



Matteo Cuccato

Date of birth: 16/04/1993 | **Nationality:** Italian | **Gender:** Male | (+39) 0116708017 |

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● EDUCATION AND TRAINING

01/11/2019 – CURRENT – L.go Braccini 2, Grugliasco, Italy

RESEARCH DOCTORATE IN VETERINARY SCIENCES FOR ANIMAL HEALTH AND FOOD SAFETY – University of Turin

Supervisor prof.ssa Francesca Tiziana Cannizzo
Animal pathology section

Keywords: NGS, antimicrobials, extracellular vesicles, milk, farm animals, transcriptomics
Application of NGS as a new approach to study antimicrobials effects on farm animals

10/10/2013 – 20/07/2018

MASTER DEGREE IN VETERINARY MEDICINE – University of Padua

Supervisor prof.ssa Alessandra Piccirillo

110/110 | Detection and characterization of β -lactamases producers Escherichia coli in broiler

● WORK EXPERIENCE

14/10/2018 – 15/07/2019 – Monselice, Italy

CLINICAL VETERINARIAN – CENTRO VETERINARIO MONSELICENSE (C.V.M.)

Work experience as small animals practitioner in an animal clinic.

● LANGUAGE SKILLS

Mother tongue(s): ITALIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Windows | R/R-Studio | Mendeley | Microsoft Office | macOS | Qiime2

● PUBLICATIONS

16S rRNA Sequencing Analysis of the Gut Microbiota in Broiler Chickens Prophylactically Administered with Antimicrobial Agents

Cuccato, M.; Rubiola, S.; Giannuzzi, D.; Grego, E.; Pregel, P.; Divari, S.; Cannizzo, F.T.

<https://www.mdpi.com/2079-6382/10/2/146> - 2021

Cuccato, M.; Rubiola, S.; Giannuzzi, D.; Grego, E.; Pregel, P.; Divari, S.; Cannizzo, F.T. 16S rRNA Sequencing Analysis of the Gut Microbiota in Broiler Chickens Prophylactically Administered with Antimicrobial Agents. *Antibiotics* **2021**, *10*, 146.

<https://doi.org/antibiotics10020146>

● CONFERENCES AND SEMINARS

16/10/2018 – 18/10/2018 – Rome

Trends of resistance to extended-spectrum β -lactams in commensal and clinical *Escherichia coli* from the broiler production pyramid.

Apostolakos I., Fasolato L., Cuccato M., Ferrareso J., Rizzo R., Zago M., Piccirillo A.

Trends of resistance to extended-spectrum β -lactams in commensal and clinical *Escherichia coli* from the broiler production pyramid. Proceedings of the 9th International Conference on Antimicrobial Agents in Veterinary Medicine (AAVM 2018), Rome, Italy, 16-18 October

2018. International Journal of Health, Animal Science and Food Safety (HAF), V (No 35): 33.

14/09/2018 – Parma

Occurrence of β -lactam resistant *Escherichia coli* along the broiler production chain.

Apostolakos I., Fasolato L., Cuccato M., Ferrareso J., Rizzo R., Zago M., Piccirillo A.

Occurrence of β -lactam resistant *Escherichia coli* along the broiler production chain.

Atti III Simposio Scientifico Società Italiana di Patologia Aviaria (SIPA), Parma, 14 Settembre 2018, pp. 87-92.

● PROFESSIONAL SKILLS

Technical and laboratory skills

Molecular biology: nucleic acid extraction and purification, cDNA synthesis, end-point PCR, qPCR, ddPCR, primers design.

Proteomics: proteins extraction and quantification, western blot, MALDI-TOF.

Histology: immunohistochemistry.

Bioinformatics: RStudio basics, cutadapt, trimmomatic, Qiime2 pipeline, FastQC.

Other: extracellular vesicles isolation and characterisation, animal necropsy.