



# Matteo Cuccato

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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  $\beta$ -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	
<b>ENGLISH</b>	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

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

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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

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16/10/2018 – 18/10/2018 – Rome

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

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

Trends of resistance to extended-spectrum  $\beta$ -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 3S): 33.

14/09/2018 – Parma

### **Occurrence of $\beta$ -lactam resistant *Escherichia coli* along the broiler production chain.**

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

Occurrence of  $\beta$ -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

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### **Technical and laboratory skills**

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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.