of postdocs (n=33)
How do you currently find funding opportunities?

- Other
- Subscription databases
- Funder websites
- None, just getting started
- Free Web resources
- Newsletters, email
- Word of Mouth

0 5 10 15 20 25 30
Best single resource: pivot.cos.com

Recommened Process for Finding Funding
Three Types of Searches

- Historical
- Current
- Future

Tip: Make it a group effort

Identify possible funders

Set up autoalerts

Monitor trends
Historical Searching: Look back for funding patterns

Isn't it funny how day by day nothing changes, but when we look back everything's different? By Kate Ter Haar http://bit.ly/20ZRuDb License: https://creativecommons.org/licenses/by/2.0/legalcode

Present Funding Searches

Email Alert Services


Email Alerts for pages you choose

- http://www.watchthatpage.com/
Pivot Weekly Alerts

- http://pivot.cos.com/

Future funding

Future Federal Funding-Budget Requests, Long Range Plans

https://officeofbudget.od.nih.gov/br.html

FY 2018 NIH budget request themes:

1. Fundamental science enhanced by technological advances
2. Treatments and cures
3. Health promotion and disease prevention
4. Enhancing stewardship

Long Range Plan Example


- Recommendation 1.6. Establish a Disaster Information Management Research Center at NLM ...
- How I used it
  - Funded fellowship grant research project: Information Needs and Practices of Disaster First Responders
HHS Future Funding on Grants.gov

http://www.grants.gov/web/grants/search-grants.html

Source: Calendar by Dafne Cholet http://bit.ly/1KZnbFa
https://creativecommons.org/licenses/by/2.0/legalcode
GET ORGANIZED!
Suggestions on info to keep: Prospect worksheets (Foundation Center)
http://foundationcenter.org/findfunders/wrksheet/

Photo © Barbara Fölb
Foundations

- 501c3 non-profits funded by a single source of money
- Must give away a % of assets every year
- Report activities to IRS (990-PF)
- Track record created by 990-PF filings

Image source:
http://www.sxc.hu/photo/59075
Public Charities

- 501c3 non-profits
- Money from many sources
- Not required to give away a specific amount
- Not required to report every grant to government

Private Funding Historical Searching

- Foundation Directory Online
  - Go to Carnegie Library Main Branch, 2nd floor in library use only
  - Can subscribe through Foundation Center
    - http://foundationcenter.org/

- OORHS Pitt
  - Keeps a list of known funders
Foundation Historical and Current Search Questions

- Match - your research, their mission and funding history
- Activities they will / will not fund?
- Do they fund in your geographic area?
- Do you meet the application requirements?
- Does the amount and duration available match your need?

Finding Current Foundation Opportunities

- Individual foundation websites
  - Any built in alert systems in the website
  - WatchThatPage http://www.watchthatpage.com
- Pivot (check if your target foundations are included)
  - http://pivot.cos.com/
- Office of Research Health Sciences
  - http://www.oorhs.pitt.edu/
Government
Historical Search Tools

- NIH RePORTER
  - http://projectreporter.nih.gov/reporter.cfm
- NSF Awards Search
- HSR Proj

RePORTER Search Screen

- Sign up for MyReporter
- Default limits to active projects, change for earlier info
Data visualization tool

Use to see which agencies funded retrieved projects

Vizualize: RePORTER tool
Circle Visualization- alternative way to see search results. Click on a section of the circle, see the associated grants list, link out to them.

Search Hint: Check Project Terms from interesting records

- From RELAX: A Mobile Application Suite Targeting Obesity and Stress

- Selected Project Terms
- Behavior... Body Weight decreased...
- Counseling... Decision Making... Diet...
- Exercise... food consumption... Life Style...
- Lifestyle intervention... mobile application...
- Online Systems... Physical activity...
- Risk Reduction... Stress... stress management...
- Weight
Current Government Funding

http://www.grants.gov

https://grants.nih.gov/grants/oer.htm
Weekly email:
https://grants.nih.gov/grants/guide/listserv.htm

Grants.gov search tips

- Results are relevancy ranked
- Default connector: OR
  - Ex: diabetes prevention - retrieves diabetes OR prevention
- AND, NOT also available
  - Ex: diabetes AND prevention - both words should be present
Search entered: **diabetes prevention**

<table>
<thead>
<tr>
<th>Funding Opportunity Number</th>
<th>Opportunity Title</th>
<th>Agency</th>
<th>Posted Date</th>
<th>Close Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDC-RFA-DP14-142203PFPHF16</td>
<td>PPHF18, Heart Disease &amp; Stroke Prevention Program and Diabetes Prevention – State and Local Public Health Actions to Prevent Obesity, Diabetes, and Heart Disease and Stroke – Financed Solely by 2016 Prevention and Public Health Funds</td>
<td>Centers for Disease Control and Prevention</td>
<td>02/22/2016</td>
<td>04/29/2016</td>
</tr>
<tr>
<td>PAR-15-158</td>
<td>Planning Grants for Pragmatic Research in Healthcare Settings to Improve Diabetes and Obesity Prevention and Care (R34)</td>
<td>National Institutes of Health</td>
<td>03/06/2015</td>
<td>11/01/2016</td>
</tr>
<tr>
<td>PAR-15-157</td>
<td>Pragmatic Research in Healthcare Settings to Improve Diabetes and Obesity Prevention and Care (R18)</td>
<td>National Institutes of Health</td>
<td>03/06/2015</td>
<td>11/01/2016</td>
</tr>
<tr>
<td>CDC-RFA-DP13-130004PFPHF16</td>
<td>State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity, and Associated Risk Factors and Promote School Health—financed in part by fiscal year 2016 Prevention and Public Health Funds</td>
<td>Centers for Disease Control and Prevention</td>
<td>01/19/2016</td>
<td>03/03/2016</td>
</tr>
<tr>
<td>PA-13-352</td>
<td>Translational Research to Improve Diabetes and Obesity Outcomes (RO1)</td>
<td>National Institutes of Health</td>
<td>09/12/2013</td>
<td>01/07/2017</td>
</tr>
<tr>
<td>PA-13-039</td>
<td>Diabetes and Cardiovascular Disease in Older Adults (RO3)</td>
<td>National Institutes of Health</td>
<td>11/18/2014</td>
<td>01/07/2018</td>
</tr>
</tbody>
</table>

Search entered: **diabetes AND prevention**

<table>
<thead>
<tr>
<th>Funding Opportunity Number</th>
<th>Opportunity Title</th>
<th>Agency</th>
<th>Posted Date</th>
<th>Close Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDC-RFA-DP14-142203PFPHF16</td>
<td>PPHF18, Heart Disease &amp; Stroke Prevention Program and Diabetes Prevention – State and Local Public Health Actions to Prevent Obesity, Diabetes, and Heart Disease and Stroke – Financed Solely by 2016 Prevention and Public Health Funds</td>
<td>Centers for Disease Control and Prevention</td>
<td>02/22/2016</td>
<td>04/29/2016</td>
</tr>
<tr>
<td>PAR-15-158</td>
<td>Planning Grants for Pragmatic Research in Healthcare Settings to Improve Diabetes and Obesity Prevention and Care (R34)</td>
<td>National Institutes of Health</td>
<td>03/06/2015</td>
<td>11/01/2016</td>
</tr>
<tr>
<td>PAR-15-157</td>
<td>Pragmatic Research in Healthcare Settings to Improve Diabetes and Obesity Prevention and Care (R18)</td>
<td>National Institutes of Health</td>
<td>03/06/2015</td>
<td>11/01/2016</td>
</tr>
<tr>
<td>CDC-RFA-DP13-130004PFPHF16</td>
<td>State Public Health Actions to Prevent and Control Diabetes, Heart Disease, Obesity, and Associated Risk Factors and Promote School Health—financed in part by fiscal year 2016 Prevention and Public Health Funds</td>
<td>Centers for Disease Control and Prevention</td>
<td>01/19/2016</td>
<td>03/03/2016</td>
</tr>
<tr>
<td>PA-13-352</td>
<td>Translational Research to Improve Diabetes and Obesity Outcomes (RO1)</td>
<td>National Institutes of Health</td>
<td>09/12/2013</td>
<td>01/07/2017</td>
</tr>
<tr>
<td>PA-13-039</td>
<td>Diabetes and Cardiovascular Disease in Older Adults (RO3)</td>
<td>National Institutes of Health</td>
<td>11/18/2014</td>
<td>01/07/2018</td>
</tr>
<tr>
<td>PA-13-037</td>
<td>Diabetes and Cardiovascular Disease in Older Adults (RO1)</td>
<td>National Institutes of Health</td>
<td>11/18/2014</td>
<td>01/07/2018</td>
</tr>
</tbody>
</table>
Grants.gov search tips 2

- " " for exact phrases
- * multi character wildcard
- ? Single character wildcard
- ~ Proximity with number
  - EX: “diabetes prevention”~7

Grants.gov search tip 3: Just use check box limits
Grants.gov Alerts

- Sign up under “Manage Subscriptions”
- Daily alert not overwhelming in volume

- Options
  - All grants
  - Limit by 5 criteria categories
  - By Funding Opportunity Number

- No option to search by topic
Pivot

- http://pivot.cos.com/funding_main
- Includes private and government funders
- Sophisticated, flexible search engine
- Subscription through Pitt Office of Research
- Create personal account for saving searches

Pivot helps target your results

- Search by funder or by topic
- Use advanced search filters to target retrieval
  - Applicant role
  - Geographic Location
  - Investigator citizenship
  - Amount
  - Due dates
- Allows truncation, phrase searching, boolean operators
- Save searches, automate retrieval
COS Searching Tips

- [http://support.proquest.com/#articleDetail?id=kA140000007Fda](http://support.proquest.com/#articleDetail?id=kA140000007Fda)

- **Topic:** go broad
- **Use Advanced Search**
  - Very useful search limits
    - Due date
    - Eligibility
    - Citizenship
    - Type of award
- **Available syntax:**
  - Truncation * ex: neoplas*
  - Proximity – pre/#, w/# ex: cancer w/3 genetics
  - Exact phrase - ““ ex: “cancer genome”
### Funding Advanced Search

Find Opportunities matching

- **Match all of the fields**
- **Match any of the fields**

**Fields**
- All Fields: cancer
- All Fields: neoplasm or tumor
- All Fields: inflamm or cytokine

**Add another row**

**Amount**

### Search Funding Results

**Your Search:** (cancer OR neoplasm OR tumor) AND (inflamm OR cytokine)

<table>
<thead>
<tr>
<th>Submission type</th>
<th>Top funding types</th>
<th>Deadline</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited Submission</td>
<td>Research</td>
<td>10 Jun 2014</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>Training or Scholarship</td>
<td>10 Feb 2014</td>
<td>$100,000 USD</td>
</tr>
<tr>
<td>Top funding types</td>
<td>Postdoctoral Award</td>
<td>31 Mar 2014</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>Program or Curriculum</td>
<td>31 Mar 2014</td>
<td>see record</td>
</tr>
<tr>
<td>Top sponsor types</td>
<td>Academic Institution</td>
<td>Continuous</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>Federal U.S.</td>
<td>Continuous</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>Other Nonprofit</td>
<td>Continuous</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>Private Foundation</td>
<td>Continuous</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>Professional Society</td>
<td>Continuous</td>
<td>see record</td>
</tr>
<tr>
<td>Top requirements</td>
<td>New Faculty or New Inv</td>
<td>Continuous</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>PhD or MD or Other Pro</td>
<td>Continuous</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>Academic Institution</td>
<td>Continuous</td>
<td>see record</td>
</tr>
<tr>
<td></td>
<td>Nonprofit</td>
<td>Continuous</td>
<td>see record</td>
</tr>
</tbody>
</table>
- Must have individual account
- Two types of alerts
  - New funding announcements
  - Changes to existing announcements
- Email every Sunday with new results
Other Pitt Resources

Other Pitt Grant Seeking Resources

- Office of Research - Find Funding
  - [http://www.research.pitt.edu/find-funding](http://www.research.pitt.edu/find-funding)
- Internal funding Opportunities
- External Funding
  - COS Pivot
- OORHS: Research funding sources
  - [http://oorhs.pitt.edu/research-funding](http://oorhs.pitt.edu/research-funding)
- Internal, external funding databases
  - Selected resources curated by OORHS
- Medical and Health Sciences Foundation
Resources for New Investigators

- NIH
  - Early Stage ad Early Established Investigator Policies (NIG)
  - NIH Grants Policy Statement: 2.3.7.5 New Investigators and Early Stage Investigators

- Compiled Resources
  - UC Berkley - Funding Opportunities for New and Young Faculty
    - http://www.spo.berkeley.edu/Fund/newfaculty.html

- Pivot COS
  - Limit search by Requirements=New Faculty/New Investigator
Pivot Early career search

- Use Advanced Search page drop down menus, choose the following
  - Applicant type: New Faculty/New Investigator
  - Activity Location: Pennsylvania, sub and super entities, and unrestricted.
  - Citizenship: Choose your citizenship, and unrestricted or unspecified

- Add search for your research interests, broadly defined
  - Example: stem cell*

Early Investigator Results
Early Investigator and stem cell*

NIH Career Development Grants

- https://researchtraining.nih.gov/programs/career-development
- Mentored, transitional, independent researcher awards
HSLS Support

http://hsls.libguides.com/grants

Photo © Barbara Fölb