Haipeng Yu

CONTACT INFORMATION
3695 Litton Reaves Hall
175 West Campus Drive
Virginia Tech
Blacksburg, Virginia 24061 USA

E-mail: haipengyu@vt.edu
Phone: (701) 730-1368
WWW: haipengu.github.io

EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, Virginia USA
Ph.D., Animal and Poultry Sciences - Quantitative Genetics — August 2018 - Present

- Advisor: Dr. Gota Morota

University of Nebraska-Lincoln, Lincoln, Nebraska USA
Ph.D., Animal Science - Quantitative Genetics — August 2016 - August 2018

- Advisor: Dr. Gota Morota

North Dakota State University, Fargo, North Dakota USA
M.S., Animal Breeding and Genetics — August 2016

- Thesis: "The exploration of a four-platform standing scale in the application of measuring temperament in beef cattle"
- Advisor: Dr. Lauren Hulsman Hanna

Qingdao Agricultural University, Qingdao, Shandong CHINA
B.S., Veterinary Medicine — July 2013

PROFESSIONAL EXPERIENCE

Virginia Polytechnic Institute and State University, Blacksburg, Virginia USA
Graduate Teaching Assistant

- ALS 3104: Animal Breeding and Genetics — Spring 2019

Graduate Research Assistant — August 2018 - Present

University of Nebraska-Lincoln, Lincoln, Nebraska USA
Graduate Research Assistant — August 2016 - August 2018

North Dakota State University, Fargo, North Dakota USA
Graduate Teaching Assistant

- ANSC 357: Animal Genetics — Spring 2016
- AGRI 189: Skills for Academic Success — Fall 2015

Graduate Research Assistant — 01/2015 - 05/2016

PROFESSIONAL AFFILIATIONS

- American Society of Animal Science, member. — 01/01/2017 - 01/01/2019

PEER REVIEWED JOURNAL PAPERS

- **Yu H**, Campbell MT, Walia H, and Morota G. 2018. Genomic Bayesian confirmatory factor analysis and Bayesian network to characterize a wide spectrum of rice phenotypes. *G3: Genes, Genomes, Genetics.* Early view. doi: 10.1534/g3.119.400154
- **Yu H**, Spangler ML, Lewis RM, and Morota G. 2018. Do stronger measures of genomic connectedness enhance prediction accuracies across management units? *Journal of Animal Science.* **96** :4490-4500. doi: 10.1093/jas/sky316
- **Yu H**, Spangler ML, Lewis RM, and Morota G. 2017. Genomic relatedness strengthens genetic connectedness across management units. *G3: Genes, Genomes, Genetics.* **7** :3543-3556. doi: 10.1534/g3.117.300151

PAPERS IN PROCEEDINGS

- **Yu H**, Spangler ML, Lewis RM, and Morota G. 2018. Stronger measures of genomic connectedness enhance prediction accuracies across management units. In: *Proceedings, 11th World Congress of Genetics Applied to Livestock Production.* **11** :406. February 11-16, Auckland, New Zealand. [WCGALP]

CONTRIBUTED PRESENTATIONS

- ADSA-ASAS 2018 Midwest Meeting. An assessment of genomic relatedness across management units. Omaha, NE. March 12-14, 2018. [Abstract]
- NCERA-225 Annual Meeting. Stronger measures of genomic connectedness enhance prediction accuracies across management units. Stanley Stout Livestock Marketing Center, Manhattan, KS. October 18-19, 2017.
- ASAS-CSAS Annual Meeting and Trade Show. Genomic relatedness strengthens genetic connectedness across management units. Baltimore, MD. July 8-12, 2017.

CONFERENCES ATTENDED

- NCERA-225 Annual Meeting, North Dakota State University, ND, October 22-23, 2015.
- Graduate Learning Conference for College Teaching, North Dakota State University, ND, August 17-18, 2015.
- WERA-1: Beef Cattle Breeding in the Western Region, Miles City, MT, May 19-20, 2015.
- Midwest Meeting of American Society of Animal Science, Des Moines, IA, March 15-18, 2015.

INTRAMURAL SEMINARS

- The Reproductive Biology Club. Genomic Connectedness Across Management Units. Department of Animal and Poultry Sciences, Virginia Polytechnic Institute and State University. April 19, 2019
- Animal Breeding and Genetics seminar. Genomic factor analytic and graphical models to characterize a wide spectrum of rice phenotypes. Department of Animal Science, University of Nebraska-Lincoln. February 28, 2018.
- Animal Breeding and Genetics seminar. Genomic relatedness strengthens genetic connectedness across management units. Department of Animal Science, University of Nebraska-Lincoln. February 14, 2017.
- Animal Breeding and Genetics Seminars. The exploration of a four-platform standing scale in the application of measuring temperament in beef cattle. Department of Animal Sciences, University of Nebraska-Lincoln. September 29, 2016.

- M.S., Thesis Defense. Department of Animal Sciences, North Dakota State University. May 17, 2016.

ADDITIONAL TRAINING

- Programming and Computer Algorithms in Animal Breeding With Focus on Genomic Selection and Single-Step GBLUP, University of Georgia, GA, May 7-25, 2018.
- Introduction to Graphical Models With Applications to Quantitative Genetics and Genomics, Iowa State University, IA, June 19-23, 2017.
- Software Carpentry Workshop. University of Nebraska-Lincoln, NE, January 5-6, 2017.

HONORS/ AWARDS

- Frank Bain Graduate Student Scholarship, North Dakota State University, Spring 2015
- Excellent Student, Qingdao Agricultural University, China, 2009-2013

REFERENCES

- Dr. Gota Morota, Department of Animal Sciences, University of Nebraska-Lincoln, Lincoln, NE. *E-mail*: morota@unl.edu, *Phone*: (402) 472-6031
- Dr. Harkamal Walia, Department of Agronomy and Horticulture, University of Nebraska-Lincoln, Lincoln, NE. *E-mail*: hwalia2@unl.edu, *Phone*: (402) 472-1162
- Dr. Ina Hoeschele, Department of Statistics & Biocomplexity Institute, Virginia Polytechnic Institute and State University, Blacksburg VA. *E-mail*: inah@vbi.vt.edu, *Phone*: (540) 231-3135
- Dr. Lauren Hulsman Hanna, Animal Science Department, North Dakota State University, Fargo, ND. *E-mail*: Lauren.Hanna@ndsu.edu, *Phone*: (701) 231-7636