

# Jessica A. Franklin

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## SUMMARY

Detail-oriented scientist adept at scientific project design and performance with the equine subject, as well as recording and organizing data and reviewing pertinent literature. Skilled in laboratory techniques and safety training. Extensive experience with the cecally cannulated equine.

## EDUCATION

Southern Illinois University Carbondale, Carbondale, IL

*Bachelor of Science: Animal Science – Equine Specialization*

May 2016

Minor: Agribusiness Economics

GPA: 3.85/4.0

## TECHNIQUES

- Post-surgery wound care and records
- Operation of the equine cannula
- Experimental design
- IV and IM injections
- Venipuncture
- DNA extractions
- Electrophoresis
- Cecal and fecal sampling

## EXPERIENCE

*Stable Attendant*

May 2013 – Present

Ridgewood Stables, LLC, Villa Ridge, IL

- Handle off the track Thoroughbreds: broodmares, stallions and foals
- Instruct on specific nutritional needs of breeding stock and young horses
- Administer medications orally, intramuscularly and intravenously
- Provide emergency care associated with colic, lacerations, punctures and abscesses
- Foaling assistant
- Update social networking sites

*Undergraduate Laboratory Technician*

August 2015– January 2016

Southern Illinois University, Carbondale, IL

- Received laboratory safety training
- Experienced in DNA extraction, spectrophotometry, and electrophoresis gels
- Demonstrated proficiency with Microsoft Word and Excel for data record keeping

*Undergraduate Research Scientist*

May 2015 – January 2016

Southern Illinois University, Carbondale, IL

- Assisted in experimental design
- Conducted research project on antibiotics reaction within the equine cecum
- Collected samples via venipuncture, equine cecal cannula, and rectal fecal grab
- Experience in scientific publication writing

*Undergraduate Research Assistant*

May 2015 – August 2015

Southern Illinois University Carbondale, Carbondale, IL

- Planned and organized experimental procedures
- Collected samples and became proficient in laboratory techniques and processes
- Instructed on special management and care of the cannulated equine
- Participated in Institutional Animal Care and Use Committee training in equine
- Engaged in Southern Illinois University equine safety training

*Student Worker*

January 2015 - May 2015

Southern Illinois University Carbondale, Carbondale, IL

- Observed equine cecal cannulation surgery
- Aided in post-surgery examinations
- Conducted post-surgery wound care

*Union County Equine Team Coach*

October 2013 - May 2015

Union County Extension, Anna, IL

- Instructed 4H members on horse judging and physiology
- Created lesson plans and lectures
- Chaperoned children at competitions and events

**PUBLICATIONS**

- E.B. Venable, J.M. Francis, S.D. Bland. Effect of trimethoprim-sulfamethoxazole on equine cecal microbiome. *Journal of Equine Veterinary Science*. (in progress)

**AWARDS**

- Southern Illinois University Carbondale Dean's List August 2012 – May 2016
- Illinois State 4-H Hippology Champion – Senior division May 2013
- Illinois Horse Show and Racing Association – Queen and Representative June 2011

**COMMUNITY INVOLVEMENT**

- Union County 4-H Equine Team – volunteer coach
- Johnson County Rail and Trail Saddle Club – horse show director
- Illinois Horse Fair – volunteer
- Southern Illinois Regional Hippology and Horse Bowl Contest – volunteer