



# Elaine and Bertram Klein Development Award

The Elaine and Bertram Klein Development Award is a competitive program intended to promote development of promising investigators by providing a one year salary supplement. This program is restricted to one award per year and is named in memory of a renowned horsewoman and her late husband, a Thoroughbred owner and breeder. The first grant was made in 2015 and is funded by the Klein family.

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## **Sophie H. Bogers,**

### ***Virginia Tech's Marion duPont Scott Equine Medical Center***

2015  
Dr. Bogers' research focused on using stem cells to treat osteoarthritis in horses with specific aims of optimizing the anti-inflammatory properties of equine bone marrow-derived mesenchymal stem cells. Dr. Bogers currently serves as an Assistant Professor at Virginia Tech.



## **Amanda L. Ziegler**

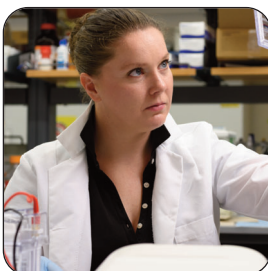
### ***North Carolina State University***

2016  
Dr. Ziegler currently works as a Graduate Research Assistant (Postdoctoral Fellow) at the Gastrointestinal Physiology Lab at North Carolina State University with Dr. Anthony Blikslager

## **Sarah Jacob**

### ***Michigan State University***

2017  
She was mentored by Drs. Helene Pazak and Molly McCue. Jacob's research project was the "Metabolomics allows for insight into metabolic alterations and perturbations associated with dietary carbohydrate profiles, aging, and insulin dysregulation in horses. She is currently working in post doctorate studies at Michigan State University.



## **Jessica M. Gilbertie**

### ***North Carolina State University***

2018  
She received her Masters at Virginia Tech, her DVM at Iowa State University, completed her fellowship at University of Pennsylvania, and her received her PhD from North Carolina State University, assisting in Dr. Lauren Schnabel's lab.

## **Sian Durward-Akhurst** ***University of Minnesota***

2019  
Dr. Molly McCue, Professor and Interim Associate Dean of Research at the University of Minnesota is supervising Sian on the project entitled, "Tools for Precision Medicine in the Horse."



*Note: In 2020 there were no applicants that qualified for this award*

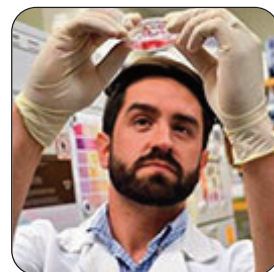


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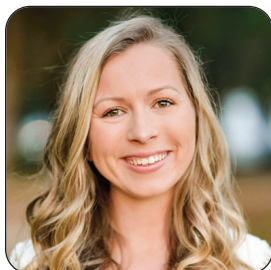
**Aileen Rowland**  
**Texas A & M University**

She is working on the project, “Efficacy of xenogen-free MSCs for osteoarthritis” with Dr. Ashlee Watts, Associate Professor.



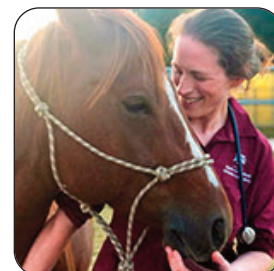
**Bruno C. Menarim**  
**Gluck Equine Research Center at the University of Kentucky**

He is working with Dr. James MacLeod, Director, at the University of Kentucky of the Ag Equine Program on the project, “PPAR- $\gamma$  Activation in the Treatment of Joint Inflammation.”



**Bethanie Cooper**  
**North Carolina State University**

Her project entitled, 'Myristoylated Alanine Rich C-Kinase Substrate (MARCKS) Protein As A Therapeutic Target In Equine Asthma,' will be under the supervision of Dr. Mary Katherine Sheats, Assistant Professor of Equine Primary Care.



**Rebecca Legere**  
**Texas A & M University**

Dr. Legere is working on the project, “Passive immunization against *Rhodococcus equi* using mRNA,” under the direction of Dr. Noah Cohen, Distinguished Professor and Associate Department Head



**Shannon Connard**  
**North Carolina State University**

Dr. Connard is working with faculty supervisor, Dr. Lauren Schnabei on the project “Harnessing Stem Cell Licensing to Enhance Tendon Healing ”



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**Evelyn Hodgson**

***The University of Queensland***

She is working on the project, “Wireless gastric pH measurement in exercising horses” and she will be mentored by Dr. Stephanie Bond, a former Storm Cat Award winner.