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PERSONAL INFORMATION:

Canadian Citizenship, US Permanent Resident (Green Card)

First Language – English

RELEVANT EMPLOYMENT HISTORY:

Jan 2018 - Present **University of Colorado | Anschutz Medical Campus, Department of Medicine**

Division of Pulmonary Science & Critical Care Medicine

Laboratory of Dr. David Schwartz & Dr. Ivana Yang (2020)

Laboratory of Dr. Melanie Königshoff (2018-2020)

Position: Research Services Professional

Summary: Research Assistant, Animal Health Technician

Duties: All aspects of animal care for murine (mouse) and ferret lung injury pulmonary fibrosis models, primary lung epithelial cell isolations and culture, ex-vivo experiments with precision lung cut slices to study regeneration and repair in mouse and human tissue, intra-tracheal instillation and other anesthesia procedures, intra-peritoneal injections of tamoxifen for Cre-mouse lines, survival and terminal lung function measurements, necropsy tissue harvest and collection for molecular analysis and histology, transgenic mouse colony breeding and maintenance, including genotyping, record keeping and data analysis, managing IACUC and IBC protocols, coordinating lab meetings and project schedule, including animal ordering, oversee student assistants, and maintaining communication with OLAR staff.

Nov 2007 - Aug 2011 **Centre for Molecular Medicine and Therapeutics**

UBC - Medical Genetics Department, Dr. Elizabeth M. Simpson

Position: Head Technician (Tech III)

Summary: Supervise staff, plan and execute experiments, research assistant.

Duties: Performed many small animal surgical procedures in rodents, mainly embryo harvesting and manipulation, surgical implantation of embryos, vasectomies, in-vitro fertilization, cryopreservation and IVF recovery of murine sperm samples, brain perfusions and collection of tissue/organ specimens. Trained several staff in the above techniques and procedures. Responsible for maintaining communication with junior technicians, Principal Investigators, and other lab personnel.

Oct 2002 - Sept 2006 **BC Cancer Research Centre - Animal Resources Centre**

Position: Animal Technician (Tech III)

Summary: Trained new research technicians, all aspects of research animal care.

Duties: Cryopreservation and rederivation of transgenic mice and their associated background strains. Main tasks included embryo harvesting, implant surgeries, vasectomies, identification of post-copulatory plug, tail/ear sample acquisition for genotyping, hormone injections, cryopreservation of mouse embryos, and all related record keeping and tasks. Care and maintenance of research mice including animal husbandry, medicating, and monitoring health status. Maintained colonies of several strains, including several transgenic models, and their associated breeding records. Sterilization practices of cages and equipment.

EDUCATION:

2000 - 2002	Thompson Rivers University, Animal Health Technology Program Graduated with Honors - Dean's List (GPA 3.90)
2008 - 2011	University of British Columbia, Faculty of Land and Food Systems Bachelor of Science, Agroecology (Applied Biology) Graduated with Honors (GPA 3.80)
2012 - 2014	Florida Agriculture and Mechanical University College of Agriculture and Food Science Master of Science, Agricultural Science (Soil & Water Science) Employed in Laboratory of Dr. Yuch-Ping Hsieh Graduated with Honors (GPA 4.00)

VOLUNTEER POSITIONS:

- Denver Urban Gardens; Master Composter & Greenway Garden Leader (2019-present)
- Damayan Garden Project – Executive Director (2013 - 2017), Assistant Executive Director & Volunteer Co-ordinator (Jan 2012), Lichgate Garden Volunteer (2011)
- Stapleton Paired Homes HOA Board Member (2019 – 2021)
- Hot Yoga Tallahassee – Yoga Instructor (2011-2017), Root to Rise (2022)

PROFESSIONAL DEVELOPMENT:

- Veterinary Technician National Exam (VTNE) June 2002
- Canadian Association of Lab Animal Science - Lab Animal Technician 2003
- British Columbia Veterinary Technologists Association - Animal Health Technician
- UBC Animal Care Centre Rodent Biology, Anaesthesia, and Surgery Courses 2002-2003
- Jackson Laboratories Cryopreservation of Mouse Germplasm Course 2009
- Basic First Aid/CPR/AED – American Red Cross Certificate
- Proficient in Microsoft Office Suite

REFERENCES:

Dr. Ivana Yang, University of Colorado, Pulmonary Science & Critical Care Medicine
(303) 724-6449; ivana.yang@cuanschutz.edu

Dr. Elizabeth Simpson, University of British Columbia, Centre for Molecular Medicine & Therapeutics
(604) 875-3830; simpson@cmmmt.ubc.ca

Christine Watson, BC Cancer Research Centre, BC Veterinary Technologists Association
(778) 257-5393, chwatson@gmail.com

Lindsey Fountain, Fountain Consulting – Program Director
(334) 714-0773, lindsey@fountainconsult.com