The ARBL is seeking three PhD Students to fill USDA-AFRI National Needs Fellowships (NNF) designed to increase the nation’s scientific and professional expertise in the food and agricultural sciences.

The ARBL is a vibrant center of collaborative basic, translational and clinical research with focus in teaching and outreach in animal reproduction. ARBL houses diverse, talented and internationally-recognized faculty.

**ARBL NNF Principal Directors (PD)**
- Dr. Thomas Hansen (PD), Biomedical Sciences
- Dr. Russell Anthony (Co-PD), Biomedical Sciences
- Dr. Jason Bruemmer (Co-PD), Equine Sciences
- Dr. Elaine Carnevale (Co-PD), Biomedical Sciences
- Dr. Colin Clay (Co-PD), Biomedical Sciences
- Dr. Milt Thomas (Co-PD), Animal Sciences

**ARBL NNF Collaborating Faculty**
- Dr. Jennifer Barfield, Biomedical Sciences
- Dr. Richard Bowen, Biomedical Sciences
- Dr. Douglas Eckery, USDA-APHIS
- Dr. Ryan Ferris, Clinical Sciences
- Dr. James Graham, Biomedical Sciences
- Dr. Hyungchul Han, Animal Sciences
- Dr. Jason Herrick, Natl. Foundation Fertility Research
- Dr. Rebecca Krischer, Natl. Foundation Fertility Research
- Dr. Tiana Magee, Biomedical Sciences
- Dr. Torrance Nett, Biomedical Sciences
- Dr. Pablo Pinedo, Animal Sciences
- Dr. George Seidel, Biomedical Sciences
- Dr. Quinton Winger, Biomedical Sciences
- Dr. Hana Van Campen, Biomedical Sciences
- Dr. Rao Veeramachaneni, Biomedical Sciences
- Dr. Quinton Winger, Biomedical Sciences

**ARBL NNF students are trained by faculty co-mentors to foster collaborative PhD research and training**

**The ARBL is at Colorado State University in Fort Collins**

**USDA-AFRI National Needs Fellowships for Pre-Doctoral (PhD) Students**

Training in leadership, grantsmanship, teaching and ethics develops ARBL graduates with outstanding communication skills who can enter the global workforce as leaders in the USDA emphasis area of Large Animal Reproduction.

**NNF students will also present PhD research at international meetings and be mentored in research experiences by international ARBL collaborators.**

**NNF students will be trained in ARBL research focal areas:**
- Sperm, Egg and Early Embryo Development
- Healthy Baby/Healthy Mother
- Reproductive Neuroendocrinology
- Translational Reproductive Biotechnologies

**Application Information:**
- ARBL NNF recipients must be US citizens or nationals.
- Underrepresented students receive special consideration
- Applicants must complete the MS or DVM degree prior to entry into the ARBL NNF training program.
- Annual stipends are $24,500. Tuition and fees are also paid from sources other than NNF.
- Applications will be accepted until all NNF positions are filled.
- Submit letters of intent and curriculum vitae as a PDF to: ARBL@colostate.edu. For more information on the ARBL please visit: cvms.colostate.edu/bms/ARBL
- NNF are funded by USDA Grant No. 206-38420-25289 from the National Institute of Food and Agriculture.

**Students compete in presentations, and help manage scientific sessions at Rocky Mountain Reproductive Sciences Symposium and national meetings.**

**Students receive “hands-on” training in non-surgical and surgical embryo transfer as well as many other research and clinical-based Assisted Reproductive Technologies.**

**USDA United States Department of Agriculture**
- Colorado State University is an equal opportunity/affirmative action employer and complies with all Federal and Colorado State laws, regulations, and executive orders regarding affirmative action requirements.