Summer Research Programs for Veterinary Students

• Veterinary Scholars Program Research Internship for first and second year vet students
• CVM Interdisciplinary Biomedical Research Training Program (NIH/T35)
• Morris Animal Foundation Veterinary Student Scholars Program
• Hitchings Award
• AVMA/AVMF summer research fellowship
## Summer Research Programs for Veterinary Students

<table>
<thead>
<tr>
<th>Program</th>
<th>Students Accepted/Number Applications Allowed</th>
<th>1st or 2nd Year/2</th>
<th>Any With VSP Exp/1</th>
<th>DVM/PhD Students/2</th>
<th>1st or 2nd Year/1</th>
<th>2nd Year &amp; DVM/PhD Unlimited</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVMF/AVMF Summer Research Fellowship</td>
<td></td>
<td>N</td>
<td>Y</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Morris Animal Foundation Veterinary Student Scholars Program (MAF)</td>
<td></td>
<td>OK</td>
<td>Y</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Hitchings Award</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mentors

- **M1**: 1 from Mentor List
- **M2**: 2 from Mentor List
- **MSDC**: 2 from Mentor List

### Weekly Seminar Series

- **R** Required
- **SR** Strongly Recommended
- **O** Optional

### Practice Oral Abstracts and Presentations

- **R** Required
- **SR** Strongly Recommended
- **O** Optional

### Attendance at BINVSS

- **R** Required
- **SR** Strongly Recommended
- **O** Optional

### Presentation at CVM Research Forum

- **R** Required
- **SR** Strongly Recommended
- **O** Optional

### Duration/Compensation

- **10 Wks (May-July)**
- **10 Wks (May-July)**
- **12 Wks (May-July)**
- **12 Wks (May-July)**
- **12 Wks (May-July)**
- **O** Optional

- **$5,000 (May-July)**
- **$5,000 (May-July)**
- **$5,750 (May-July)**
- **$5,000 (May-July)**
- **$5,000 (May-July)**

### Funding

- NCSU-CVM/CM, RESNOIN FFD, ENDOWMENTS
- AVMA/AVMF, NIH T35 Grant, MAF, BWF, Hitchings

### Use of Funding

**MENTOR LIST** - go.ncsu.edu/cvm_research_mentors

**R** Required, **SR** Strongly Recommended, **O** Optional
CVM Summer Research Program

• Sponsors
  – Boehringer-Ingelheim
  – College of Veterinary Medicine
  – Veterinary Medical Foundation
    • Fund for Discovery
    • Herbert Benjamin Professorship Endowment
    • Fluorescence Professorship Endowment
      – Deborah and Paul Resnick
  – NIH, CMI, MANY faculty members
Goals

• Provide research experience to DVM students
VSP Program Summary

• MENTORED RESEARCH EXPERIENCE
  – May 10th-July 30th 2021

• Seminar Series

• Field trips-NIEHS or EPA or Charles River or WFU

• Project presentations

• Boehringer-Ingelheim/NIH National Veterinary Scholars Symposium-Iowa State in 2021

• Website: https://cvm.ncsu.edu/research/student-research-opportunities/
Impact on Post-DVM Training

• Some (20%) go on to formal training- PhD, Research Fellowships, MPH, etc
• 60-75% of seniors that participated in our program in the last several years were selected for internships, about 25% enter residencies
Stipend and Hours

• Internship stipend ($5,170)
  – Provides salary support over a 10 week period during the summer
  – Your mentor is expected to fund the actual research project (supplies etc)

• Hours-this is not a 9-5 Mon-Fri job. Hours vary depending on the schedule of the research. You will average 40 hrs a week of required work.
Seminar Series

- Experimental design, ethics, animal use issues, data analysis, critical reading, generating money for research
- Abstract preparation and project presentations
- Wednesdays 8-9
- Meetings with young investigators, faculty, etc also scheduled.
Field Trips

EPA

NIEHS
CVM Research Forum

- CVM research
  - Oral presentations
  - Poster sessions
  - Phi Zeta Speaker
Boehringer Ingelheim-NIH National Veterinary Scholars Symposium

NC STATE UNIVERSITY
COLLEGE OF VETERINARY MEDICINE
MERCK-MERAL • NIH-NCRR
NATIONAL VETERINARY SCHOLARS SYMPOSIUM

Translational Research:
Putting Discoveries to Work in Practice
VSP Program Eligibility

• First or second year DVM students
  – Second year students have priority especially if they applied in YR1 and did not get accepted
• No prior graduate (biomedical research) degree preferred
• Significant research experience may lower priority
• Not limited to NC State students
  – NC State students eligible for programs at other schools
How to find a mentor and a project

• See the VSP WEBSITE for the list of Mentors and PROJECT DESCRIPTIONS
• Meet with prospective mentors to discuss potential projects between now and January 18, 2021
• Decide on one or two and work with them to prepare your application
Interdisciplinary Biomedical Research Training Program (T35)

- Summer Research Experience
- Prior research experience desired - opportunity for a 2\textsuperscript{nd} summer of research
- 12 week Mentored research experience
  - 2 mentors in different disciplines
  - Primary mentor must be an approved trainer in the IBRTP (website)
- Funded by NIH/ORIP via a T35 mechanism
• Requirements
  – 12 weeks mentored research
  – Attend NVSS
  – Seminar series if you have not already attended
  – Presentation at CVM research forum
• Eligibility-any first or second year vet student-NC State or other schools
• Start date May 10th, 2021
• Stipend: $5,750
Application-VSP and T35

• Form is available on the Website

• Application:
  – Submit one application using online form
  – Indicate which program(s) you are applying to
  – Select one or two potential primary mentors/projects—each proposed primary mentor must sign the form
  – Co-mentor is optional for VSP but is required for the T35
  – **Deadline for Applications: February 1, 2021**
  – Submit to the program office by email: cvmgradprogram@ncsu.edu
Boehringer-Ingelheim Veterinary Research Award

Veterinary students who:

- Participated in the summer scholar program in the prior year
- Attended the Boehringer Ingelheim-NIH National Veterinary Scholars Symposium
- Presented their work in the form of a poster
- $1,500 honorarium, a plaque, a travel stipend to return to the summer symposium to present their project and receive the award
Morris Animal Foundation Veterinary Student Scholars Program

- Mentored research experience for veterinary students—may have already participated in a summer research program
- Typically a summer research project
- Stipend provided ($5,000)
- Limited to 1 application per school
- Applications must be submitted to Jeneal Leone by our internal deadline for selection, generally the end of January
- Check the MAF website for details
- Details: http://www.morrisanimalfoundation.org/for-grant-seekers/veterinary-student-scholars.html
Hitchings Award

• Funding for DVM student research
  – Must be mentored
  – Favors proposals that are student ideas
  – Stipend and/or Project support
  – Funded by BWF and administered through the Triangle Community Foundation--$5,000 limit
  – Second year of doctoral study to be eligible
  – Open to DVM/PhD students--$10,000 limit
  – Applications are due February-March
AVMA/AVMF 2nd Summer Research Scholarship

• Eligibility: Vet students who have already participated in a summer research program during vet school
• $5000 stipend plus $1000 travel to NVSS
• Applications limited to 1 per school
• Applications must be submitted to Jeneal Leone 2 weeks prior to AVMF deadline for selection
• https://www.avmf.org/programs/2nd-opportunity-research-scholarship/
Questions?