

**Talent ID:** 74592

**Title:** Clinical Embryologist

**Location:** Washington D.C., USA

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## Summary

Experienced Clinical Embryologist with a Master's degree in Biomedical and Veterinary Sciences. Expertise in human, bovine, and mouse embryology, assisted reproductive technologies, and laboratory management. Skilled in semen preparation, oocyte retrieval, IVF procedures, cryopreservation, and embryo grading. Proven ability to work independently and collaboratively to meet program goals. Strong background in scientific research and teaching. Looking to leverage my technical and research skills in a clinical embryology setting.

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## Professional Experience

### Clinical Embryologist

*US Fertility - Human Clinical Embryology*

**Location:** Greater Washington D.C. Area, USA

- Developed human clinical embryology and andrology skills and competence.
- Managed daily operations of IVF laboratories, performing assisted reproductive technology procedures such as semen preparation, oocyte identification, conventional IVF, embryo culture and grading, laser-assisted blastocyst collapse, and cryopreservation (vitrification).
- Ensured proper documentation of patient information in an EMR system following standard operating procedures (SOPs).
- Maintained accurate laboratory records and quality control procedures, ensuring compliance with program goals.
- Utilized Radio Frequency Identification (RFID) for maintaining digital chains of custody.

### Research Intern – Human/Mouse Embryology

*Research Institute*

**Location:** Greater Denver Area, USA

- Worked on a summer project to assess oocyte maturation rates post-thaw using supplemented human oocyte warming media.
- Gained experience in in vitro production (IVP) of mouse embryos, including IVF, embryo grading, and extended culture of blastocysts.
- Conducted assessments of oocyte maturation stages and handled mouse embryos for various experiments.

### **Graduate Research Assistant – Bovine Embryology**

*Research Lab, College of Veterinary Medicine*

**Location:** Greater Blacksburg Area, USA

- Investigated the effects of supplementation on cumulus-oocyte complexes in vitro, evaluating blastocyst and cleavage rates.
- Executed Bovi-pure density-gradient centrifugation for oocyte fertilization and assessed various embryo development stages.
- Cryopreserved bovine blastocysts using snap-freezing techniques.
- Contributed to the development of a novel method for synchronizing and breeding ewes using ram seminal plasma.

### **Undergraduate Research Assistant – Bovine Embryology**

*Animal Science Department, University Research Lab*

**Location:** Greater Gainesville Area, USA

- Assisted with bovine embryo research related to heat stress and oocyte collection, improving techniques for in vitro fertilization (IVF).
- Gained hands-on experience with cattle management, reproductive tissue handling, and hormone synchronization.
- Conducted research on heat stress in dairy cattle, working directly on active farms and research studies.

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## **Education**

### **Master of Science in Biomedical and Veterinary Sciences**

*Virginia Polytechnic Institute and State University*

**Location:** Greater Blacksburg Area, USA

- Focused on the effects of nerve growth factor- $\beta$  supplemented fertilization medium on in vitro produced bovine embryo development.
- GPA: 3.71
- Awarded Outstanding Master's Student of the Year

### **Bachelor of Science in Animal Science (Emphasis in Animal Biology)**

*University of Florida*

**Location:** Greater Gainesville Area, USA

- GPA: 3.4

## **Certifications**

- Certified in Artificial Insemination of Cattle
- Proficient in the use of Real-Time PCR and Stripper pipette techniques

## **Core Skills**

- In Vitro Production of Human, Mouse, and Bovine Embryos
  - Semen Analysis and Cryopreservation
  - Embryo Grading and Cleavage Assessment
  - Oocyte Retrieval and Insemination
  - Laboratory Record Maintenance & Data Management
  - Aseptic Techniques and Media Preparation
  - Strong Scientific Writing and Documentation Skills
  - Proficiency with Microsoft Excel and Word
  - Team Collaboration and High-Stress Adaptability
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## **Languages**

- English (Fluent)
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## **Memberships**

- Reproductive Biology Club (Virginia Tech)
  - International Embryo Technology Society
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## **Areas of Interest**

- Assisted Reproductive Technologies
- Embryology and Developmental Biology
- Veterinary Medicine and Animal Science
- Laboratory Management and Quality Control

## **Presentations & Conferences**

- Presentation at Biomedical and Veterinary Sciences Seminar, Virginia Tech
- Presented research findings at the International Congress on Animal Reproduction
- Attended the International Embryo Technology Society conference

## Volunteering

- **Operation Cat Nip**  
Assisted with spaying and neutering feral cats, provided post-operative care, and handled kittens.
  - **Alachua County Humane Society**  
Provided animal care, assisted with adoptions, and supported sick animal monitoring.
  - **University of Florida Veterinary Hospital**  
Shadowed veterinary professionals and gained hands-on experience in various departments, including anesthesia and surgery.
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