

BIO

An animal health professional with over a decade of relevant experience in most major taxa, I have working knowledge in toxicology, parasitology, microbiology, genetic lab practices, medical management, captive husbandry, and postmortem examinations.

EDUCATION

Master of Science

Major: Wild Animal Biology
Royal Veterinary College, Sept. 2022

Bachelor of Science

Major: Biology
Oklahoma State University, May 2020

Bachelor of Agricultural Science

Major: Natural Resource Ecology and Management
Oklahoma State University, May 2020

CURRENT CERTIFICATIONS

Certified Wildlife Rehabilitator

International Wildlife Rehabilitators Council (IWRC), Jan. 2020

Certified Animal Euthanasia Technician

Oklahoma State Board of Veterinary Practitioners, Sep. 2020

Advanced Open Water Diver

Professional Association of Diving Instructors, Aug. 2021

Marine Mammal Medic

British Divers Marine Life Rescue, Jul. 2022

SELECT TRAININGS

Reptile Veterinary Medicine Course

Hoedspruit Reptile Centre, Jul. 2021

Pain Management

IWRC, Feb. 2020

Zoonosis

IWRC, Feb. 2020

ICS-100 Introduction to Incident

Command Systems

Federal Emergency Management Agency, Jan. 2018

Basic Wildlife Rehabilitation

IWRC, Dec. 2017

Chemical Immobilization of Animals

SafeCapture International, Mar. 2016

WILLIAM FUNK

Wildlife Health Researcher

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Professional Website:

williamini33.wixsite.com/williamfunk

Social Media Outreach:

Funk's Wildlife Disease Lab (FB)

@okwildlivedisease (Instagram)

Relevant Work Experience Research

Funk's Wildlife Disease Lab, Noble, OK

Private Researcher/Soc. Media Mngr. (Wildlife Health), Sep. 2022 - Present

Royal Veterinary College, London, UK

Graduate Researcher (Raptor Parasitology), Sep. 2021 - Sep. 2022

Oklahoma Fish and Wildlife Cooperative Research Unit, Stillwater, OK

Lab Technician (Invertebrate Identification), Oct. 2019 - May 2020

Wildlife Technician (Bear Chemical Immobilization), May 2016 - Aug. 2016

Durant Lab, Stillwater, OK

Lab Technician (Vertebrate/Invertebrate Toxicology), Dec. 2015 - Oct. 2016

Department of Natural Resources and Ecology Management, Stillwater, OK

Field Technician (Coyote Diets), Jan. - May 2016

Wildlife Rehabilitation

International Wildlife Rehabilitators Council, Eugene, OR

Course Instructor, Jun. 2024 - Present

WildCare Oklahoma, Noble, OK

Director of Wildlife Rehabilitation, Jan. 2024 - Present

Wildlife Health Specialist, Aug. 2023 - Dec. 2023

Wildlife Veterinary Assistant, Sep. 2020 - Jul. 2021

Wildlife Rehabilitation Senior Fellow, Jun. - Aug. 2020

Wildlife Rehabilitation Intern, May - Aug. 2017

Grey Snow Eagle House, Perkins, OK

Enrichment Developer and Maintenance Assistant, Sep. 2017 - May 2018

Veterinary Medicine

Neel Veterinary Hospital, Oklahoma City, OK

Veterinary ICU Nurse, Dec. 2020 - Jun. 2021, Sep. 2022 - Oct. 2023

Oklahoma Animal Disease Diagnostics Laboratory, Stillwater, OK

Necropsy and Histology Technician, Apr. 2019 - Mar. 2020

Council Veterinary Hospital, Bethany, OK

Veterinary Assistant, Receptionist, and Kennel Tech, May 2012 - May 2015

Externships

Oklahoma Primate Sanctuary, Newcastle, OK, USA

Animal Care Externship, May 2022

Zoological Society of London, London, UK

Pathological Investigations Externship, Mar. 2022, May 2022

Secret World Wildlife Rescue, East Huntspill, Highbridge, UK

Wildlife Rehabilitation Externship, Apr. - May 2022

Wildlife Aid Foundation, Leatherhead, Surrey, UK

Wildlife Rehabilitation Externship, Mar. 2022

Ecolife Expeditions, North-West University, Potchefstroom, NWP, SA

Vets-in-the-Wild Undergraduate Externship, Jul. - Aug. 2021

Envision Experience, Melbourne, VIC, and Sydney, NSW, AUS

International Scholar Laureate Program: Delegation on Medicine, May 2019

Select Technical Skills

Experience with radio telemetry

Operate inboard and outboard boats

Moderate carpentry and electrical skills

Operate and maintain tractors, ATVs, riding lawn mowers, and motorbikes

GPS and land navigation experience

Training in wilderness survival & first aid

Experience in various analysis software, including Fiji ImageJ, ArcGIS, Tracker, & R

Experience conducting literature reviews and creating grant proposals scientific reports, and presentations.

Select Survey Experience

Ethogram development and utilization

Hair snares

Mist netting

Avian point count surveys

Roadside avian transects

Camera traps

Mammalian transect surveys

Mammalian point count surveys

Various vegetation survey methods

Various chemical immobilization methods

Select Lab Skills

Microscopic hair identification

Fecal and GI content analysis

Microscopic helminth family identification

Manual and machine-driven hematology

DNA extraction, PCR, and electrophoresis

Microbial culturing, identification, and antibiotic resistance testing

Clinical Experience

1000+ hours of avian anesthesia, 1000+

hours of mammalian anesthesia, 100+

hours of reptilian anesthesia, and fish

anesthesia induction and

maintenance

Avian, mammalian, and herptile laceration repair and wound management

Avian and mammalian physical therapy

Chelonian shell repairs

Ophthalmic exams of avians and mammals

Necropsies of avians, mammals, herptiles, and fishes

Placement of NG tubes, central lines, and foley catheter (male and female)

Avian, mammalian, and herptile

phlebotomy

IV, IP, IM, IC, subcarapacial, and SQ

injections

IV and IO catheterization of avians and mammals

Equine semen collection and artificial insemination

Manuscripts in Review or Preparation

Funk, W., Abbott, K. "Morbidity, Mortality, and Release Rates of Raptors Admitted to an Oklahoma Rehabilitation Center between November 2019 and November 2022." (In Preparation)

Funk, W., Shadbolt, T., Fox, M., Blake, D. "Morphologic and molecular identification of *Porrocaecum angusticollis* in free-living red kites (*Milvus milvus*) in England and Wales: disease risk implications for translocation to Europe." *Journal of Wildlife Management* (In Peer Review)

Funk, W., Abbott, K., and Bryant, D. "Comparative Enclosure Design for Red Fox (*Vulpes vulpes*) in a Rehabilitation Setting: A Case Study". *Journal of Wildlife Rehabilitation* (In Peer Review)

Select Presentations

Funk, W. "Research and Rehabilitation: Bridging the Gap Between Citizen Science and Academia". IWRC Tea and Coffee Webinar (Mar. 25, 2024). Online. PowerPoint.

Funk, W., Shadbolt, T., Fox, M., Blake, D. "Morphologic and Molecular Characterization of Nematodes in Red Kites (*Milvus milvus*)". Royal Veterinary College Postgraduate Research Symposium (Sept. 9, 2022). RVC, London, England. PowerPoint.

Funk, W., Abbott, K., Bryant, D. "Comparative Enclosure Design for Red Fox (*Vulpes vulpes*) in a Rehabilitation Setting: A Case Study". Royal Veterinary College Postgraduate Case Study Symposium (May 31, 2022). RVC, London, England. Poster.

Funk, W., Taylor, C., Grant, L. "A Comparison of the Growth of C3 and C4 Monocots in Sandy Soil". Botany Department Research Symposium (Dec. 6, 2017). OSU, Stillwater, OK. Poster

Funk, W., Sanderson, J., Wilkins, A., Meyer, D. "Effect of Light Quality and Quantity on Growth and Development of C3 and C4 Grasses". Botany Department Research Symposium (Apr. 28, 2016). OSU, Stillwater, OK. Poster

Funk, W., Fraser, S., Fuhlendorf, S. "Coyote Diets in Relation to Controlled Burns". Henry Bellman Department of Undergraduate Research Symposium (Apr. 15, 2016) and Karen L. Smith Undergraduate Research Symposium (Apr. 21, 2016). OSU, Stillwater, OK. Poster

Grants and Scholarships

Dr. Linda Wolf CARE for Wildlife Education Scholarship (2024): \$800

Innovative Petcare Vet Tech Sponsorship (2023-2024): \$2250 (per annum)

RVC Postgraduate Research Grant (2022): £1000

RVC Postgraduate Bursary (2021): £11,025

Wentz Research Grant (2016): \$5000

Joseph Fleming Memorial Scholarship (2015): \$1000

OSU Tuition Waiver Scholarship (2015-2020): \$10,000 (per annum)

Oklahoma Regents Scholarship (2015-2019): \$10,000 (per annum)

Freshman Research Scholarship (2015): \$2500

Professional Affiliations

OK Chpt. Of The Wildlife Society Board of Directors Secretary, 2024 - Present

Tricord Ranch Foundation Board of Directors, 2024 - Present

National Wildlife Rehabilitators Council Member, 2024 - Present

The Wildlife Society Member, 2018 - 2020, 2024 - Present

Wildlife Disease Association Member, 2022 - Present

Wild Animal Alumni Association Member, 2023 - Present

International Wildlife Rehabilitators Council Member, 2020 - Present

Tricord Ranch Foundation Advisory Board Member, 2023 - 2024