CVM Summer Research Program

• Sponsors
  • Boehringer-Ingelheim Animal Health
  • College of Veterinary Medicine
  • Fund for Discovery/Herbert Benjamin and Fluoroscience Endowments
    • Deborah and Paul Resnick
  • Comparative Medicine Institute
  • Triangle Community Foundation/BWF
  • Morris Animal Foundation
  • NIH/ORIP T35 grant
Goals

- Provide research experience to DVM students
Expectations

• MENTORED RESEARCH EXPERIENCE
  • Take full advantage of the research experience—This is not a summer job
• Seminar Series
• Field trip
• Abstracts and Project presentations
• National Veterinary Scholars Symposium
Getting Started

• Meet with your mentor
  • Expectations for the summer should be clear
  • Background reading

• Lab Safety

• Compliance Training: https://research.ncsu.edu/sparcs/compliance/
  • Research Integrity
  • Animal Use- Overseen by IACUC
  • Human Subjects-Overseen by IRB
Lab Safety

• Meet with your mentor and/or Lab Manager
• Safety Plan
• Safety Training
  • General safety training
  • Bloodborne pathogens
  • Biosafety
  • https://ehs.ncsu.edu/
Responsible Conduct of Research

• Data Acquisition, Management, Sharing, and Ownership
• Conflict of Interest and Commitment
• Human Subjects
• Animal Welfare
• Research Misconduct
• Publication Practices and Responsible Authorship
• Mentor / Trainee Responsibilities
• Peer Review
• Collaborative Science
• Scholarly Integrity
Responsible Conduct of Research Training

• Animal and Human Subjects Research
• The Lab Tutorial: Avoiding Research Misconduct
• RCR 101: *Foundations of Responsible Conduct of Research*
  • Tracy Harden- rcr-administrator@ncsu.edu
Animal Use and Human Subjects

• Responsible Animal Care and Use
  • Administered by IACUC
  • https://www3.acs.ncsu.edu/tutorial/basic.php

• Human subjects in research:
  • Administered by IRB
  • Collaborative Institutional Training Initiative (CITI) online training:
    • https://research.ncsu.edu/sparcs/compliance/irb/irb-training/
The Lab Tutorial

• HHS Office of Research Integrity: https://ori.hhs.gov/thelab
• Download the guide: https://ori.hhs.gov/TheLab/TheLabGuide.pdf
• Launch the interactive module
• Case summaries: https://ori.hhs.gov/case_summary
• Administration actions: https://ori.hhs.gov/ORI_PHS_alert.html?d=update
VSP Seminar Series

• Experimental design, ethics, animal use issues, data analysis, critical reading, generating money for research
• Wednesdays 8-9
Field Trips

Charles River Laboratories

NIEHS

EPA
CVM Research Forum

• CVM research
  • Oral presentations
  • Poster sessions
  • Phi Zeta Speaker
2019 BI-NIH National Veterinary Scholars Symposium

• Hosted by Tufts July 25th -28th
• All NC State VSP students are invited to attend (T35/IBRTP students required to attend)
• All student attendees submit an abstract and present a poster
• Travel and registration expenses will be paid-We will assist with arrangements

• Dr. Jones/Katie Sapko need to know with certainty whether you are attending by MAY 18th-by email please
Seminars and Events

- Theme: Veterinary Scientists in Global Health Research
- Invited distinguished veterinary and basic science researchers
- Keynote talks, research focus talks
- Training Program Directors
- Breakout sessions
- Banquet and entertainment
Poster Sessions
Activities
Networking: You will be our ambassadors!
Questions?