



INTERNSHIPS

Flint Animal Cancer Center, Colorado State University | Fort Collins, FL | July 2022 - Present

- Clinical Oncology Specialty Intern
 - Collaborative department including medical, surgical, and radiation oncology
- Elliott and Louie Long Paw Scholar

BluePearl Specialty and Emergency Pet Hospital | Tampa, FL | June 2021 – June 2022

- Small Animal Medicine and Surgery Rotating Intern
- Core rotations: Internal Medicine, Emergency (daytime & overnight), Critical Care, Surgery, Neurology
 - Primary case responsibility during Emergency rotations
- Elective rotations: Oncology, Cardiology, Radiology
- Rounds presentations: Morbidity and Mortality Rounds (September 2021), Grand Rounds - Paraneoplastic Syndromes (February 2022)

EDUCATION

University of Florida | Gainesville, FL | Class of 2021

- Doctor of Veterinary Medicine, Cum Laude
- Veterinary Business Management Certificate
 - Courses and clerkships focused on business and personal finances, practice ownership, and business and employee management.

University of Miami | Coral Gables, FL | Class of 2017

- Bachelor of Science in Biology, Chemistry minor
- Graduated Cum Laude

CLINICAL EXPERIENCES

Extern | Veterinary Emergency Group | Tampa, FL | August 2020

- Performed physical exams and discussed findings, differentials, and treatment options with doctors.
- Performed 2 kitten ovariohysterectomies and 2 kitten orchiectomies.
- Assisted with exploratory laparotomies and foreign body retrievals.
- Observed and assisted in common emergency procedures (wound debridement and urinary catheter placement), euthanasias, and client communications.

Extern | VCA Gulf Bay Animal Hospital | Clearwater, FL | June 2020 and

Highland Animal Hospital | Dunedin, FL | July 2020

- Performed physical exams, blood draws, and cytologies and discussed findings, differentials, and treatment options with doctors.
- Observed dental procedures and client communications.

Clinical Training | University of Florida College of Veterinary Medicine

- Medical Oncology Clerkship
 - Enhanced knowledge of tumor biology, staging, grading and treatment goals as well as clinical application of chemotherapy, radiation and immunotherapy.
 - Performed fine needle aspirates, punch biopsies and venipuncture.
 - Analyzed cytology slides and histopathology lab reports.
- Emergency and Critical Care Clerkships - *UF College of Veterinary Medicine (2 weeks, Gainesville, FL) and UF Pet Emergency Treatment Services (2 weeks, Ocala, FL)*
 - Learned how to triage, stabilize, and managing patient care in an emergency setting.
 - Observed cases include: heat stroke, NSAID toxicity, urinary tract obstruction, respiratory distress

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- Performed physical exams, FAST scans of the abdomen and thorax, urinary catheter placement, fine needle aspirates with cytological evaluation, and urine sediment evaluations.
- Assisted in wound debridement, cesarean section and cystotomy procedures.
- Veterinary Community Outreach Program Clerkship
 - Performed 1 large dog ovariohysterectomy, 2 puppy ovariohysterectomies, 2 cat ovariohysterectomies, and 3 puppy orchiectomies.
 - Frequented five local animal shelters to perform physical exams and administer preventative vaccines and medications to shelter dogs and cats.
- Veterinary Practice Management Clerkship
 - Evaluated the financials and business behaviors of two private veterinary practices.
 - Presented findings and made recommendations for improvements and growth to the practice owners and management staff.
- Clinical Small Animal Dentistry online course through University of Illinois College of Veterinary Medicine
 - Acquired knowledge pertaining to normal canine and feline dental anatomy, common dental pathologic conditions and treatment options, and dental radiography techniques.

RESEARCH EXPERIENCE

Clinician's Brief Article Contributor | October 2020 – March 2021

- Article title: *Tumor Grading and Staging in Dogs*.
 - Concise review article of oncologic tumor grading and staging.
- Submitted March 2021, published March 2022
- Mentor: Stacey Fox-Alvarez, MPH, DVM, DACVIM (Oncology)

Florida Veterinary Scholar | University of Florida College of Veterinary Medicine | Gainesville, FL | May - August 2018

- Selected through application to the Florida Veterinary Scholars Program, a mentored research program.
- Manuscript title: *Verification of feeding tube placement based on the tracheal superimposition on thoracic radiographs in dogs and cats*.
- Retrospectively sorted through 1,200+ medical records and corresponding thoracic radiographs to evaluate feeding tube placement and superimposition of the tubes on various thoracic structures. Statistically analyzed the findings to assess the correlation between feeding tube superimposition and misplacement.
- Mentor: Robson Giglio, DVM, DACVR

Research Assistant | School of Health Studies, University of Memphis | Memphis, TN | May - August 2016

- Utilized pig model to study the effects of methotrexate on renal function.
- Inserted jugular catheters in pig models. Administered medications and monitored vitals. Maintained nasogastric feeding tubes. Assisted in dosing pigs with methotrexate. Prepared surgery rooms and surgery packs.
- Mentors: Randal Buddington, MS, PhD and Karyl Buddington, DVM, DACLAM

Research Assistant | Department of Neurology, University of Miami Miller School of Medicine | June 2015 - February 2016

- Utilized rat model to observe effects of cardiac arrest on cerebral blood flow.
- Assisted with rat model surgeries, budget preparation and data collection / analysis. Developed algorithm for analyzing rats in behavioral T-maze trials. Contributed to published manuscripts (listed below).
- Mentor: Hung Wen (Kevin) Lin, PhD

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POSTER PRESENTATIONS

- **Lerner FM.** Verification of feeding tube placement based on the tracheal superimposition on thoracic radiographs in dogs and cats. Presented at:
 - Florida Veterinary Scholars Program (UFCVM, August 2018)
 - Boehringer Ingelheim Veterinary Scholars Program National Symposium (Texas A&M University College of Veterinary Medicine, August 2018)
 - Phi Zeta Research Day (UFCVM, April 2019)

PUBLICATIONS

- **Lerner FM,** Fox-Alvarez, SA. Tumor grading and staging in dogs. Clinician's Brief. March 2022.
- **Lerner FM,** Inamassu LR, Giglio RF. Verification of feeding tube placement based on the tracheal superimposition on thoracic radiographs in dogs and cats. (*In progress*).
- Lee RH, Couto E Silva A, Possoit HE, **Lerner FM,** Chen PY, Azizbayeva R, Citadin CT, Wu CY, Neumann JT, Lin HW. Palmitic acid methyl ester is a novel neuroprotective agent against cardiac arrest. Prostaglandins Leukot Essent Fatty Acids. 2019 Aug;147:6-14.
- Wu CYC, **Lerner FM,** Couto E Silva A, Possoit HE, Hsieh TH, Neumann JT, Minagar A, Lin HW, Lee RHC. Utilizing the modified T-maze to assess functional memory outcomes after cardiac arrest. J Vis Exp. 2018 Jan 5;(131).
- Lee RH, Couto E Silva A, **Lerner FM,** Wilkins CS, Valido SE, Klein DD, Wu CY, Neumann JT, Della-Morte D, Koslow SH, Minagar A, Lin HW. Interruption of perivascular sympathetic nerves of cerebral arteries offers neuroprotection against ischemia. Am J Physiol Heart Circ Physiol. 2017 Jan 1;312(1):H182-H188.
- Lee RHC, Goyanes Vasquez JJ, Couto e Silva A, Klein DD, Valido SE, Chen JA, **Lerner FM,** Neumann JT, Wu CY, Lin HW. Fatty acid methyl esters as a potential therapy against cerebral ischemia. Oilseeds & fats Crops and Lipids. 2016 Jan 1;23(1):D108.

TEACHING and LEADERSHIP

Teaching Assistant | Patient Care and Clinical Skills Course | August 2020 – May 2021

- Teach and mentor first-year students in basic clinical skills including: small and large animal physical exams and restraint, venipuncture, medication administration, catheter placement, bandaging, record writing, and client communication.

Vice President | Veterinary Business Management Association | January 2018 – May 2021

- Facilitated UFCVM student involvement in PSIVet Vet Student Leadership Summit (Fall 2020).
- Organized University of Florida College of Veterinary Medicine Career Day (Fall 2018).
 - Communicated with sponsors, facilitated resume reviews and mock interviews for students with employers, and organized a career fair with 60+ employers.
- Assisted with organizing monthly VBMA meetings.

Fundraising Chair | Wildlife, Zoological and Avian Animal Medicine Club | May 2018 - May 2019

- Collected merchandise orders and executed the ordering, distribution, and payment collection of items.
- Worked closely with the treasurer to create the yearly budget.

Facilitator | First Year Leadership Experience | August 2018

- Facilitated team-building exercises and led discussions for incoming first year veterinary students throughout two-day orientation program.

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VETERINARY EXPERIENCE

Pre-Veterinary Wildlife Intern | Cintsa, Eastern Cape, South Africa | May - June 2015

- Worked alongside certified veterinarians and wildlife specialists. Assisted with capture, veterinary care, and transportation of game animals. Worked with indigenous population to administer preventatives, vaccinations, antibiotics, and deworming treatments to dogs and horses.

Veterinary Technician Assistant | Animal Health Care Clinic | Clearwater, FL | May - August 2014

- Performed pre-surgery blood work. Assisted technicians with anesthesia and recovery. Prepared surgery rooms and assembled surgical instrument packs.

SCHOLARSHIPS

Blue Buffalo Foundation Joyce Novotny Memorial Scholarship

- Nominated by faculty and awarded May 2018 - \$5,000 annually through 2021

ADDITIONAL

- **Computer:** proficient in StringSoft, Cornerstone, Instinct, and Microsoft Office
- **Additional certifications:** USDA Initial Accreditation Training