### University of Melbourne, Australia

**Name of faculty member**  
Dr. Simon Bailey

**Contact information for faculty member**  
Faculty of Veterinary Science  
University of Melbourne  
Parkville Victoria 3052 Australia  
Phone: 03 8344 6315  
E-mail: bais@unimelb.edu.au

**Areas of interest/expertise**  
Equine laminitis, inflammation and endotoxemia, pharmacology, endocrinology

**Web-site address**

### Colorado State University

**Name of faculty member**  
Jason Bruemmer

**Contact information for faculty member**  
Bruemmer@Colostate.edu

**Areas of interest/expertise**  
Reproduction

**Web-site address**  
csuequine.com

### University of Connecticut

**Name of faculty member**  
- Kristen E. Govoni  
- Dr. Jenifer Nadeau  
- Sarah Reed

**Contact information for faculty member**  
- Phone: 860-486-2480  
  E-mail: kristen.govoni@uconn.edu  
- Phone: (352) 392-1957  
  Email: LKWarren@ufl.edu

**Areas of interest/expertise**

a. Growth and development, bone physiology, use of equine bone marrow mesenchymal stem cells for fracture repair  
b. Equine metabolic disorder, gastric ulcer syndrome, hoof growth  
c. Muscle biology, muscle satellite cells

**Web-site address**

b. [http://animalscience.uconn.edu/faculty/SarahReed.php](http://animalscience.uconn.edu/faculty/SarahReed.php)

### University of Florida

**Name of faculty member**  
Lori K. Warren

**Contact information for faculty member**  
Department of Animal Sciences  
PO Box 110910  
Gainesville, FL 32611  
Phone: (352) 392-1957  
Email: LKWarren@ufl.edu

**Areas of interest/expertise**

a. Equine Nutrition (interaction of nutrition with athletic performance, immune function, and reproduction)  
b. Nutrient Management (nutrition and management strategies to reduce the environmental impact of routine horsekeeping)

**Web-site address**  
www.animal.ufl.edu

### University of Florida

**Name of faculty member**  
Lori K. Warren

**Contact information for faculty member**  
Department of Animal Sciences  
PO Box 110910  
Gainesville, FL 32611  
Phone: (352) 392-1957  
Email: LKWarren@ufl.edu

**Areas of interest/expertise**

a. Equine Nutrition (interaction of nutrition with athletic performance, immune function, and reproduction)  
b. Nutrient Management (nutrition and management strategies to reduce the environmental impact of routine horsekeeping)

**Web-site address**  
www.animal.ufl.edu

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1. **Name of Institution**  
   University of Melbourne, Australia

2. **Name of faculty member**  
   Dr. Simon Bailey

3. **Contact information for faculty member**  
   - Faculty of Veterinary Science  
     University of Melbourne  
     Parkville Victoria 3052 Australia  
     Phone: 03 8344 6315  
     E-mail: bais@unimelb.edu.au

4. **Areas of interest/expertise**  
   Equine laminitis, inflammation and endotoxemia, pharmacology, endocrinology

5. **Web-site address**

6. **Typical number of graduate students working with this faculty member**  
   a. 2 to 3  
   b. 1-3  
   c. 2

7. **Typical number of graduate students working within the equine research area at this Institution**  
   a. 2 to 3  
   b. 2-4  
   c. 3-4

8. **Number and type of opportunities for graduate assistantships with this faculty member**  
   a. PhD, Masters degrees. (No opportunities available currently)

9. **Required background and experience for graduate students**  
   Equine studies or veterinary degree

10. **Recommended background and experience for graduate students**  
   Equine studies or veterinary degree

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1. **Name of Institution**  
   Colorado State University

2. **Name of faculty member**  
   Jason Bruemmer

3. **Contact information for faculty member**  
   Bruemmer@Colostate.edu

4. **Areas of interest/expertise**  
   Reproduction

5. **Web-site address**  
   csuequine.com

6. **Typical number of graduate students working with this faculty member**  
   a. 2 to 3  
   b. 5-8  
   c. 2-4

7. **Typical number of graduate students working within the equine research area at this Institution**  
   a. 2 to 3  
   b. 2 to 3  
   c. 3-4

8. **Number and type of opportunities for graduate assistantships with this faculty member**  
   a. PhD, Masters degrees. (Varies – depends on funding)

9. **Required background and experience for graduate students**  
   a. B.S. degree in Animal Science or closely related field. Strong desire to learn cell culture and molecular biology techniques.  
   b. Must have horse experience  
   c. Strong biology and chemistry background required. An interest in muscle and/or exercise physiology also strongly recommended. Willing to work with multiple animal models.

10. **Recommended background and experience for graduate students**  
    a. Hands-on experience with horses. Laboratory research experience outside of the classroom.  
    b. GRE score above 1000 combined, good grades in science related courses  
    c. Experience working with livestock and/or rodent models a plus.

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1. **Name of Institution**  
   University of Florida

2. **Name of faculty member**  
   Lori K. Warren

3. **Contact information for faculty member**  
   Department of Animal Sciences  
   PO Box 110910  
   Gainesville, FL 32611  
   Phone: (352) 392-1957  
   Email: LKWarren@ufl.edu

4. **Areas of interest/expertise**

a. Equine Nutrition (interaction of nutrition with athletic performance, immune function, and reproduction)  
b. Nutrient Management (nutrition and management strategies to reduce the environmental impact of routine horsekeeping)

5. **Web-site address**  
   www.animal.ufl.edu

6. **Typical number of graduate students working with this faculty member**  
   a. 2-3  
   b. 3-5 graduate students

7. **Typical number of graduate students working within the equine research area at this Institution**  
   a. 2 to 3  
   b. 8-10 in the Dept. of Animal Sciences; additional equine graduate students in the College of Veterinary Medicine

8. **Number and type of opportunities for graduate assistantships with this faculty member**  
   Varies based on grant funding, but usually at least one MS or PhD assistantship available per year. Our department also offers PhD fellowships (1-2/year) for highly qualified students.

9. **Required background and experience for graduate students**  
   a. B.S. degree in Animal Science or closely related field. Strong desire to learn cell culture and molecular biology techniques.  
   b. Must have horse experience  
   c. Strong biology and chemistry background required. An interest in muscle and/or exercise physiology also strongly recommended. Willing to work with multiple animal models.

10. **Recommended background and experience for graduate students**  
    a. Hands-on experience with horses. Laboratory research experience outside of the classroom.  
    b. GRE score above 1000 combined, good grades in science related courses  
    c. Experience working with livestock and/or rodent models a plus.
10. Recommended background and experience for graduate students

Students who are usually admitted have GPA and GRE scores much higher than the minimum values set by the department. For incoming MS students, previous success in advanced science-based coursework (eg, organic chemistry, biochemistry, statistics) are more competitive. In addition, students who have worked in a research setting (eg, completed an honors research project or worked/volunteered on faculty research projects) are more competitive for acceptance into an MS program.

1. Name of Institution  University of Guelph
2. Name of faculty member  Katrina Merkies
3. Contact information for faculty member
   University of Guelph
   Kemptville Campus
   Box 2003, Kemptville, Ontario Canada. K0G 1J0.
   Phone: 613-28-8336 x61316
   E-mail: kmerrick@uoguelph.ca
4. Areas of interest/expertise
   Equine behaviour and management; stallion reproduction; weaning; equitation science
5. Web-site address
   www.uoguelph.ca, www.kemptville.uoguelph.ca
6. Typical number of graduate students working with this faculty member 1-2
7. Typical number of graduate students working within the equine research area at this Institution 2-3. Others may be working with horses in the veterinary college of our university doing clinical studies.
8. Number and type of opportunities for graduate assistantships with this faculty member Possibility for teaching assistant while pursuing studies.
9. Required background and experience for graduate students
   Undergraduate degree with a minimum 75% average in last 2 years. Animal science/animal biology major including classes dealing with equine training, reproduction, management, and health. In addition, students will participate in the equine breeding and foaling activities at the KSU Horse Unit.
10. Recommended background and experience for graduate students
   As above with focus on equine or strong personal interest in equine

1. Name of Institution  University of Kentucky
2. Name of faculty member  Teresa Douthit
3. Contact information for faculty member
   129 Weber Hall
   Manhattan, KS 66506
   Phone: (785)532-1268   E-mail: douthit@ksu.edu
4. Areas of interest/expertise
   Equine nutrition
5. Web-site address
6. Typical number of graduate students working with this faculty member 4
7. Typical number of graduate students working within the equine research area at this Institution 3-4
8. Number and type of opportunities for graduate assistantships with this faculty member
   4 research assistants are currently funded.
9. Required background and experience for graduate students
   Must meet admission requirements for the Graduate School at the University of Kentucky. Must have 3.0 GPA (or at a bare minimum must have a 3.0 GPA on last 60 credit hours of course work completed)
10. Recommended background and experience for graduate students
   A degree in Animal Science, Equine Science, or a closely related field. Prior experience handling and working with horses is a plus. A strong desire to complete research and excellent written communications skills are also preferred. One of these assistantships is designated for a student to coach the university horse judging team. For this assistantship, experience on a collegiate horse judging team and experience coaching horse judging are strongly preferred.

1. Name of Institution  Kansas State University
2. Name of faculty member  Joann Kouba
3. Contact information for faculty member
   128 Weber Hall
   Kansas State University
   Manhattan, KS 66506
   Phone: 785-532-1240
   E-mail: jkouba@ksu.edu
4. Areas of interest/expertise
   Equine Reproductive Physiology
5. Web-site address
   http://www.asi.ksu.edu
6. Typical number of graduate students working with this faculty member 1-2
7. Typical number of graduate students working within the equine research area at this Institution 3-4
8. Number and type of opportunities for graduate assistantships with this faculty member
   1, GRA
9. Required background and experience for graduate students
   Must have a minimum 3.0 undergraduate GPA; strong oral and written communication skills.
10. Recommended background and experience for graduate students
   A degree in Animal Science or Equine Science, and a strong interest in pursuing graduate studies. Prior horse handling experience, including equine breeding and training, is also preferred. In addition to the research program, graduate students are expected to participate in the undergraduate teaching program, including classes dealing with equine training, reproduction, management, and health. In addition, students will participate in the equine breeding and foaling activities at the KSU Horse Unit.

1. Name of Institution  University of Kentucky, Department of Animal and Food Sciences
2. Name of faculty member  Laurie Lawrence
3. Contact information for faculty member
   614 Garrigus, University of Kentucky
   Lexington, KY 40546-0215
   Phone: 859-257-7509
   E-mail: llawrence@uky.edu
4. Areas of interest/expertise
   Equine nutrition
5. Web-site address
   http://www.asi.ksu.edu
6. Typical number of graduate students working with this faculty member 4
7. Typical number of graduate students working within the equine research area at this Institution 30 (includes students in several departments; Animal and Food Sciences; Veterinary Science; Plant and Soil Sciences, etc.)
8. Number and type of opportunities for graduate assistantships with this faculty member
   4 research assistants are currently funded.
9. Required background and experience for graduate students
   Must meet admission requirements for the Graduate School at the University of Kentucky.
10. Recommended background and experience for graduate students
   BS degree in Animal Science, Equine Science or a related field. Practical experience with horses, research experience and leadership experience through extra curricular activities are desirable.

1. Name of Institution  University of Kentucky
2. Name of faculty member  Dr. Kristine Urschel
### University of Maryland

**Name of faculty member**: Daniel C. Nelson  
**Contact information for faculty member**:  
- Email: nelsond@umd.edu  
- Phone: 301-314-8371  

**Areas of interest/expertise**  
Development of novel antimicrobials and diagnostics based on bacteriophage-encoded proteins, with a focus on Streptococcus and Staphylococcus.

**Web-site address**  
http://www.ibbr.umd.edu/profiles/daniel-nelson

**Typical number of graduate students working with this faculty member**  
3-4

**Typical number of graduate students working within the equine research area at this Institution**  
8-10 in the Department of Animal & Food Sciences (many more in the Department of Veterinary Sciences)

**Number and type of opportunities for graduate assistantships with this faculty member**  
1

**Required background and experience for graduate students**  
- Undergraduate degree in biological sciences, biochemistry, molecular biology, or cell biology.
- MS students: previous animal experience (not necessarily horse, although horse is preferred), undergraduate research experience, courses in biology and chemistry. PhD students: animal experience, MS degree in either nutrition, physiology, equine science or animal science (or related areas). Will also consider students with only a BS degree for a PhD program, based on high GPA and GRE scores, strong recommendations and extensive undergraduate research experience. In all cases, the student must be enthusiastic about learning new things and getting involved with a variety of research projects. All students must be comfortable working with horses (young and mature) and in laboratory settings.
- Good GPA, strong GRE, some horse experience, desire to study areas of interest

**Recommended background and experience for graduate students**  
Courses in nutrition, physiology and biochemistry; experience in handling young horses; experience with a variety of laboratory techniques (PCR, Western blot, HPLC, spectrophotometric assays, etc.).

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### University of Minnesota

**Name of faculty member**: Krishona Martinson  
**Contact information for faculty member**  
- Email: krishona@umn.edu  
- Phone: 612-625-6776

**Areas of interest/expertise**  
Optimizing equine forage (hay and pasture) use.

**Web-site address**  
http://www.msu.edu/~bdn/

**Typical number of graduate students working with this faculty member**  
1 or 2

**Typical number of graduate students working within the equine research area at this Institution**  
2 to 4 in the Department of Animal Science, additional students in the College of Veterinary Medicine.

**Number and type of opportunities for graduate assistantships with this faculty member**  
1

**Required background and experience for graduate students**  
Strong science and equine background.

**Recommended background and experience for graduate students**  
Preference given to students with past courses in biochemistry, statistics, and nutrition. Previous experience training horses is preferred. Demonstration of leadership experience in student organizations.
Equine Graduate Programs - Alphabetical by State/Country

1. Name of Institution: North Carolina State University
2. Name of faculty member: Shannon Pratt Phillips
3. Contact information for faculty member: E-mail: sepratt2@ncsu.edu
4. Areas of interest/expertise: Nutrition, Biochemistry, some lab experience
5. Web-site address: www.ncsu.edu
6. Typical number of graduate students working with this faculty member: 1-3 total (usually 1 new student per year)
7. Typical number of graduate students working within the equine research area at this Institution: 2-6 total (usually 2 new students per year)
8. Number and type of opportunities for graduate assistantships with this faculty member: Limited assistantships available, usually 1 at a time
9. Required background and experience for graduate students: GPA 3.30 or higher; competitive GRE scores; self-motivated; willingness to learn and conduct applied, field research; able to work in a collaborative environment; and an interest in forages and Extension programming.
10. Recommended background and experience for graduate students: An interest in equine forage utilization and nutrition.

1. Name of Institution: The Ohio State University
2. Name of faculty member: Kimberly Cole
3. Contact information for faculty member: Phone: 614-292-7951, E-mail: cole.436@osu.edu
4. Areas of interest/expertise: Nutritional immunology
5. Web-site address: equine.osu.edu
6. Typical number of graduate students working with this faculty member: 1-2
7. Typical number of graduate students working within the equine research area at this Institution: 1-2
8. Number and type of opportunities for graduate assistantships with this faculty member: All graduate students in the Department of Animal Science at the University of Minnesota must be on a paid teaching or research assistantship. Approximately 5 department assistantships are awarded on a competitive basis, while most graduate students are funded off research grants or teaching assistantships. Assistantships will be offered as funding is secured.
9. Required background and experience for graduate students: GPA 3.0 or higher; competitive GRE scores; self-motivated; willingness to learn and conduct applied, field research; able to work in a collaborative environment; and an interest in forages and Extension programming.
10. Recommended background and experience for graduate students: An interest in equine forage utilization and nutrition.

1. Name of Institution: The Pennsylvania State University
2. Name of faculty member: Dr. Burt Staniar
3. Contact information for faculty member: Phone: 814-865-0698, E-mail: wstaniar@psu.edu
4. Areas of interest/expertise: Equine Nutrition
5. Web-site address: http://www.das.psu.edu/directory/wbs14
6. Typical number of graduate students working with this faculty member: 2 to 3
7. Typical number of graduate students working within the equine research area at this Institution: 3 to 4
8. Number and type of opportunities for graduate assistantships with this faculty member: Very competitive departmental assistantships
9. Required background and experience for graduate students: Strong nutrition, biochemistry and physiology background. Animal science or nutrition degree for undergrad. Equine experience.
10. Recommended background and experience for graduate students: Practiced at communication skills, problem solving, managing people

1. Name of Institution: North Dakota State University
2. Name of faculty member: Carrie Hammer
3. Contact information for faculty member: Phone: 701-231-5682, E-mail: carrie.hammer@ndsu.edu
4. Areas of interest/expertise: Equine growth/development, immunology
5. Web-site address: http://www.ag.ndsu.edu/equinescience
6. Typical number of graduate students working with this faculty member: 1
7. Typical number of graduate students working within the equine research area at this Institution: 1
8. Number and type of opportunities for graduate assistantships with this faculty member: ½ time research assistantship
9. Required background and experience for graduate students: Must have B.S. degree in related field and show ability to maintain acceptable GPA in science coursework
10. Recommended background and experience for graduate students: Experience with undergraduate research; basic working horse knowledge

1. Name of Institution: Rutgers, the State University of New Jersey
2. Name of faculty member: Kenneth H. McKeever, Ph.D., FACSM
3. Contact information for faculty member: Kenneth McKeever, Ph.D., Professor of Equine Exercise Physiology, Associate Director for Research, Equine Science Center, Department of Animal Sciences, Rutgers the State University of New Jersey, 84 Lipman Drive, New Brunswick, NJ 08901-8525
4. Areas of interest/expertise: Equine nutrition/physiology - glucose/insulin metabolism, obesity, Immunology, Microbiology
5. Web-site address: http://www.das.psu.edu/directory/wbs14
6. Typical number of graduate students working with this faculty member: 1
7. Typical number of graduate students working within the equine research area at this Institution: 1
8. Number and type of opportunities for graduate assistantships with this faculty member: Limited assistantships available, usually 1 at a time
9. Required background and experience for graduate students: Strong nutrition, biochemistry and physiology background. Equine experience.
10. Recommended background and experience for graduate students: Practiced at communication skills, problem solving, managing people

1. Name of Institution: Rutgers, the State University of New Jersey
2. Name of faculty member: Kenneth H. McKeever, Ph.D., FACSM
3. Contact information for faculty member: Kennedy McKeever, Ph.D., Professor of Equine Exercise Physiology, Associate Director for Research, Equine Science Center, Department of Animal Sciences, Rutgers the State University of New Jersey, 84 Lipman Drive, New Brunswick, NJ 08901-8525
4. Areas of interest/expertise: Equine nutrition/physiology - glucose/insulin metabolism, obesity, Immunology, Microbiology
5. Web-site address: http://www.das.psu.edu/directory/wbs14
6. Typical number of graduate students working with this faculty member: 1
7. Typical number of graduate students working within the equine research area at this Institution: 1
8. Number and type of opportunities for graduate assistantships with this faculty member: Limited assistantships available, usually 1 at a time
9. Required background and experience for graduate students: Strong nutrition, biochemistry and physiology background. Equine experience.
10. Recommended background and experience for graduate students: Practiced at communication skills, problem solving, managing people
Equine Graduate Programs - Alphabetical by State/Country

4. Areas of interest/expertise
Exercise Physiology, Pharmacology, Endocrinology, Environmental Physiology, Nutritional Physiology

5. Web-site address
esr.rutgers.edu

6. Typical number of graduate students working with this faculty member
0 to 2

7. Typical number of graduate students working within the equine research area at this Institution
0 to 2

8. Number and type of opportunities for graduate assistantships with this faculty member
Limited

9. Required background and experience for graduate students
Each student trained in my lab has got to have the foundation to compete in a tough funding climate where the NIH model is being imposed on those in colleges of agriculture. They will also have to compete with those who have DVM's. Sound preparation as a science student and an inquisitive mind, a strong drive to do physiological research are what I look for in a student. Being able to look outside the box is important. A no fear attitude. A strong work ethic (not just looking to check off the boxes doing the minimum to get a PhD).

10. Recommended background and experience for graduate students
Strong preparation in all the sciences.

1. Name of Institution Rutgers University Graduate School—Program in Endocrinology & Animal Biomedical Sciences
2. Name of faculty member Karyn Malinowski, Ph.D.
3. Contact information for faculty member Phone: 848-932-9419
   E-mail: Malinowski@aesop.rutgers.edu
4. Areas of interest/expertise
   Endocrinology, Aging, horse racing industry
5. Web-site address
   esr.rutgers.edu
6. Typical number of graduate students working with this faculty member
   1
7. Typical number of graduate students working within the equine research area at this Institution
   3-4 (Ph.D. Preferred)
8. Number and type of opportunities for graduate assistantships with this faculty member
   All students are funded
9. Required background and experience for graduate students
   Top GPAs from leading research institutions. Prospective candidates must have solid science background. Horse management skills not a requirement.
10. Recommended background and experience for graduate students
   Scientific lab skills a plus. Solid undergraduate science background from leading research institution preferred.

1. Name of Institution Tarleton State University
2. Name of faculty member Don Henneke
3. Contact information for faculty member Phone: 254-968-9679
   E-mail: henneke@tarleton.edu
4. Areas of interest/expertise
   Equine Production
5. Web-site address
   www.tarleton.edu/equine
6. Typical number of graduate students working with this faculty member
   2-3
7. Typical number of graduate students working within the equine research area at this Institution
   1-2
8. Number and type of opportunities for graduate assistantships with this faculty member
   1 9-month GA position
9. Required background and experience for graduate students
   Experience with horses
10. Recommended background and experience for graduate students
   Experience (not exposure) with horse production

1. Name of Institution West Texas A&M University
2. Name of faculty member Lance Baker or John Pipkin
3. Contact information for faculty member Email: lbaker@wtamu.edu; jpipkin@wtamu.edu
4. Areas of interest/expertise
   Equine Nutrition, Equine Business
5. Web-site address
   www.wtamu.edu
6. Typical number of graduate students working with this faculty member
   1 to 2
7. Typical number of graduate students working within the equine research area at this Institution
   3
8. Number and type of opportunities for graduate assistantships with this faculty member
   2 to 3
9-10. Required background and experience for graduate students
   Equine Science or Business, Animal Science. Practical experience with riding, showing, and/or Judging horses