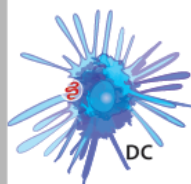
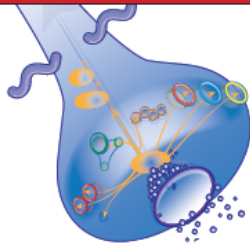
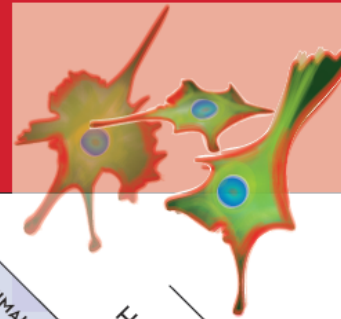


# Summer Research Programs for Veterinary Students

- 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



VETERINARY SCHOLARS PROGRAM (VSP)

AVMA/AVMF SUMMER RESEARCH FELLOWSHIP

INTERDISCIPLINARY SUMMER RESEARCH PROGRAM (NIH-T35)

MORRIS ANIMAL FOUNDATION VETERINARY STUDENT SCHOLARS PROGRAM (MAF)

HITCHINGS AWARD

	VETERINARY SCHOLARS PROGRAM (VSP)	AVMA/AVMF SUMMER RESEARCH FELLOWSHIP	INTERDISCIPLINARY SUMMER RESEARCH PROGRAM (NIH-T35)	MORRIS ANIMAL FOUNDATION VETERINARY STUDENT SCHOLARS PROGRAM (MAF)	HITCHINGS AWARD
STUDENTS ACCEPTED/ NUMBER APPLICATIONS ALLOWED	1ST OR 2ND YEAR/ 2	ANY WITH VSP EXP./1	DVM/PHD STUDENTS/2	1ST OR 2ND YEAR/1	2ND YEAR & DVM/PHD UNLIMITED
RESEARCH EXPERIENCE	N	Y	<u>Y</u> IN DVM/PHD PROGRAM	NA	NA
DVM/PHD STUDENTS	OK	OK	<u>R</u>	<u>N</u>	Y
APPLICATION DUE/ NOTIFICATION OF ACCEPTANCE/ REVIEW PROCESS	EARLY FEBRUARY EARLY MARCH INTERNAL MATCHING PROCESS	JANUARY LATE FEBRUARY INTERNAL REVIEW PROCESS/SELECTION	EARLY FEBRUARY EARLY MARCH INTERNAL MATCHING PROCESS	EARLY MARCH MARCH-APRIL INTERNAL REVIEW PROCESS/SELECTION	EARLY MARCH MARCH - APRIL EXTENDED-TRIANGLE COMMUNITY FOUNDATION
MENTORS	1 FROM <u>MENTOR LIST</u>	SUBMITTED WITH A FACULTY MEMBER	2 FROM <u>MENTOR LIST</u>	SUBMITTED WITH A FACULTY MEMBER	SUBMITTED WITH A FACULTY MEMBER
WEEKLY SEMINAR SERIES	<u>R</u>	<u>SR</u>	<u>R</u>	<u>SR</u>	<u>O</u>
PRACTICE ORAL ABSTRACTS AND PRESENTATIONS	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>O</u>
ATTENDANCE AT BINVSS	<u>O</u>	<u>R</u>	<u>R</u>	<u>O</u>	<u>O</u>
PRESENTATION AT CVM RESEARCH FORUM	<u>R</u>	<u>SR</u>	<u>R</u>	<u>SR</u>	<u>SR</u>
DURATION/COMPENSATION	10 WKS (MAY-JULY) \$5,000 LUMP SUM IN JUNE	10 WKS (MAY-JULY) \$5,000	12 WKS (MAY-JULY) \$5,750 LUMP SUM IN JUNE	10 WKS (MAY-JULY) \$5,000	12+ WKS (MAY-JULY) \$5,000
FUNDING	NCSU-CVM/CMI, RESNICK FFD, ENDOWMENTS	AVMA/AVMF	NIH-T35 GRANT	MAF	BWF, HITCHINGS
USE OF FUNDING					

[MENTOR LIST - go.ncsu.edu/cvm\\_research\\_mentors](http://go.ncsu.edu/cvm_research_mentors)

R = REQUIRED:    SR = STRONGLY RECOMMENDED    O = OPTIONAL



# CVM Summer Research Program

**NC STATE**  
UNIVERSITY

College of  
Veterinary Medicine

- Sponsors

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



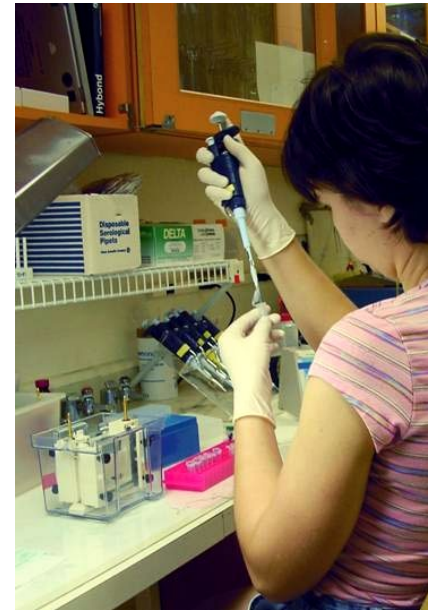
Boehringer  
Ingelheim

**NC STATE UNIVERSITY**

**Comparative Medicine Institute**

# Goals

- Provide research experience to DVM students



# VSP Program Summary

- **MENTORED RESEARCH EXPERIENCE**
  - **May 8th-July 30<sup>th</sup> 2023**
- Seminar Series
- Field trips-NIEHS or EPA or Charles River or WFU
- Project presentations
- Boehringer-Ingelheim/NIH National Veterinary Scholars Symposium- San Juan PR Aug 3-6<sup>th</sup> 2022
- Website: <https://cvm.ncsu.edu/research/student-research-opportunities/>

# Impact on Post-DVM Training

- Some (20%) go on to formal training-  
PhD, DVM/PhD (7), 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 (\$5,250)
  - 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

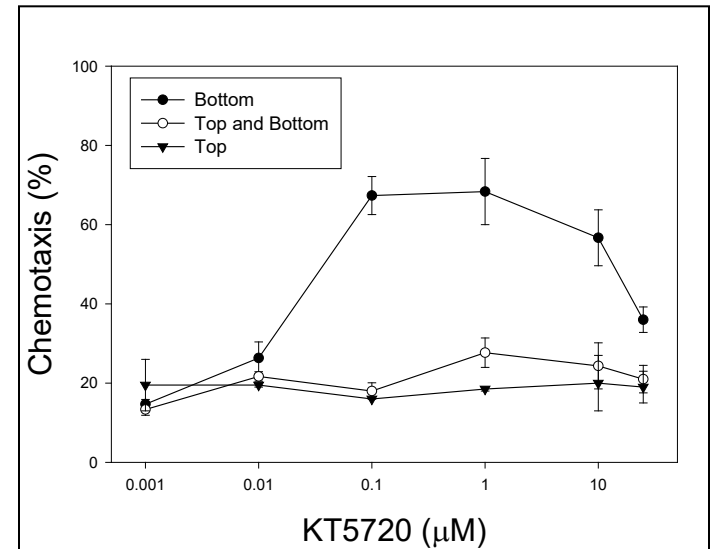


NIEHS



# CVM Research Forum

- CVM research
  - Oral presentations
  - Poster sessions
  - Phi Zeta Speaker

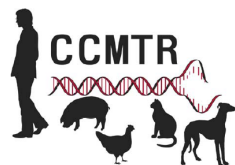


# Boehringer Ingelheim-NIH National Veterinary Scholars Symposium Aug 3-6th

NC STATE UNIVERSITY

COLLEGE OF VETERINARY MEDICINE

MERCK-MERIAL • NIH-NCRR  
NATIONAL VETERINARY SCHOLARS SYMPOSIUM



Translational Research:  
Putting Discoveries to Work in Practice

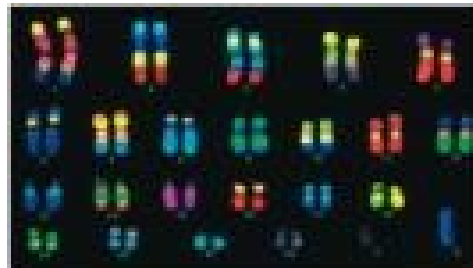


# VSP Program Eligibility

- 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
  - <http://veterinaryscholars.boehringer-ingenelheim.com/>

# 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 21, 2023**
- **Decide on one or two and work with them to prepare your application- Due Feb 1<sup>st</sup> 2023**



# Interdisciplinary Biomedical Research Training Program (T35)

- Summer Research Experience
- Prior research experience desired-opportunity for a 2<sup>nd</sup> summer of research
- **12 week** Mentored research experience
  - 2 mentors in different disciplines
  - Primary mentor must be an approved trainer in the IB RTP (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 8<sup>th</sup>, 2023
- Stipend: \$6,475

# 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, 2023**
  - **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 **CVM Grants Office (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 typically March 1<sup>st</sup>.
  - <http://trianglecf.org/award/george-h-hitchings-new-investigator-award-in-health-research/>

# AVMA/AVMF 2<sup>nd</sup> 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 the CVM Grants Office (Jeneal Leone) 2 weeks prior to AVMF deadline.
- <https://www.avmf.org/programs/2nd-opportunity-research-scholarship/>

# Initiating Research Opportunities Workshop

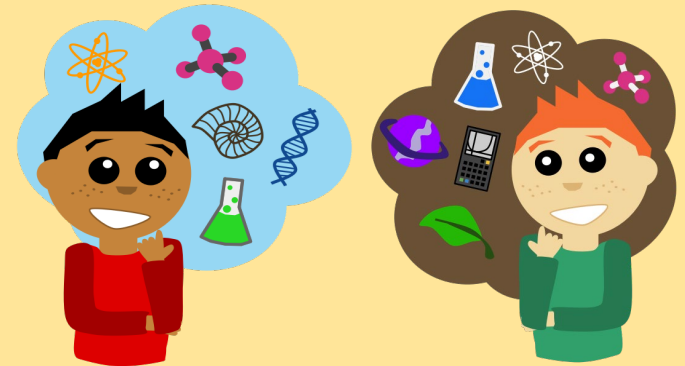
Join the **Veterinary Research Club** on **Tuesday, Nov 11th at 12pm** out **under the tent** for a chance to seek mentorship, collaboration and community surrounding the scientific opportunities we have here on campus! **Your peers along with select staff/faculty will be offering support surrounding the following:**

1. **Scientific Communication (emails, linkedIn, etc)**
2. **CV/Resume refinement**
3. **VSP/T35/Global Health Certificate Applications**
4. **Finding research/laboratories that fit your interests**
5. **Anything else related to science and research that you need support with!**



**Come and go as you please - no RVSP necessary.**

**We will be providing light refreshments for attendees. See you there!**



# Questions?

