



UNIVERSITY OF TURIN
DEPARTMENT OF VETERINARY SCIENCES
Largo Paolo Braccini 2 - 10095 Grugliasco (Torino)

Dr. LARA RASTELLO

PERSONAL INFORMATION

Born in 31/01/1997

Education:

- From November 2022 PhD Student in Veterinary Sciences for Animal Health and Food Safety at the Department of Veterinary Sciences of the University of Turin (Italy).

Project Title: Innovative feed ingredients in ruminant nutrition: digestibility, productive performance and animal-derived food products quality.

- In April 2022 Master's Degree in Animal Sciences curriculum Animal Nutrition and Feed Safety at the Department of Agricultural, Forest and Food Sciences of the University of Turin (Italy). Grade: 110L.

- From 2021 to 2022 Quality control operator in Liriodendro Farm, Borgaro (TO), Italy. Carried out tasks: animal feed administration, zootechnical practices, pig and poultry meat production, *Hazard Analysis and Critical Control Points (HACCP)* plan checking.

- From 2020 to 2021 Trainee in Azienda Sanitaria Locale TO3, Piosasco (TO), Italy. Carried out tasks: help in administrative work of import/export of animals from other countries; assessment of goats' welfare in compliance with the AWIN (Animal Welfare Indicators) protocol.

- In 2019 Bachelor's Degree in Production and Management of Domestic and Wild animals at the Department of Veterinary Sciences of the University of Turin (Italy). Grade: 106/110.

Language:

Native speaker: Italian.

Languages	Listening	Reading	Speaking	Writing
English	B2	C1	B2	B2
Spanish	B2	B2	B2	B2
German	A2	A2	A1	A1

(basic/A1-A2, good/B1, very good/B2, excellent/C1, fluent/C2)

Research activity: mainly concerns feeding and nutrition of ruminant animals with innovative feed ingredients, with special focus on animal digestibility, productive performance, and animal-derived food products quality.

Publications:

Scientific articles

Renna M., **Rastello L.**, Veldkamp T., Toral P.G., Gonzalez-Ronquillo M., Jimenez L.E.R., Gasco, L. (2023). Are insects a solution for feeding ruminants? Legislation, scientific evidence, and future challenges. *Animal Frontiers*, 13(4): 102-111. <https://doi.org/10.1093/af/vfad026>.

Renna M., **Rastello L.**, Gasco L. (2022). Can insects be used in the nutrition of ruminants? *Journal of Insects as Food and Feed* 8(10): 1041-1045. <https://doi.org/10.3920/JIFF2022.x006>.

Proceedings

Rastello L., Renna M., Schettino-Bermúdez B., Gutiérrez-Tolentino R., Castelán Ortega O.A., Robles-Jimenez L.E., González Ronquillo M. (2023). Composición química en leche y queso de ovejas suplementadas con insectos (Notonectidae spp.). Proceedings of the Primer Congreso UAM: Calidad e Inocuidad de los alimentos, 9th-10th November 2023, Mexico City, Mexico; in press. Oral presentation scheduled on 10th November 2023.

Renna M., Coppa M., Lussiana C., Le Morvan A., Gasco L., **Rastello L.**, Maxin G. (2023). In vitro rumen fermentation characteristics of defatted insect meals as compared to conventional plant-based meals. Proceeding of the 27th Congress of the European Society of Veterinary and Comparative Nutrition (ESVCN), 7th-9th September 2023, Vila Real, Portugal; p. 173.

Renna M., Coppa M., Lussiana C., Le Morvan A., Gasco L., **Rastello L.**, Claves J., Maxin G. (2023). Processing temperature of full-fat insect meals has limited effects on in vitro rumen fermentation characteristics. Proceeding of the 27th Congress of the European Society of Veterinary and Comparative Nutrition (ESVCN), 7th-9th September 2023, Vila Real, Portugal; p. 192.

Renna M., Coppa M., Lussiana C., Le Morvan A., Gasco L., **Rastello L.**, Maxin G. (2023). Defatted insect meals: impact on *in vitro* ruminal fermentation and lipid biohydrogenation. Proceedings of the 74th Annual Meeting of the European Federation of Animal Science (EAAP), 26th of August-1st September 2023, Lyon, France; p. 221.

Battaglini L.M., Miretti I., Giammarino M., **Rastello L.**, Audisio A., Renna M. (2023). Effect of the feeding system on the growth performance of Holstein Friesian calves in the pre-weaning period. Proceedings of the 25th Congress of the Animal Science and Production Association (ASPA), 13th-16th June 2023, Monopoli (BA), Italia; p. 202.

Renna M., Coppa M., Lussiana C., Le Morvan A., **Rastello L.**, Gasco L., Maxin G. (2023). Rumen lipid biohydrogenation of insect meals: results of an *in vitro* study. Proceedings of the 25th Congress of the Animal Science and Production Association (ASPA), 13th-16th June 2023, Monopoli (BA), Italia; p. 121.

Third Mission:

Co-author of 3 blogs in the [Animal Science and Production Association \(ASPA\) website](#), titled:

Renna M., **Rastello L.**, Gasco L. (2022). Use of insects in ruminant nutrition: characteristics of the *in vitro* rumen fermentation and lipid biohydrogenation. In the Animal Science and Production Association blog; <https://www.assaspa.org/post/insetti-alimentazione-ruminanti-caratteristiche>.

Renna M., **Rastello L.**, Gasco L. (2022). Pig manure for protein production. In the Animal Science and Production Association blog; <https://www.assaspa.org/post/allevamenti-sostenibili-liquame-suino>.

Renna M., **Rastello L.**, Gasco L. (2022). Protein biomass from fungi. In the Animal Science and Production Association blog; <https://www.assaspa.org/post/amido-patate-mangime-innovativo>.

Co-author of 1 blog in [Ruminantia website](#), titled:

Renna M., **Rastello L.**, Gasco L. (2023). Insect meal, evaluation of use in ruminant feed. In: Ruminantia. <https://www.ruminantia.it/farine-a-base-di-insetto-valutazione-dellutilizzo-nellalimentazione-dei-ruminanti/>.

Co-author of 1 article for Unitogether (www.unitogether.unito.it/), titled:

Renna M., **Rastello L.**, Gasco L. (2022). Is the use of insects in ruminant feeding possible?. Unitogether (under evaluation).

Signature:

A handwritten signature in black ink, appearing to read "Rastello L.", written in a cursive style.