

# **CURRICULUM VITAE ET STUDIORUM**

**Family name:** NEGRINI  
**First name:** RICCARDO

## **PROFESIONAL CAREER**

### **Università Cattolica del S. Cuore, Piacenza, Italy**

Since 2004 I'm senior researcher at Institute of Zootechnics. Since November 2017 I am Associated professor. My teaching duties comprise: biotechnology, livestock genomics and genetics, livestock productions, and statistics.

My research experiences and interests include: animal biodiversity and conservations, livestock history and evolution, application of high-resolution molecular markers to test hypotheses of relatedness within animal population, application of novel genomic tools for the identification of quantitative traits, GWAS, models for the integration of molecular information into breeding programs, novel phenotypes and genomic selection and precision livestock farming.

In 2017 I upgraded to Associated Professor in 07/G1 Animal science and technology

### **Italian Breeder Association (AIA)**

In 2010 I took the position of Technical Director of the Italian Breeder Association (AIA [www.aia.it](http://www.aia.it)).

The Italian Breeder Association counts 18 regional or interprovincial offices and more than 1100 field technicians running routinely performance recording, milking machine control, extension services and animal nutrition advice. Counting more than 46.000 farmers associated, AIA is among the biggest Farmer Association in Europe.

As technical director, I am responsible of the national beef and dairy performance recording systems in cattle, sheep, goats and buffalo. I'm also responsible of the National Register of native livestock cattle breeds at risk of extinction, the National herd-book of Pinzgauer, three herd-books of horses (Murgese, Lipizzano, Noriken) the Register of Native horses breeds with 7 local breeds and the Register of Autochthonous Poultry Species.

My activities include the recognition of farmer needs, the innovation transfer, the interface between farmers and research, the development of new tools for extension services both for dairy and beef production, the statistical analysis of productive and reproductive data, the organization and coordination of training for technicians and writing and manage international cooperation project in the field of animal productions.

Finally, I'm responsible of the genetic laboratory of the Italian breeder association (LGS, Cremona Italy) running more than 70,000 analyses/year including parentage testing, genetic disease diagnosis, genomic analysis, quality and authentication of products; and of the Standard Milk Laboratory (LSL Maccaresse Rome Italy) offering more than 30 reference materials and leading the periodic ring test among the 22 milk laboratories of the Association spread all over Italy.

Under my direction the Association has enlarged the knowhow and services provided to the Associated including animal welfare, GHG emission, the environmental sustainability, and climate mitigation, developed a proprietary software for the herd management (Si@lleva), and begin a process of internationalization with, up to now, 4 EU projects already financed.

Finally, I foster the evolution of the LGS lab toward the newest molecular technologies and now LGS is among the up to date lab in Europe for genetic and genomic analyses in livestock.

### **Italian Goat and Sheep Association (ASSONAPA)**

From 2014 to 2017 I has been appointed as Technical Director of the Italian Goat and Sheep Association (ASSONAPA [www.assonapa.it](http://www.assonapa.it)). From official ISTAT data (6° Censimento Generale dell'Agricoltura Anno 2010) Italy has more the 7.5 M of head distributed in 73855 farms, more than 20% of which associated to ASSONAPA. Italy is a hot spot of diversity for this species with more than 35 goats breeds and 45 sheep breeds officially registered.

The Association is in charge of managing the genetic selection of small ruminants in Italy. My duties in Assonapa include: running genetic evaluation for dairy (progeny test) and beef (performance test) sheep and goats, managing the conservation of local population at risk of extinction trough the monitoring of inbreeding and production of optimal mating plan, organizing and coordinating the National SCRAPIE eradication plan within the Herd-book populations, driving the transition to novel selection tools. I am also responsible of 6 Sheep Herd-books, 4 Goats Herd-Books and the National Register in which more than 60 local breeds are subscribed.

Finally I am responsible of the genetic Center of Asciano (Siena, Italy) where Massese and Comisana sheep breeds are improved by selection in Nucleus and of the Genetic Center of Bonassai (SS) performing progeny testing of Sarda Rams

In Assonapa more than 10 technicians are under my direct responsibility.

### **Italian Rabbit Association (ANCI)**

Since 2015 I took the Technical Direction of the Italian Rabbit Association (ANCI; [www.anci.it](http://www.anci.it)). Italy is the second country in the world for rabbit meat production and consumption.

The Association is in charge of managing the genetic selection of rabbit in Italy through the activity of the Rabbit Genetic Center of Volturara Apula (Foggia Italy).

In the Genetic Center three pure genetic lines: Bianca Italiana, Macchiata Italiana and Argentata Italiana are genetically improved trough traditional and innovative genetic schemes. I am also responsible of the National Register of local Breeds with 42 breeds subscribed

Seven technicians in ANCI are under my supervision.