



First name/Surname: Guido Gomez Proto
Telephone: +39 3313468563
E-mail: guido.gomezproto@studenti.unipd.it
Nationality: Argentina
Date of birth: 23/09/1989
Place of birth: Tucuman, Argentina

Education:

- PhD student in Animal and Food Science (2021-)
- Master student in Animal Genetics and Reproduction Biotechnology (2018-2020)
- Bachelor student in Animal Production Engineer (2008-2016)

Research areas:

- Quantitative genetics
- Genomics
- Animal breeding

Brief description of Ph.D project:

During my PhD program, I will analyze possible relationships among genes identified through analysis of SNPs markers and productive and functional traits recorded in dual-purpose small cattle populations. The gene pattern analysis will also be accompanied by investigations on the possible use of genomic information in small cattle populations for breeding purposes, i.e., the use of genomic data for prediction of breeding values and accuracy of prediction.

Expected results: Detection of gene association for productive and functional traits in small dual-purpose cattle breeds; detection of pathways in which genes related to productive and functional traits are involved; estimates of breeding values in small dual-purpose cattle breeds and use in routinary breeding programs.

Supervisors:

Professor Roberto Mantovani

Professor Cristina Sartori