



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Curriculum Vitae

Family Name: Mancin

Given Name: Enrico

Nationality: Italian

Date of birth: 29/11/1994

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Education:

- PhD in Animal and Food Science, Università di Padova (2018-continue)
- MSc. Scienze tecnologie Animali, Università di Padova (2016-2018)
- BSc. Scienze tecnologie Animali, Università di Padova (2013-2016)

Research areas:

- Quantitative genetics
- Genomics
- Local cattle breeds

PhD Program:

Topic 1: Analysis of genetic parameters for new traits

Analysis of genetic parameters and breeding value estimates for new traits in

local cattle breeds. The aim of this study is to identify new traits to be used in selection of local dual purpose breeds and related to morphology or fitness traits like fertility, longevity, somatic cell counts, etc. Genetic parameters of the new traits, including the genetic correlations with classical traits already under selection will be carried out, and the inclusion of the new traits in a selection index will be considered in the study.

Topic 2: GWAS for meat and milk quality

Genomic association analysis in local cattle breed for new phenotypes and new fitness traits: The objective of this study is to analyze the relationship between SNP markers and phenotypic traits in order to evaluate the possible support of marker analysis in breeding values prediction considering both milk and meat traits.

Topic 3: Analysis of Inbreeding

Analysis of inbreeding obtained with classical approach or by genomic analysis in small population: This study aims at analyzing the relationship between the classical approach for inbreeding estimates (i.e., through the use of the pedigree), and genomic inbreeding obtained from genetic analysis of SNP markers via DNA chip.

Supervisor:

Prof. Roberto Mantovani

Publications:

