College of Veterinary Medicine Hatch Capacity Grants Fund

Availability:

Hatch Capacity Grant Funding is available for up to three projects ranging from $25,000-$50,000 annually to be funded over two years beginning October 1, 2018. Please see budget structure below:

<table>
<thead>
<tr>
<th>Year 1 (10/1/2018-9/30/2019)</th>
<th>Year 2 (10/1/2019-9/30/2020)</th>
<th>Total Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>$25,000-$50,000 annually per project may be requested (approximately $100,000 total funds available for all projects in 2018-2019)</td>
<td>$25,000-$50,000 annually per project may be requested (approximately $100,000 total funds available for all projects in 2019-2020)</td>
<td>Approximately $100,000 is available in Year 1 and approximately $100,000 is available in Year 2 (total amount available for 2018-2020 is $200,000)</td>
</tr>
</tbody>
</table>

Full Proposal Due: April 16, 2018

Background:

When developing your Hatch funded project, please be mindful of the intentions of this funding as outlined in the Hatch Act:

Hatch Act
Act of March 2, 1887, Ch.314, 24 Stat. 440 7 U.S.C. 361a et seq.
As amended August 11, 1955, ch. 790, 68 Stat. 671
Excerpt from Section 2
"… It shall be the object and duty of the State agricultural experiment stations through the expenditure of the appropriations hereinafter authorized to conduct original and other researches, investigations, and experiments bearing directly on and contributing to the establishment and maintenance of a permanent and effective agricultural industry of the United States, including researches basic to the problems of agriculture in its broadest aspects, and such investigations as have for their purpose the development and improvement of the rural home and rural life and the maximum contribution by agriculture to the welfare of the consumer, as may be deemed advisable, having due regard to the varying conditions and needs of the respective States."

The USDA must approve all new projects before funding can begin.

Eligibility

The PI must be a faculty member in the College of Veterinary Medicine. However, faculty members in other colleges, graduate students, post-docs, or any other qualified researcher are permitted to serve as a Co-PI or collaborator.
Please note that faculty in all Signature Programs are eligible to apply for funds. Hatch funds are a bit more broadly applicable than our Animal Health Capacity Grant funds. Researchers who are studying companion animals, human disease or animal models to understand human disease must link their projects to benefits to rural communities.

Please contact the CVM Research Office if you would like assistance with searching the USDA REEport system to see abstracts of other Hatch approved projects.

**Review Criteria**

**Significance.** Does this study address an important problem that is relevant to the funding program? Does the project advance the priorities of the College of Veterinary Medicine Signature Programs?

**Approach.** Are the conceptual or clinical framework, design, methods, and analyses adequately developed, well reasoned, and appropriate to the aims of the project? Does the project have a reasonable chance to succeed?

**Innovation.** Is the project original and innovative? For example: Does it challenge existing paradigms or clinical practice or address an innovative hypothesis or critical barrier to progress in the field? Does the project develop or use novel concepts, approaches methods, tools, or technologies?

**Potential for External Funding.** Does the project have the potential for external funding? Is the plan for seeking extramural funds clearly described?
New Proposals

Title Page - Complete attached cover page and obtain required signatures.

Project Summary – 200 to 300 words, including summary of objective(s) and approach(s) on a separate page.

Body of Proposal – maximum of five pages, single-spaced

1. Significance of research
2. Review of literature
   Summarize the literature which represents the state of knowledge relevant to the proposed project and which provides critical background information related to the problem elucidated in the previous section, as well as for key research methods and/or techniques. Focus on the most important and more recent literature; if recent literature is lacking in this area, justify why it remains a compelling area for inquiry (e.g., significant new topics lacking information rather than those lacking scientific importance). Provide references for all citations in the Literature Review section. Double check that all citations have references, and vice versa, before submission.
3. Objectives and hypothesis (Testable Hypothesis)
4. Plan of work -- approach, methodologies and timetable
5. Previous work of investigator(s) related to this proposal
6. Plan and timetable for extramural grant submissions -- list funding agency and time of grant submission.

References

Biographical Sketch (For all key personnel). Must include current and pending support to allow assessment of any scientific or budgetary overlap between projects

Documentation and description of successful leveraging previous CVM formula or signature program program funds. Please work with the CVM research office staff to complete spreadsheet tracking outputs generated and funding received as a result of previously received formula fund/capacity grants and/or signature program research.

Single Column Budget – Provide a budget justification on a separate page.

Please contact the CVM research office with questions as to allowability of expenses. These funds may be used to support travel required to conduct research but no conference travel. Equipment may be requested and funded in proportion to the extent it directly benefits a project. Non-faculty salary expenses are allowed (excluding tuition benefits). Summer salary for nine month appointments unless justified is not allowed. All personnel effort required to complete the project (paid and unpaid) must be detailed be in the budget/justification.

Year 1 funds will begin on October 1, 2018 and must be expended by September 30, 2019

Year 2 budgets will begin October 1, 2019 and will end on September 30, 2020.

No expenditures may be incurred before the starting date or after the termination date of the budget period. Unused funds from one budget period may not be carried forward to the next budget period.

Capacity Grant funded projects are subject to the following award terms and conditions: https://nifa.usda.gov/resource/capacity-award-terms-and-conditions-dec-2017

Submission Process

Please send your proposal as a single pdf via email using Hatch Capacity Grant Funds in the subject line to vetres@umn.edu and submit a signed paper copy to the Research Office (440 VMC) by April 16, 2018.
Title of Proposal: ______________________________________________________________

Principal Investigator____________________________ Dept/Affiliation______________________

Co-Investigator_______________________________ Dept/Affiliation________________________

Co-Investigator_______________________________ Dept/Affiliation________________________

Name/Signature

Name/Signature

Principal Investigator Affiliated Department Head (Signature)______________________________

Co-I Department Head (Signature)_____________________________________________________

Co-I Department Head (Signature)_____________________________________________________

Total funds requested: ___________ Year 1 ___________ Year 2

PROJECT SUMMARY
To ensure research compliance is satisfied, the following questions must be answered. For detailed information on any question, please visit the following link:

By signing the cover pages of this proposal, all investigators and department heads are indicating that the information listed below is correct.

Does this project involve any of the following?

- Human Subjects
- Animal Subjects
- Purchase/Use of Custom Antibodies produced in animals housed outside the University
- Human Blood, Body Fluids, or Other Potentially Infectious Materials
- Stem Cell
- Recombinant DNA, Infectious Agents or Biological Toxins
- Radioactive Materials and/or Ionizing or Nonionizing Radiation Producing Equipment
- Chemicals

If yes please answer the following:

a. Human Subjects
   _____ Yes _____ No

If yes, what is the status of the Human Subjects' Application?
   _____ Pending _____ Approved _____ Exempt

   Exempt Category: _________
   Study Code Number: __________ Approval Date: __________

b. An Animal Subjects
   _____ Yes _____ No

   If yes, what is the status of the Animal Subjects' Application?
   _____ Pending _______ Approved

   Study Code/Protocol ID: __________
   Approval Date: __________

c. Purchase/Use of custom antibodies that have been or will be housed outside the university?
   _____ No ________ Yes

d. Human Blood, Body Fluids, or Other Potentially Infectious Materials Help
   _____ No ________ Yes

   If yes, do you have Blood-borne Pathogen training and immunizations?
   _____ No ________ Yes

e. Stem Cell
   Will your research involve:
   Human embryonic stem (hES) cells _____ No _____ Yes
   Human embryos less than 14 days old _____ No _____ Yes
   Human induced pluripotent stem (iPS) cells, or other human stem cell sources, that are intended to make or contribute to an embryo No _____ Yes

   If you answered yes to any of the questions above please obtain approval for your protocol from the human Embryonic Stem Cell and human embryo Research Oversight (ESCRO) committee.

f. Recombinant DNA, Infectious Agents or Biological Toxins
   _____ No ________ Yes

   If yes, what is the status of the Institutional Biosafety Committee Application?
### g. Radioactive Materials and/or Ionizing or Nonionizing Radiation Producing Equipment Help

- **Yes**

  If yes, do you have the appropriate permits and adequate radiation safety information?

- **Yes**

  Department of Environmental Health and Safety (DEHS): (612) 626-6002

### h. Chemicals

- **No**

  If yes, do you have the appropriate chemical safety training and hazardous waste training records?

- **Yes**

### i. Subrecipients and Involvement with Other Outside Entities:

### j.

- **Yes**

  Does this proposal include any outgoing subawards?

- **Yes**

  If yes, please enter names of Subrecipients.

  Does this proposal include any OTHER planned activity with the community or other outside entities (excluding subawards)?

- **Yes**

  If yes, what type of entity/entities will be involved? (Select all that apply)

  - Other higher educational institution(s)
  - Governmental agency
  - K-12 schools or other non-higher education agencies
  - Healthcare organization
  - For-profit business and/or industry
  - Non-profit and/or registered 501(c)3 organization
  - Community group (e.g., neighborhood association, informal citizens group)
  - Other (please specify):

  If yes, please describe the primary role(s) of the involved entity/entities.

### k. Financial and Business Conflict of Interest:

- **Yes**

  Do you, or your co-investigators, or key personnel (i.e., anyone responsible for the design, conduct or reporting on this project), or a family member (yours or theirs) have a significant financial interest, OR business interest in a business entity that could benefit from the results of this project? See? For help with definitions.

- **Yes**

  If yes, please indicate the most recent REPA # where these interests have been identified:

  **REPA #**

  **Approval Date:**

  Additional Comments - NOTE: Comments will display on and print on the PRF. Please do not include information you prefer to keep private:

- **Yes**

  Do you, or your co-investigators, or key personnel have a familial connection OR financial or business interest (of any amount) with any proposed subrecipient or collaborator?

- **Yes**

  If yes, please contact SPA for further direction.
Additional Comments - NOTE: Comments will display on and print on the PRF. Please do not include information you prefer to keep private:

<table>
<thead>
<tr>
<th></th>
<th>Inventions:</th>
</tr>
</thead>
</table>
|m. | Is it likely that anything patentable (i.e. new, useful, or improved) will result from the current research project?  
________ No ________ Yes  
If this a renewal or continuing project, have any inventions been conceived or reduced to practice under prior research on this project?  
______ No ________ Yes  
Does this proposal contain private commercial or trade secret information? If yes, clearly identify the private commercial information in the text of the proposal.  
______ No ________ Yes  
Does the PI or any investigator have any active patent disclosures with the Office of Technology Commercialization relating to the work contemplated in this proposal?  
______ No ________ Yes  

<table>
<thead>
<tr>
<th></th>
<th>Program Income:</th>
</tr>
</thead>
</table>
|n. | Does this project involve University resources, space or staff from more than one department or college?  
______ No ________ Yes  
If yes, LIST DEPARTMENT/COLLEGE BELOW this form must be approved by all department heads and deans involved.  
1.  
2.  
3.  
4.  
5.  
o. | Program Income: |
|---|----------------|
|o. | Is program income anticipated on this project?  
______ No ________ Yes  
If yes, indicate specific type(s) of program income by selecting one or more items from questions a through d below:  
___From fees for services performed?  
___From the use or rental of real or personal property acquired under this project?  
___From the sale of commodities or items fabricated under the award?  
___From license fees and royalties on patents and copyrights that may develop from this project?  |
<table>
<thead>
<tr>
<th><strong>Senior Personnel (faculty)</strong></th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name, Role</strong> – Faculty Salary Not Allowed for 12 month apmts – small amount of summer salary may be justified by 9 month appointments requiring effort for summer research activity related to project</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name/Role on Project and Effort</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name/Role on Project and Effort</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name/Role on Project and Effort</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Salaries - Other Personnel (non-faculty)</strong></th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Research Associates, Postdocs, Undergrad Students, Scientists, Technical, Other Professional)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name/Role on Project and Effort</td>
<td>salary</td>
<td></td>
</tr>
<tr>
<td>Level (% effort/FTE)</td>
<td>fringe</td>
<td></td>
</tr>
<tr>
<td>Name/Role on Project and Effort</td>
<td>salary</td>
<td></td>
</tr>
<tr>
<td>Level (% effort/FTE)</td>
<td>fringe</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Total Personnel Costs</strong></th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Travel</em> – No conference travel – travel expenses required to conduct research only</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Materials and Supplies</strong> (computers purchase not allowed) - please show detailed calculations items/quantity/cost</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Other Expenses</strong> (laboratory/scientific services, animal costs)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Total Costs Requested</strong></th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
</table>
**Budget Justification**
Budget and detailed *itemized expense justification* including detailed calculations for cost estimates.

Unallowable Expenses include: (Faculty salary unless 9 month appointment needing small amount of summer salary to conduct research, travel to scientific meetings, non-University of Minnesota subcontracts, purchase of personal computers).

**Description of all faculty and personnel roles on project and estimated of level of effort committed in support of project must be included**

Personnel: (Justify all paid and unpaid personnel, include percent time on project and description of role)

**Travel:**

**Materials and Supplies:**

**Other Expenses:**