

PERSONAL INFORMATION

Luca Bertola

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WORK EXPERIENCE

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10/2020-Ongoing

PhD candidate - Veterinary and animal science, XXVI Cycle

Università degli studi di Milano

Research project: *Characterization of the immune response in experimental mouse models*

17/11/2021-Ongoing

ECVP (European college of veterinary pathologists) Resident

ECVP training at the necroscopic, histologic and cytologic diagnostics service of the Veterinary Teaching Hospital, University of Milan. Program director: Prof. Paola Roccabianca.

10/2018-10/2020

Intern

Mouse And Animal Pathology Lab (MapLab), Milano

Technical duties of an anatomic pathology laboratory: fixation, trimming, inclusion, microtome cutting, histochemical and immunohistochemical staining. Histopathological descriptions and reports. Use of digital imaging software (ImageJ / NDPview)

EDUCATION AND TRAINING

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09/2015-10/2020

Degree in Veterinary Medicine (110/110 *cum laude*), Università degli studi di Milano.

Thesis: Looking for prognostic pathological features of canine mast cell tumor according to sentinel lymph node metastatic status.

Tutor: Dr. Camilla Recordati

2010-2015

Diploma Maturità classica, Centro salesiano Don Bosco

## Publications

Cappelleri A, **Bertola L**, Caniatti M, Recordati M. Diagnostic challenge in veterinary pathology: Disseminated tumor in a young dog. *Veterinary pathology*. 2021.

**Bertola L**, Cappelleri A, Tomba RMA, Dotti E, Caniatti M, Dall'Ara P, Recordati C. Vaccine-associated anaphylactic shock in a Springer Spaniel dog with arrhythmogenic right ventricular cardiomyopathy. *Journal of comparative pathology*. 2022

Epis S, Varotto Boccazzi I, Manenti A, Rubolini D, Gabrieli P, Cattaneo GM, Gourlay L, Dapporto F, Monti M, Razzano I, Leonardi M, Iannacone M, Recordati C, **Bertola L**, Fiorina P, Marvasi L, Montomoli E, Zuccotti G, Bandi C. Efficacy of mucosal vaccination using a protozoan parasite as a vehicle for antigen delivery: IgG and neutralizing response after rectal administration of LeCoVax-2, a candidate vaccine against COVID-19. *Pharmacological research*. 186, 2022.

## Oral Presentations and Posters

**Bertola L**, Belotti M, Barisani C, Schirru F, Rosignoli P, Riccaboni P. Unexplained increase in calf mortality: importance of application of guidelines to forensic necropsy. 74° Congresso SISVET, 23-26th June 2021. (Poster)

Cappelleri A, Recordati C, **Bertola L**, Birolini G, Valenza M, Cattaneo E, Savino B, Bonecchi R, Varanita T, Szabo I, Scanziani E. Spontaneous mucinous metaplastic changes in the stomach of laboratory mice. 74° Congresso SISVET, 23-26th June 2021. (Awarded best poster AIPVET)

**Bertola L**, Pellizzoni B, Cappelleri A, Camin F, Ferrari R, Chiti LE, Stefanello D, Manfredi M, De Zani D, Giudice C, Grieco V, Lecchi C, Recordati C. Canine mast cell tumor-immune system interaction: an immunohistochemical investigation of tumor infiltrating T cells. 4<sup>th</sup> ESVP, ECVP and ESTP Cutting Edge Pathology Congress Virtual Congress, 15-17<sup>th</sup> September 2021. (Poster)

**Bertola L**, Sarzì AM, Ferrari R, Chiti LE, Stefanello D, Manfredi M, De Zani D, Giudice C, Grieco V, Cecilian F, Lecchi C, Recordati C. Evaluation of immune checkpoints in canine mast cell tumors: PD-L1 and CD86 are overexpressed in cutaneous mast cell tumors. 4<sup>th</sup> ESVP, ECVP and ESTP Cutting Edge Pathology Congress Virtual Congress, 15-17<sup>th</sup> September 2021. (Oral presentation). Awarded best short communication of the congress.

**Bertola L**, Turchetti S, Gini C, Ferrari R, Chiti LE, Stefanello D, Manfredi M, De Zani D, Cecilian F, Recordati C, Lecchi C. miR-21 expression in sentinel lymph nodes as biomarker of nodal metastasis in dogs with cutaneous mast cell tumors. 4<sup>th</sup> ESVP, ECVP and ESTP Cutting Edge Pathology Congress Virtual Congress, 15-17<sup>th</sup> September 2021. (Poster)



Baracchetti L, Giudice C, Mauro A, Savov S, Brioschi F, Rabbogliati V, **Bertola L**, Bronzo V, Romano M. Vitrectomy under temperature control: preliminary study in rabbit. European college of veterinary ophthalmologists annual meeting, 2<sup>nd</sup>-5<sup>th</sup> June 2022. (poster)

**Bertola L**, Pepe G, Dolce A, Cappelleri A, Canesi S, Moretti P, Giordano A, Scanziani E, Vegeto E, Recordati C. Sex dependent modulation of caerulein-induced pancreatitis in C57BL/6 mice. 75° Congresso SISVET, 15-18th June 2022 (poster)

Cappelleri A, Canesi S, **Bertola L**, Capo V, Villa A, Recordati C, Scanziani E. Histological and immunohistochemical characterization of pulmonary lesions in CD40LKO mice experimentally infected with *Pneumocystis murina*. 75° Congresso SISVET, 15-18th June 2022 (Oral presentation)

#### Seminars and Specialisation courses

Introductory course to animal experimentation, Istituto di Ricerche Farmacologiche Mario Negri-IRCCS, 14-16<sup>th</sup> December 2020.

Animal models of Human Disease: Zebrafish as an animal model to study human diseases, PhD catalogue course, 22-26<sup>th</sup> January 2021.

Digital imaging and image integrity in scientific publication, PhD catalogue course, 22-26<sup>th</sup> February 2021

ESTP webinar: “Veterinary and Toxicologic Pathology: Immune system”, 7<sup>th</sup> May 2021

ESTP scientific seminar: “Classic Examples of Toxicologic Pathology XXVIII”, 11-12<sup>th</sup> March 2021

**Congresses** 74° convegno SISVET, 23-26<sup>th</sup> June 2021

4<sup>th</sup> ESVP, ECVP and ESTP Cutting Edge Pathology Virtual Congress, 15-17<sup>th</sup> September 2021.

**Memberships** Member of the Italian veterinary pathology association (Associazione Italiana di Patologia Veterinaria -AIPVet)

**Teaching activity** 9/12/2021 - Course of veterinary biotechnology sciences  
Immune checkpoint molecules in canine cancers

Co-supervisor of thesis entitled: “Tumor-Immune System Interaction: Immunohistochemical Investigation of Tumor Associated Macrophages and Tumor Infiltrating Lymphocytes in Canine Mast Cell Tumor”. Supervisor, Prof Valeria Grieco, Candidate: Dr. Benedetta Pellizzoni

Co-supervisor of thesis entitled: “Histological and immunohistochemical evaluation of the abomasum of dairy cattle during *Helicobacter* spp. infection”. Supervisor Prof Pietro Riccaboni, Candidate Dr. Elisa Dalzovo

## PERSONAL SKILLS

Mother tongue

Italian

Other language

UNDERSTANDING

SPEAKING

WRITING

English

Listening

Reading

Spoken interaction Spoken production

B2

B2

B2

B2

B2