### **Research Experience and Publications**

# Grand Cayman Government Departments of Agriculture and Environmental Health

#### **Research Assistant**

- Salmonella Study of wild, newly imported, and farmed chickens of Grand Cayman Island
- Assisted research by working with veterinarians at the Grand Cayman Department of Agriculture and Department of Environmental Health
- Performed laboratory techniques: necropsies, euthanasia, sterile laboratory techniques, bacterial isolation and culturing, interpretation of results, data analysis

### Departments of Psychology and Pharmacology, UVM

#### Student Research Assistant

- Fuchs, J. R., Robinson, G. M., Dean, A. M., Schoenberg, H. E., Williams, M. R., Morielli, A D., & Green, J.T. "Cerebellar Secretion Modulates Eyeblink Classical Conditioning." Learning & Memory 12.12 (2014).
- Examined the role of secretin, neuropeptide, and Kv1.2 protein, an alpha sub-potassium channel family, in cerebellum dependent learning of rats
- Proficient laboratory techniques: Rodent neurological and histological surgery placement of implants, pharmaceutical administration (neurologic infusions, subcutaneous, intraperitoneal, intramuscular) collect and analyze data, gather and prepare samples or fixed tissue for embedding and histological sectioning, cryostat, use of dissecting microscope, florescent microscopy (3-Dimentional Laser Imaging Microscope), various staining techniques, necropsy, restraint of laboratory animals
- Animal Care Team Research and Courses for policy and procedure training: Stereotaxic surgery, controlled substances, anesthesia, postoperative care, euthanasia, postmortem tissue analysis, BioSafety levels, biohazard disposal, Institutional Animal Care and Use Committee (IACUC) protocols including approved forms of euthanasia, Laboratory Animal Medicine course

## Experience

## **Antech Diagnostics Laboratory**

Histology Technician

- Microtomy: Effectively sectioned paraffin embedded tissue (soft, ocular, and bone tissues)
- Worked aside veterinarians to examine clinical pathology samples relating to hematology and oncology
- Collaborated with fellow technicians to aid in diagnosis of samples for The United States and Canada

## Broadway Veterinary Care, Dr. Glenda B. Wexler, DVM

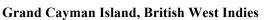
Veterinarian's Assistant

- · Obtained, evaluated in-house or submitted laboratory specimen and cultures
- Personnel management through training, supervision, and education
- · Performed ELISA SNAP assays performed for various virus and antibodies
- Aided doctor in daily: surgery, laboratory work, appointments, restraint of animals for various procedures and examinations, evaluating radiographs, phlebotomy, care of hospitalized animal

### **Cayman Island Department of Agriculture**

#### Extern

- · Assisted government veterinarians with animal field cases and laboratory work
- Field casework skills: performed necropsies with supervision, wrote official government necropsy reports and updated laboratory notebooks; collection and preservation of pathological samples; examined laboratory cultures by sterile technique; phlebotomy, injections, medication administration; perform abattoir inspections with veterinarian and health evaluation of animals
- Processed and evaluated emergency animal(s) import and export official documentation
- Assisted with establishment of animal guarantine facility after natural disasters



2011-2014

2017-2018

Lake Success, NY

Hewlett. NY

2017-2018

August 2018- January 2019

2005-2012; 2018 (May-August)

Grand Cayman Island, British West Indies

	ian Island, British west Indies
Laboratory Technician for Anatomy I and II Courses	2017-2018
• Prepared, embalmed, and preserved specimen for anatomical structures cus	stomized specifically for courses
<ul> <li>Maintained laboratory and chemical records</li> </ul>	
Gulfstream State Park	Hallandale, FL
Extern and Hot-walker	Seasonally 2016- 2018
• Under supervision of veterinarians and trainers- analyzed, monitored, and of Sprogression of healing: carpal joint injuries, bone degenerative diseases, for thoracic limb), nerve damage, wound management, epiglottis endoscopy in analysis, drug therapy, laser therapy, nasogastric scoping for diagnostics are radiograph analysis, assisted and shadowed farrier	fractures (facial sinus and maging, nutrition and diet nd treatment progress,
<ul> <li>Developed working knowledge base regarding the rules and regulations that</li> </ul>	at govern horse racing
Animal Medical Center	New York, NY
Extern of Clinical Veterinary Medicine and Surgery	Seasonal 2012- 2016
<ul> <li>Shadowed doctors on surgical services: Soft-Tissue and Orthopedic, Neuro Radiology/Interventional Endoscopy, Dentistry, Emergency Room, and Int</li> <li>Scrubbed into and assisted numerous surgeries</li> <li>Performed necropsy and cadaver work</li> </ul>	
Attended daily rounds and appointments	
Education Saint Matthews University School of Veterinary Medicine (SMUSOVM)	2017- 2018
Transfer student from RUSVM to SMUSOVM	2017-2018
Ross University School of Veterinary Medicine (RUSVM)	2014-2016
Animal Science Professional Level Education Courses of Significance:	
• Immunology, Bacteriology and Mycology, Virology, Epidemiology, Zoolo	
Laboratory Animal Medicine, Principles of Veterinary Research	ogy, and Public Health,
	ogy, and Public Health, Burlington, VT
Laboratory Animal Medicine, Principles of Veterinary Research	
Laboratory Animal Medicine, Principles of Veterinary Research University of Vermont (UVM) College of Agriculture of Life Sciences • Bachelor of Science in Animal Science	Burlington, VT
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Laboratory Animal Medicine, Principles of Veterinary Research University of Vermont (UVM) College of Agriculture of Life Sciences • Bachelor of Science in Animal Science Certifications, Memberships, and Licensing FEMA IS 10.a: Animals in Disasters- Awareness and Preparedness	Burlington, VT 2010-2014 2019
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Saint Matthews University School of Veterinary