RESOURCES FOR WRITING YOUR NIH APPLICATION

Junior Faculty Leadership Development Program
Overview

- Resources for Grant Writing:
  - External Resources (NIH)
  - Internal Resources

- Funding Opportunities
External Grant Writing Resources
NIH RePORTER

Research Portfolio Online Reporting Tool

- Searchable database of federally-funded projects

http://projectreporter.nih.gov/reporter.cfm
NIH Funding: Matchmaker
NIH Funding: Matchmaker results

**Matchmaker Results**

The Matchmaker tool is used to find NIH funding opportunities that align with specific research interests or keywords. The tool provides a list of projects similar to the entered text, allowing researchers to identify potential funding sources for their projects.

**Examples of Projects**

- **EFFECT OF DRUGS OF ABUSE ON SYNAPTIC TRANSMISSION IN NUCLEUS ACCUMBENS**
  - Contact PI: LUPICA, CARL
  - Organization: NATIONAL INSTITUTE ON DRUG ABUSE
  - Fiscal Year: 2015
  - Funding: NIDA, $185,156

- **THE ROLE OF TLR4 ON NUCLEUS ACCUMBENS-RELATED REWARD BEHAVIOR AND SYNAPTIC PHYSIOLOGY**
  - Contact PI: KASHIMA DANIEL TETSUNORI
  - Organization: VANDERBILT UNIVERSITY
  - Fiscal Year: 2016
  - Funding: NIDA, $28,240

- **SYNAPTIC MECHANISMS UNDERLYING REWARD SEEKING AND COMPELLING DRUG USE**
  - Contact PI: ALVAREZ, VERONICA
  - Organization: NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM
  - Fiscal Year: 2014
  - Funding: NIAAA, $892,193

- **FUNCTION OF INDEPENDENT SYNAPTIC PLASTICITY IN COCAINE-INDUCED BEHAVIORS**
  - Contact PI: KASPER, PASCAL SIMON
  - Organization: HARVARD MEDICAL SCHOOL
  - Fiscal Year: 2014
  - Funding: NIDA, $147,472

- **MEASURING AND MANIPULATING REWARD CIRCUIT PLASTICITY IN OPIATE ADDICTION MODELS**
  - Contact PI: HEARING, MATTHEW CARL
  - Organization: UNIVERSITY OF MINNESOTA
  - Fiscal Year: 2016
  - Funding: NIDA, $152,557

- **NUCLEAR ACCUMBENS SYNAPTIC MECHANISMS OF OXYPEPTIDE MECHANISMS OF CONDITIONED COCAINE ABUSE**
  - Contact PI: ROTHWELL, PATRICK
  - Organization: UNIVERSITY OF MINNESOTA
  - Fiscal Year: 2018
  - Funding: NIDA, $249,000
More NIH Resources

- Center for Scientific Review list of standing study sections (with roster):
  

- NIH Peer Review Videos:
  
Internal Grant Writing Resources
Office of Research: Tools for Grant Writing

- VUMC Useable Grant Text
- StarBRITE: Additional tools for Grant Writing
- BioVU: DNA Databank
- REDCap: Research Electronic Data Capture
- Vanderbilt University Library: Tenne... Censu... Resources
- VICTR Grant Review Studios: A panel of experienced faculty available to critically review grants and provide feedback and suggestions to improve the chances of funding
- VUMC Eskind Biomedical Library

Other Grant-Writing Tools and Resources
- HHS Office of Extramural Research
- Center for Scientific Review (CSR) resources
- NIH Grant-writing Tip Sheet
- NIH Scientific Review Group (SRG) Roster Index
- General science writing and editing resources
- The Edge for Scholars at Vanderbilt

Many federal centers and agencies maintain useful grant-writing resource pages:
- NCI: Preparing Grant Applications
- NIAID: All About Grants
- NIDDK: Grants, the Basics: Application, Review and Award
- NINDS: How to Write a Research Project Grant Application
- NSF: Funding - How to Prepare Your Proposal

https://medschool.vanderbilt.edu/oor/tools-grant-writing
Office of Research: Useable Grant Text

VUMC Useable Grant Text

General Information
- VUMC Background
- Campus, Growth
- VUMC Fact Book
- VIRG Fact Book
- IT Infrastructure

Shared Resources (General Description)
- Overview of Institutional Shared Resources and Cores

Research Centers
- Vanderbilt Institute for Clinical and Translational Research (VICTR)
- Vanderbilt Kennedy Center
- Vanderbilt Diabetes Research and Training Center

Shared Resources (Core Description)
- ACCRE
- BioVU
- Cell Imaging Shared Resource
- Division of Animal Care
- VANTAGE
- VICB High-Throughput Screening Facility
- VICB Chemical Synthesis Core
- Other descriptions (coming soon)

https://medschool.vanderbilt.edu/oor/vumc-useable-grant-text
Office of Research: Shared Resources

Office of Research
VANDERBILT UNIVERSITY MEDICAL CENTER

Research Cores and other Shared Resources

Biomedical research at VUMC is supported by designated institutional cores and shared resources. These facilities offer cutting edge scientific services, enabling access to high-end equipment, advanced techniques and specialized expertise for all Vanderbilt investigators.

Detailed policy and other support information for core facilities can be found in the Core Administration & Policies section.

IMPORTANT NOTICE:

For information about the Vanderbilt University Medical Center and Vanderbilt University transition, please visit our FAQ page. Email any questions or concerns about VUMC cores to coresemail@vanderbilt.edu.

Vanderbilt University Medical Center and Vanderbilt University now use separate C.O.R.E.S. systems:

VUMC.C.O.R.E.S. and VU-C.O.R.E.S.

For information about Vanderbilt University core administration, go to: https://www4.vanderbilt.edu/cores/

Vanderbilt Institutional Core Facilities or Research Centers

(Click on a link below for more information)

A complete listing of all cores, including departmental and limited service cores, can be found in the Research Cores and Shared Resources section.

- VUMC Biostatistics Collaboration Center
- VUMC BioVU Vanderbilt DNA Databank
- VUMC Center for Quantitative Sciences

https://medschool.vanderbilt.edu/oor/research-cores-and-other-shared-resources/
### Topics and locations for each weekday

<table>
<thead>
<tr>
<th>Day</th>
<th>Theme</th>
<th>Location</th>
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<tbody>
<tr>
<td>Monday</td>
<td><strong>Health services research, diagnosis, and prognosis</strong>&lt;br&gt;(Includes some comparative effectiveness research, observational research, and <strong>graphics</strong>)&lt;br&gt;<strong>New:</strong> first Tuesday of each month will be HIV-themed at room 11105 2525 West End</td>
<td>11105 2525 West End</td>
</tr>
<tr>
<td>Tuesday</td>
<td><strong>High-dimensional data</strong>&lt;br&gt;(imaging, high-throughput assays)&lt;br&gt;<strong>New:</strong> first Tuesday of each month will be HIV-themed at room 11105 2525 West End</td>
<td>D2221 MCN&lt;br&gt;(11105 2525 WE on first Tuesday of each month)</td>
</tr>
<tr>
<td>Wednesday</td>
<td>Surgery, anesthesiology, and emergency and critical care medicine</td>
<td>D2221 MCN</td>
</tr>
<tr>
<td>Thursday</td>
<td><strong>Clinical and health research</strong>&lt;br&gt;(other than topics covered on Wednesday)</td>
<td>11105 2525 West End</td>
</tr>
<tr>
<td>Friday</td>
<td>Basic and animal research (not omics)&lt;br&gt;<strong>New:</strong> third Friday of each month will be HIV-themed at room D2221 MCN</td>
<td>D2221 MCN</td>
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[http://biostat.mc.vanderbilt.edu/wiki/Main/Clinics](http://biostat.mc.vanderbilt.edu/wiki/Main/Clinics)
# Edge for Scholars: 
## Online Grant Repository

Contains **153 funded K01, K08, K23, K99, R03, R21, R01 AND reviewers’ comments**

To gain access, email [rebecca.helton@vanderbilt.edu](mailto:rebecca.helton@vanderbilt.edu)
Edge for Scholars: Online Grant Repository

GRANTS IN REPOSITORY

- K23, 24
- R01, 61
- K99, 6
- K07, 2
- K24, 2
- Loan Repayment Program, 7
- K08, 10
- R03, 11
- K01, 11
- K08, 10
- R21, 8
- U01, 2
- VA Merit, 2
- S10, 1
- PCORI, 1
VICTR: Grant Writing Studios

Studios

Studios are structured, dynamic sessions that bring together relevant research experts in a particular methodology to focus on a specific stage of research. Studios are intended to enhance research quality, improve funding success, foster advances in clinical practice and improvements in patient health, increase publications, and generate new hypotheses.

Eligibility

- Any Vanderbilt or Meharry Investigator (Medical/Graduate Student through Professor)
- Project must be Basic, T1 or T2, hypothesis-driven, and involve a human component (human subjects, human records, human tissue)

NOTE: Studios do not count against your one voucher/year limit

Studio Preparation

- Click here for Studio Overview, including tips for

- 4-6 experts
- Studio 3-6 weeks after request made
- Written proposal due ~10 days before studio

https://starbrite.vanderbilt.edu/research/studios.html
Edge for Scholars: Grant Pacing Workshops

What's a Grant Pacing Workshop?

**Break It Down to Build It Better** is a practical series of workshops and peer accountability meetings designed to pace attendees smoothly to the completion of a grant. Topics covered include making a customized grant preparation timeline, using task lists to ensure continuous momentum, constructing flow diagrams, navigating Vanderbilt's submission process, and maximizing assistance from mentors, staff, and students.

**Break it Down to Build it Better** consists of two workshops: A half-day session followed by an all-day workshop about four weeks later. Both sessions involve pre-work. During workshops you will have many opportunities to ask questions, troubleshoot problems, and work on your upcoming submission.

You **must be submitting a grant in the associated cycle** to participate and must commit to both sessions and the majority of the group meetings. Up to 16 individuals are able to participate in each series of workshops. The first workshop is typically held five months prior to the intended major NIH grant submission deadline.

**Yearly Schedule:**

<table>
<thead>
<tr>
<th>First Workshop</th>
<th>Second Workshop</th>
<th>NIH Deadline</th>
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<tbody>
<tr>
<td>Late September</td>
<td>Late October or November</td>
<td>February 5</td>
</tr>
<tr>
<td>Late January</td>
<td>Late February or March</td>
<td>June 5</td>
</tr>
<tr>
<td>Late May</td>
<td>Late June or July</td>
<td>October 5</td>
</tr>
</tbody>
</table>

A registration email with exact workshop dates typically goes out two-three months before the first workshop of a series. Email Rebecca Helton to get on the distribution list.

**Materials for Pacing a K or R01 Award**

- Checklist for Letters of Institutional Support
- Checklist for Mentor Letters

https://my.vanderbilt.edu/edgeforscholars/grant-pacing-workshops/
Edge for Scholars: 
Internal Grant Review

- K or R01 applications
- Senior Faculty hold NIH-style study section

https://my.vanderbilt.edu/edgeforscholars/edge-reviews/
Edge for Scholars: Internal Grant Review Advantages

• Held ~5-6 weeks before NIH submission deadline to allow time for revisions before submission to NIH

• Applicants receive written feedback on submitted grants

• Applicants receive a video recording of their grant review
  • This is a good thing!
Funding Opportunities
VICTR Vouchers (Pilot) Funds

- Clinical & translational research only
- Up to $2,000
- SHORT application
- Decision within a few days of request
- May be used to request a grant writing studio

https://starbrite.vanderbilt.edu/funding/reviewprocess.html
Office of Research: Limited Submission Funding Opportunities

Some awards have restricted eligibility (seniority, topic, doctoral degree type, etc...)

https://medschool.vanderbilt.edu/oor/limited-submission-funding-opportunity-announcements
Office of Research: Internal Funding

Most fund pilot projects

https://medschool.vanderbilt.edu/oor/internal-funding-vumc
How to find external, non-NIH funding opportunities

http://www.vanderbilt.edu/osp/pages/view/page/communityofscience
Any Questions?

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3-1623