

SECTION 1 – PERSONAL DETAILS, QUALIFICATIONS AND EXPERIENCE

1.1 PERSONAL DETAILS

Nationality: Italian (Permanent Resident UK; Settled Status UK)

1.2 FURTHER/HIGHER EDUCATION

2005	DVM (MVB) (Doctor in Veterinary Medicine) full marks with honours (<i>cum laude</i>) University of Pisa, Faculty of Veterinary Medicine (IT)
2009	PhD in Veterinary Medicine (Veterinary Pathology) University of Pisa, Faculty of Veterinary Medicine (IT)
2011	MRCVS (Member of the Royal College of Veterinary Surgeons)
2014	CPS (Certificate in Professional Studies in Learning and Teaching) <i>with Distinction</i> University of Liverpool, Faculty of Humanities and Social Sciences
2014	FHEA (Fellow of the Higher Education Academy)
2015	DipIECVP (Diplomate of the European College of Veterinary Pathologists) ECVP (European College of Veterinary Pathologists)
2015	European Veterinary Specialist in Pathology EBVS (European Board of Veterinary Specialisations)
2015	RCVS Specialist in Veterinary Pathology Royal College of Veterinary Surgeons
2021	ECVP-CFVP (ECVP Certificate in Forensic Veterinary Pathology) European College of Veterinary Pathologists

1.3 OTHER TRAINING AND QUALIFICATIONS

1.3.1 MEMBERSHIP OF PROFESSIONAL BODIES

Since 2006	European Society of Veterinary Pathology (ESVP)
Since 2009	European Society of Veterinary Oncology (ESVONC)

1.4 EMPLOYMENT RECORD

May 2009 – May 2011	Research Centre “E. Menni” (Certified UNI EN ISO 9001:20000); Fondazione Poliambulanza- Istituto Ospedaliero, Brescia (IT) Role: Head of Histopathology unit / Researcher
May - Nov 2011	Centro Oncologico Veterinario (COV), Sasso Marconi, Bologna, (IT) Role: Principal Diagnostic Veterinary Pathologist

Nov 2011 – Oct 2015	University of Liverpool, School of Veterinary Science (UK) <u>Role:</u> Lecturer in Veterinary Pathology
Oct 2015 – Dec 2019	University of Liverpool, School of Veterinary Science (UK) <u>Role:</u> Senior Lecturer in Veterinary Pathology
Dec 2019 – Present	University of Liverpool, School of Veterinary Science (UK) <u>Role:</u> Professor of Veterinary Pathology
Oct 2017 – Present	University of Liverpool, School of Veterinary Science (UK) <u>Role:</u> Head of Department – Veterinary Pathology and Public Health (2017-2019) – Veterinary Anatomy Physiology and Pathology (2020 – present).

1.5 TEACHING EXPERIENCE AND ACTIVITY

1.5.1 PAST TEACHING

1.5.1.1 Undergraduate students

1.5.1.1.1 University of Pisa, Faculty of Veterinary Medicine (IT); Degree in Veterinary Medicine (DVM) (5 years); Module: General Pathology; 2nd year

Length of course	1 semester
Class Size	90 Students (9 groups of 10 students each)
Teaching load	2 h practical activity x group (18 hours)
Topics taught	Laboratory techniques applied to diagnostic pathology methods (ELISA, SDS page, Immunohistochemistry with practical demonstration and student assessment)
Academic year(s)	2005-2006; 2006-2007; 2008-2009

1.5.1.1.2 University of Torino, Faculty of Veterinary Medicine (IT); Degree in Veterinary Medicine (DVM) (5 years); Module: Veterinary Pathology; 3rd year (VISITING PROFESSOR)

Length of course	16 hours
Class Size	110 students
Teaching load	8 h Lectures on different topics of Forensic Pathology; 8 h Practical class necropsy (Groups of 10 students) and forensic cases investigation
Topics taught	Forensic Veterinary Pathology
Academic year(s)	2018-2019
Novel aspects	First time in Europe for the introduction of Forensic Veterinary Pathology Teaching within the undergraduate course of Veterinary Medicine

1.5.1.1.3 University of Warmia and Mazury Olsztyn (POLAND); Veterinary Medicine Degree 5th year.
VISITING PROFESSOR - EUROPEAN UNION FUNDED PROJECT (Powr.03.05.00-00-Z310/17)

Length of course	32 Hours (16 hours per group)
Class Size	20-30 Students
Teaching load	14 hours (lecture) + 2 hours practical
Topics taught	1. Introduction to Cytology 2. Normal cytology of cells & distribution in body systems 3. Cytology of epithelial neoplasms 4. Cytology of round cell neoplasms 5. Cytology of the lymph-node 6. Cytology of mesenchymal neoplasms 7. Practical: Digital Slides cases discussion
Academic year(s)	2018-2019
Novel aspects	• Use of sketches/cartoons for cell-type recognition (see Section 2 Books) • Use of Digital Pathology Virtual Slides for cases interactive discussion (one student describing – the others discussing).

1.5.1.1.3.1 University of Liverpool; Institute of Veterinary Science; Bachelor in Veterinary Science; TBL
(Team Based Learning). 2nd and 3rd year.

Length of course	3 weeks (per scenario)
Class Size	140-170 Students (divided in groups of 10)
Teaching load	• Preparation: Reading of literature related to the topic (week 1) • Formative assessment related to the topic (MCQs) (week 2) • Case study related to the topic (week 3)
Topics taught	Facilitator of 1 or 2 Case(s) study related to Neoplasia topic per semester
Academic year(s)	2015-17 - Discontinued
Novel aspects	• Novel teaching method that favours engagement and participation in a small team environment (e.g. simulating the real environment of a clinic) • Research led teaching aspect (current literature reading/critical evaluation) • Problem solving activity enhancement • Team work approach

1.5.1.2 **Postgraduate students**

1.5.1.2.1 University of Pisa, Faculty of Veterinary Medicine (IT); Master in Veterinary Oncology (Msc);
Module: Diagnostic Cytopathology in Veterinary Oncology

Length of course	Academic year (4 full days per month)
Class Size	20-30 Students
Teaching load	2 hours (lecture) + 2 hours practical x topic
Topics taught	1. Introduction to Cytology 2. Cytology of epithelial neoplasms 3. Cytology of round cell neoplasms 4. Cytology of the lymph-node 5. Cytology of mammary gland neoplasms 6. Cytology of bone and joints 7. Cytology of the urinary tract neoplasms

Academic year(s)	2007-2008; 2008-2009; 2009-2010
Novel aspects	• Use of sketches/cartoons for cell-type recognition (aspect further developed later in my 2010 book and translations – see Section 2) • Flow-charts and diagnostic algorithms • Practical classes with the use of cytological slides on a time based (12 minutes per slide) rotation scheme between microscope stations, with final discussion on video-microscope

1.5.2 PRESENT TEACHING

1.5.2.1 Undergraduate students

1.5.2.1.1 University of Liverpool

1.5.2.1.1.1 Institute (later School) of Veterinary Sciences – Bachelor in Veterinary Science (BVSC)

1.5.2.1.1.1.1 **Module: VSCI200 Disease Mechanism: General Pathology – 2nd Year**

Length of course	1 academic year
Class Size	140-170 Students (depending on the year)
Teaching load	• <u>Lectures</u>: 4 hours per Topic
Topics taught	• Disturbances of Tissue Growth and Musculoskeletal system lectures
Academic year(s)	2012-Ongoing
Novel aspects	• In-lecture class tests at the end of the topic • Lecture notes/handouts/material designed to accommodate the needs of different learners' styles (visual, kynesthetic, reading-writing preference)
Course development	• Further optimisation and integration between Pathology and other subjects • From 2019 (New Subject Lead appointed): Histology delivered as Virtual Slides in class with option for the students to follow on their devices, and annotate; 3D models used in lectures and practicals since 2022.

1.5.2.1.1.1.2 **Module: Veterinary Pathology: Pathology I (VETS353) and Pathology II (VETS363) [Old Curriculum] and VSCI300 Clinical Application – [New Curriculum]; 3rd Year**

Length of course	1 academic year
Class Size	140-170 Students (depending on the year)
Teaching load	• <u>Lectures</u>: 4-5 hours per topic (organ/system) • <u>Histology practical classes</u>: 2 large groups with microscopes and slides: 2 hours per topic • <u>Gross classes</u>: small group teaching with macroscopic tissues and organs (4 classes per group) • <u>Necropsy classes</u>: small group teaching with large and small animal necropsy to perform
Topics taught	• Musculoskeletal system: ○ Lectures ○ Practical class • Gross classes (3 groups on a rota basis) • Necropsy Classes (1 group per semester on a rota basis)
Academic year(s)	2012-Present

Novel aspects	• More integrated approach between different subjects with avoidance of repetitions/introductory lectures • MOCK exam with integrated assessment: OSPE (Objective Structured Preclinical Examinations) and SPOTs assessments • Lecture notes/handouts/material designed to accommodate the needs of different learners' styles (visual, kynaesthetic, reading-writing preference)
Course development	• Further optimisation and integration between Pathology and other subjects • From 2019 (New Subject Lead appointed): Gross and Histo Classes have been merged into "Descriptive" classes, with more focus on OSPE simulation (gross+histo in a clinical case scenario); Histology delivered as Virtual Slides in class with option for the students to follow on their device, and annotate; 3D gross pathology models implemented in 2021.

1.5.2.1.1.1.3 Module: VSCI200 Disease Mechanism: Literature Review 2nd year

Length of course	10 weeks, 1 day per week
Class Size	Supervision of 1-3 students
Teaching load	• Supervision of students in all the phases of the project including: ○ Choosing the subject that can fit the topic of the 3rd year project ○ Feedback on the Review ○ Evaluation of the Review (with another blind reviewer)
Topics taught	• Small reviews on topics that are part of the diagnostic/research activity of the Department. These reviews constitute the basis of the 3rd year project (1.2.2.1.1.1.4)
Academic year(s)	2012-Present

1.5.2.1.1.1.4 Module: VSCI300 Clinical Application: Research Project (VETS362 OLD CURRICULUM); 3rd year

Length of course	10 weeks, 1 day per week
Class Size	Supervision of 1-3 students
Teaching load	• Supervision of students in all the phases of the project including: ○ Literature analysis / Planning / Samples retrieval ○ Performing experimental procedures / Sample interpretation ○ Producing data ○ Data analysing / summarising / statistical analysis ○ Draft production
Topics taught	• Small research retrospective projects mainly focused on histopathology of tumours of domestic animals with analysis of prognostic/predictive markers or phenotypical/immunophenotypical features.
Academic year(s)	2012-Present
Novel aspects	• Research project designed as a proper real project leading to a Paper-styled draft • Full involvement of the Student in all the activities of the research with as much as possible responsibility • When the outcome is publishable, the student is active part of the paper and contributing as one of the Authors.
Course development	• Since 2018 joint research projects (e.g. clinics + pathology) with other departments to maximise the output and include a team-work component for the students.

1.5.2.1.1.1.5 Module: Clinical Pathology Rotation (BVSC420): 4th year

Length of course	All year: 1 week (per group); all academic year
Class Size	4-5 students per group
Teaching load	1 week every 5 weeks during all the academic year. (Integrated into the Diagnostic Service Activity) - Continuous assessment during the week
Topics taught	- Post mortem examination technique, diagnostic cytology, histopathology and bacteriology skills - Shadowing and contributing to activities of Pathology (Post mortems, Histopathology) Clinical Pathology and Bacteriology diagnostic service - Clinical pathology cases discussion at multihead microscope - Pathology cases to discuss and summarise at the end of the week
Academic year(s)	2013-Present
Novel aspects	Full immersion in real cases from the briefing to the actual post mortem examination to the preliminary results, with involvement in discussion related to pathogenetic hypotheses/differential diagnoses. Integration with microbiology rotation (same case observed from different angles of the diagnostic approach).
Course development	2018: Introduction of Wildlife Pathology into the rotations with maximisation of student experience for Chester Zoo caseload. 2019-20 Experimental implementation of "Gameology" Pathology Game during quiet phases of rotation for self assessment.

1.5.2.1.2 Institute of Life Sciences- Bioveterinary Science

1.5.2.1.2.1 **Module: Pathologic basis of Animal Disease (LIFE240); 2nd year**

Length of course	Academic year
Class Size	20-30 Students (depending on the year)
Teaching load	<u>Lectures</u>: 3 hours per topic (organ/system)
Topics* taught	Disturbances of Tissue Growth (Neoplasia)
Academic year(s)	2013-Present
Novel aspects	- Use of animated pathways and cartoons (originally created) to help in understanding complex processes - Lecture notes/handouts/material designed to accommodate the needs of different learners' styles (visual, kynesthetic, reading-writing preference)
Course development	- Introducing small group teaching strategy due to small number of students to maximise learning and teaching process - Experimentation of "smart card role play" approach (in progress)

1.5.2.2 **Postgraduate students**1.5.2.2.1 University of Liverpool; Institute (later School) of Veterinary Science - Residency in Veterinary Pathology (ECVP accredited training centre)

Length of course	3 years (Residents Rolling on a 3 year basis)
Class Size	4 PG Students (Residents)
Teaching load	1 in 5 weeks on a Rota basis; All the year (Integrated into the Diagnostic Service Activity) <u>Practical Training</u>: Taking responsibility for post mortem examinations and diagnostic surgical samples supervised by a senior pathologist

	• <u>Descriptive Histopathology sessions (weekly)</u>: Histological descriptions of slides at the multihead microscope with supervision of senior pathologists • Journal Clubs: summary/discussion of papers that constitute the reading list for ECVP examination
Topics* taught	• Histopathology and Gross Pathology descriptive skills through real diagnostic cases and archive material • Comprehensive Pathology skills through supervision of research activity
Academic year(s)	2012-present
Novel aspects	• Use of “smart cards” for some of the topics of the theoretical preparation of the ECVP exam
Course development	• Creation of more structured MOCK exams for Histopathology and creation of an archive of lesions with descriptions.

1.5.2.2.2 European College of Veterinary Pathologists; ECVP/ESVP Summer School in Veterinary Pathology

Length of course	2 weeks
Class Size	60-90 Students
Teaching load	• 1 full day of Lectures to cover the most relevant topics of Veterinary Forensic Pathology for the Residents of the ECVP College, focussed on Board Exam Preparation.
Topics taught	• The Forensic Necropsy, Blunt Force Trauma, Sharp Force Trauma, Thermal Injuries, Neglect, Firearm wounds, Court case studies.
Academic year(s)	2015-Present (Forensic pathology subject runs every 4 years in the Summer School Programme)

1.5.2.2.3 University of Utrecht; School of Veterinary Science – Summer School in Veterinary Forensic Science

Length of course	2 weeks
Class Size	25 Students
Teaching load	• 1 half day of Lectures to cover the relevant topics of Veterinary Forensic Pathology followed by half day Forensic Necropsy Practical • Following day: Self study (Writing of the Necropsy report), and final discussion over the reports with Feedback.
Topics taught	• The Forensic Necropsy, Blunt Force Trauma, Sharp Force Trauma, Thermal Injuries, Neglect.
Academic year(s)	2018-Present
Novel aspects	• Use of simulated Forensic Cases material (cadavers)

1.5.3 **TEACHING EVALUATION**

1.5.3.1 EvaSys Teaching Evaluation (2018-19; VetSci 200/300) [4.24/5 Average]

<u>Parameter/Question</u>	<u>Evaluation</u> (29.1% of the students via Survey). Score 0-5
I feel engaged in classes delivered by this teacher	4.4 (dev 0.7)
I learn well in activities delivered by this teacher	4.1 (dev 0.9)
The content delivered by this teacher is explained at a level I could understand	4.4 (dev 0.7)
The learning resources provided by this teacher are presented well	4.2 (dev 1)

The learning activities delivered by this teacher enable me to meet the learning outcomes	4.1(dev 0.9)
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1.6 LEADERSHIP, PROFESSIONAL AND COLLEGIAL EXPERIENCE

1.6.1 LEADERSHIP TRAINING

1.6.1.1 Internal (UoL)

- 1.6.1.1.1 *Leading at Liverpool: a coaching approach*; HoD Training Course – University of Liverpool – 2017-2018 Academic Year
- 1.6.1.1.2 *Strategic Planning and Legal Responsibilities*; HoD Training Course – University of Liverpool – 2017-2018 Academic Year
- 1.6.1.1.3 *Enhancing performance*; HoD Training Course – University of Liverpool – 2017-2018 Academic Year
- 1.6.1.1.4 *Leading effective Teams*; HoD Training Course – University of Liverpool – 2017-2018 Academic Year
- 1.6.1.1.5 *Leading change*; HoD Training Course – University of Liverpool – 2017-2018 Academic Year
- 1.6.1.1.6 *Building impactful relationships*; HoD Training Course – University of Liverpool – 2017-2018 Academic Year
- 1.6.1.1.7 *Decision Making for Institutional Success*; HoD Training Course – University of Liverpool – 2017-2018 Academic Year
- 1.6.1.1.8 *Resilience Training* – Organised by RCVS, University of Liverpool – April-August 2019

1.6.1.2 External

- 1.6.1.2.1 *Leadership and Management Skills* – ACM Training – London – 20th March 2019
- 1.6.1.2.2 *Motivational Skills Development* – London Business Training and Consulting (LBC) – 19th January 2019
- 1.6.1.2.3 *Time management Skills* (On site Leahurst course for Department academics) – ACM Training- 13-01-22

1.6.2 LEADERSHIP ROLES

- 1.6.2.1 **Research Centre “E. Menni”** (Certified UNI EN ISO 9001:20000) Fondazione Poliambulanza-Istituto Ospedaliero, Brescia (IT)

1.6.2.1.1 Head of Research Histopathology Unit

Description	CREM Histopathology unit performed morphological investigations (Histology, Histochemistry, Immunohistochemistry, In Situ Hybridization) in support to the Research centre projects and/or for external collaborations/services
Duration	2009-2011
People managed	1x Veterinary Pathologist 2x Lab Technicians
Responsibilities	• Project planning of tasks within discussed deadlines • Coordinating staff and resources • Identification of limiting factors, planning developments • Planning equipment maintenance/renewal/upgrade • Staff training/continuous professional development
Referring to	Research centre Director

1.6.2.1.2 Responsible for staff training and CPDs (Research Lab)

Duration	2010-2011
People managed	5x Researchers 4x Lab Technicians
Responsibilities	• Identification of critical points for staff in relation to laboratory procedures • Establishing contacts with training providers to solve critical points • Monitoring performance improvement of staff in relation to critical points • Summarising (Report) yearly in relation to CPD training of the Research Centre staff to the Hospital
Referring to	Research Centre Director / Human Resource Director

1.6.2.2 University of Liverpool, Institute (later School) of Veterinary Science, (UK)**1.6.2.2.1 VETS 363 [Veterinary Pathology – Old Curriculum] Module Coordinator**

Description	Module Coordinator for the teaching module VETS363 (Veterinary Pathology)
Level	Institute level
Duration	Academic year 2012-13
People managed	5x Academics
Responsibilities	• Updating module specifications / learning outcomes • Timetabling for lectures and activities • First point of contact for students in relation to VETS363 module activity • Creation of a MOCK exam (formative assessment) • Creation of written and practical final year exam (assessment) • Creation of written and practical resit exams • Invigilation at exams • Interaction/discussion with external examiner • Attendance at final year Module Board committee
Referring to	Year coordinator / Head of Veterinary Education

1.6.2.2.2 Head of Immunohistology and Electron Microscopy services (VLS)

Description	Immunohistology and Electron Microscopy services (part of VLS) offer diagnostic/prognostic services and research services to external clients (UK and overseas), internal clients (e.g. hospitals) and Research Institutes
Level	Institute level
Duration	2012-Present (Electron Microscopy discontinued in 2020).
People managed	5x Technicians 3x Veterinary Pathologists
Responsibilities	• Coordinating workflow through deadlines • Quality control of the processes • Supervising / Training staff (Veterinary Pathologists) • Establishing networks for diagnostic and research service activities (KE) • Planning development (technical, instrumentation) in line with up-to date / state of the art techniques/methods
Referring to	Head of Department / Head of VLS Business Plan

1.6.2.2.3 Head of VLS (Veterinary Laboratory Services) Business Plan

Description	VLS (Veterinary Laboratory Services) provides a wide range of services (Post Mortem examinations, Histopathology, Immunohistochemistry, Electron Microscopy, Bacteriology, Mycoplasma, Entomology, Forensic Pathology) to internal (hospitals) and external clients (UK and Overseas) as well as Research institutes (service based research histology, immunohistochemistry and electron microscopy).
Level	Institute level
Duration	2013-Present
People managed	2x Clericals 12x Technicians 7x Academics 5x Residents
Responsibilities	- Managing Business Plan VLS activities (~250K annual income) according to the recommendations of the University strategy plan - Responsible for VLS account management - Planning Staff recruitment (FTE) together with the Head of Institute - Forecast of income and expenditures - Capital planning for facilities and instrumentation - Analysis of potential expansion within the market linked with strategic investments (e.g. Robotic IHC Autostainer in 2015; MALDI ToF in 2018) - Strategic decision making in a timely manner - Managing potential staff critical interactions
Referring to	Head of School Business Plans / Head of School

1.6.2.2.4 Head of Department of Veterinary Pathology and Public Health (later: Department of Anatomy Physiology and Pathology).

Description	Head of Department
Level	Faculty level
Duration	2017-present (2017-18; confirmed 2018-21; 2020-present: HoD of VAPP)
People managed	36 Academics (directly managed) and Professional Service (indirectly managed) Staff
Responsibilities	- Provide strategic direction, vision and management to the Department - Promote excellence in Learning and Teaching - Ensure development maintenance and quality of paraclinical programmes - Responsibility for the diagnostic services in order to maximise teaching resources - Promote research collaboration and provide research leadership - Ensure that academic plans and performance targets for the programme are delivered monitored and reported to the HoI - Contribute to on-going systematic review process for BVSc curriculum - Manage academic and non-academic staff in the Dept to ensure performance targets are met - Mentor all Departmental staff to generate collegiality within the department
Referring to	Dean of School and Institute; VSET (Veterinary School Executive Team)

1.6.3 PROFESSIONAL AND COLLEGIAL EXPERIENCE

1.6.3.1 Scientific Committee membership

Committee	Year
ESVONC congress 2015 – Scientific Committee	2015
University of Liverpool – Clinical Research Project Grant – Selection Committee	2016
Appointed Member for the Italian Research and University Evaluation Agency (ANVUR)	2016

For Italian research system for the period 2011-2014	
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1.6.3.2 Veterinary Pathology (Journal) - Editorial Board Member

Description	Editorial Board membership
Level	International - Editorial
Duration	2016-Present
Responsibilities	Contributing to the strategy of the Journal, suggesting topics, contributing to review process and supporting the Journal mission.
Referring to	Veterinary Pathology - Editor in Chief

1.6.3.3 ECVP Chair of the Certificate in Forensic Veterinary Pathology Steering Group (Responsible for the Forensic Veterinary Pathology Certificate)

Description	Editorial Board membership, involved in strategy for the Journal aims, scopes.
Level	International - Editorial
Duration	2019 (member of the committee) – 2022-present (acting as Chair)
Responsibilities	Leading the CFVP (Certificate in Forensic Veterinary Pathology) Steering Group insuring all the processes related to the evaluation of candidates submitting application for the CFVP certification are performed. Quality control and SOP generation.
Referring to	Head of ECVP Educational Committee – ECVP Council

1.6.3.4 PGR Student Exam/Viva Committee Member

Type	Role	University	Candidate	Thesis title	Year	Outcome
MSc	Ext Examiner	University of Queensland	Meity Marviana Laut	<i>Role of Ephrin receptors and ephrins as a potential therapeutic targets in canine osteosarcoma</i>	2015	Awarded
PhD	Ext Examiner	University of Perugia	Serenella Silvestri	<i>Exploring new potential prognostic factors in canine melanocytic tumours</i>	2017	Awarded
MPhil	Ext Examiner	University of Cambridge	Chiara Talamonti	<i>Evaluation of the microenvironment and immune function in Histiocytic Sarcoma, a tumour of dendritic cells'</i>	2018	Awarded
PhD	Int Examiner	University of Liverpool	Djirackor Luna	<i>Phenotypic profile and role of cancer stem cells in uveal melanoma</i>	2018	Awarded
PhD	Ext Examiner	University of Surrey	Taranpreet Singh Rai	<i>Artificial intelligence for necrosis and mitosis detection</i>	2022	In progress

1.6.3.5 Reviewer “ad-hoc” roles for Peer Reviewed international Journals

Journal	Role
The Veterinary Journal	Reviewer

Veterinary and Comparative Oncology	Reviewer
Journal of Feline Medicine and Surgery	Reviewer
Equine Veterinary Education	Reviewer
Canadian Veterinary Journal	Reviewer
PLOS one	Reviewer
Veterinary Record	Reviewer
Veterinary Pathology	Reviewer (Forensic Pathology)
Companion Animal	Reviewer (Forensic Pathology)
Animals	Reviewer
Veterinary Sciences	Reviewer
Journal of Small Animal Practice (JSAP)	Reviewer
Journal of Forensic Medicine and Science	Reviewer (Forensic Pathology)
Avian Pathology	Reviewer (Electron Microscopy)

1.7 RESEARCH EXPERIENCE AND IMPACT ACTIVITY

1.7.1 REF 2014 and 2021 STATUS: Returned

1.7.2 GRANTS APPLICATION: 13 Grants (>£10k) between 2013 and 2020

1.7.3 GRANTS AWARDED (>£10K)

In addition to the ~300K income generated per annum through the VLS activity (1.6.2.2.3), the following Grants have been awarded:

	<u>Role</u>	<u>Title</u>	<u>Funder</u>	<u>Date from</u>	<u>Date to</u>	<u>Grant value</u>
1.7.3.1	PI	<i>Establishing and validating different histology-based approaches to quantitatively assess efficacy of therapies in an animal model of ischemia reperfusion injury (IRI)</i>	Alder Hey Children's Kidney Fund (NHS)	01.10.2020	01.10.2023	130,866 £
1.7.3.2	CoI	<i>Developing novel tools and technologies to assess the safety and efficacy of cell-based regenerative medicine therapies, focusing on kidney disease RenalToolBox</i>	EUROPEAN COMMISSION	31.10.2018	31.10.2022	1,039,600 £
1.7.3.3	CoI	<i>Investigation into the pathogenesis of exercise induced pulmonary haemorrhage (EIPH) and exercise associated fatal pulmonary haemorrhage (EAFPH) in racing horses. Two different diseases?</i>	HORSERACE BETTING LEVY BOARD (UK)	01.07.2018	30.06.2022	146,904 £
1.7.3.4	CoI	<i>Investigating how cell based regenerative medicine therapies modulate T-cells and macrophages to ameliorate acute kidney injury</i>	KIDNEY RESEARCH UK (UK)	01.04.2018	31.10.2020	151,190 £
1.7.3.5	CoI	<i>Investigating the potential of cell-based regenerative medicine therapies to ameliorate acute kidney injury and prevent progression to chronic disease</i>	KIDNEY RESEARCH UK (UK)	16.04.2018	15-JUL-19	40,000 £
1.7.3.6	PI	<i>Studies on equine cutaneous mast cell tumours and the interaction of mast cells and eosinophils in associated eosinophilic granulomas</i>	MINISTRY OF HIGHER EDUCATION (LIBYA)	01.10.2014	30.09.2017	30,000 £
1.7.3.7	CoI	<i>Genomics and host-pathogen interaction towards one-earth concept</i>	EUROPEAN RESEARCH COUNCIL	01.02.2013	01.02.2016	125,627 €
1.7.3.8	CoI	<i>Regenerative Medicine Platform in Stem Cell Safety Science</i>	MEDICAL RESEARCH COUNCIL	01.06.2013	31.03.2018	1,486,029 £

1.7.4 MINOR GRANTS AND AWARDED PROJECTS (<£10K)

	<u>Role</u>	<u>Title</u>	<u>Funder</u>	<u>Date from</u>	<u>Date to</u>
1.7.4.1	PI	<i>CD117 Expression patterns in Equine Mast Cell Tumours</i>	Wellcome Trust	30.07.2012	02.11.2012
1.7.4.2	PI	<i>Mind the gap: are epithelial tight junctions disrupted in dogs with protein losing enteropathy?</i>	Wellcome Trust	01.07.2013	01.10.2013
1.7.4.3	PI	<i>New methods of evaluating cases of protein-losing enteropathy (PLE) in companion animals.</i>	IVS	01.08.2013	31.07.2014
1.7.4.4	CoI	<i>PDGFr-beta and CD117 expression in feline histiocytic disorders: clinical findings, immunohistochemical features and response to treatment in 13 cases</i>	IVS	01.08.2013	31.07.2014
1.7.4.5	CoI	<i>Prognostic significance of morphological parameters, proliferative activity and expression of Matrix Metalloproteinases 1-3 and PDGFr proteins in Equine Sarcoids: a Tissue Microarray-based study</i>	IVS	01.08.2014	31.07.2015
1.7.4.6	CoI	<i>A cadaveric study investigating the myofascial attachments and innervation of the supraspinous and interspinous ligaments in the equine thoracolumbar spine</i>	IVS	01.08.2014	31.07.2015
1.7.4.7	CoI	<i>Is expression of MAGE-A a useful prognostic marker in canine oral malignant melanoma or histiocytic sarcoma?</i>	IVS	01.08.2014	31.07.2015
1.7.4.8	CoI	<i>Investigation into the phenotype of seahorse neoplasia</i>	IVS	01.08.2016	31.07.2017
1.7.4.9	CoI	<i>Towards virtual forensic necropsy? A pilot evaluation into the usefulness of "Virtual necropsy" compared to traditional post mortem in canine forensic cases of trauma</i>	IVS	01.08.2016	31.07.2017
1.7.4.10	PI	<i>Game-ology: Gaming for learning in veterinary pathology</i>	IVS	01.08.2018	31.07.2019

1.7.5 Research student supervision**1.7.5.1 PhD Students**

<u>Name</u>	<u>Institution</u>	<u>Title</u>	<u>Start date</u>	<u>End date</u>	<u>Status</u>
Patrick Craig	UoL	<i>The effects of the Abortifacient Parasite Neospora caninum on Bovine Foetuses in early and late gestation</i>	01.01.2013	01.06.2014	Awarded
Asma Elbahi	UoL	<i>Studies on Equine Eosinophilic Granuloma and Mast Cell Tumour</i>	01.10.2014	30.09.2017	Awarded
Soukup Petr	UoL	<i>Investigations into the subcellular ocular distribution of intravitreally administered antisense oligonucleotides, using correlative light-electron microscopy</i>	03.01.2017	03.01.2020	Awarded
Katherine Trivino Cepeda	UoL	<i>Assess the safety and efficacy of regenerative medicine therapies using advanced imaging technologies</i>	01.05.2019	01.05.22	In Progress
Vanessa Lea Schumacher	UoL	<i>Role of Fc-competence on the preclinical safety profile of a Brain Shuttle – antibody fusion</i>	01.10.2019	01.10.2022	In Progress
Amdreea Luchian	UoL	<i>Establishing and validating different histology--based approaches to quantitatively</i>	01.10.2020	01.10.2023	In Progress

		<i>assess efficacy of therapies in an animal model of ischaemia reperfusion injury (IRI).</i>			
Sean Taylor	UoL	<i>A retrospective study of the mechanisms and circumstances surrounding injuries sustained by Domestic Small Animals with a particular focus on Non-Accidental Injury.</i>	01.05.2022	01.05.2025	In Progress

1.7.5.2 Other Postgraduate student supervision

11 PGS (non-PhD) supervised (2 under supervision currently) since 2012

1.7.5.3 Undergraduate research student supervision

20 undergraduate student projects supervised since 2012.

1.7.6 KE activity

1.7.6.1 CPD courses delivery/design

<u>Contribution</u>	<u>Course</u>	<u>Organiser</u>	<u>Date</u>	<u>Topic</u>
Design/Delivery	UNISVET Regional meeting	UNISVET (IT)	14.11.2009	Clinician and Pathologist in Veterinary Oncology
Delivery	SIONCOV meeting	SIONCOV (IT)	10-11.03.2012	Cytology of Haemangiosarcoma
Delivery	Module 14 –Neoplasia	BSVP (UK)	12-13.06.2014	Prognostic markers in diagnostic pathology
Design/Delivery	ESVP/ECVP Summer School 2015	ECVP/ESVP (EU)	6-17.07.2015	Forensic Pathology
Delivery	BEVA Congress 2015	BEVA (UK)	10-12.09.2015	Prognostic markers in equine oncology
Delivery/Design	Forensic Veterinary Pathology and Medicine	UoL	18.09.2015	Forensic Pathology
Delivery	Mapping out canine and Feline Lymphoma	UoL	04.06.2018	Pathology of Lymphoma
Delivery/Design	Forensic Veterinary Pathology and Beyond	UoL	03-04.11.2018	Forensic Pathology

1.7.6.2 Forensic Veterinary Pathology Diagnostic Service activity

Description	Forensic pathology activity: Forensic post mortem examination, including photographic documentation, gross and histopathological examination and submission of samples to ancillary tests (bacteriology, toxicology, virology, forensic entomology); producing a forensic report; Acting as Expert witness in Courts (Magistrates, Crown)
Clients	RSPCA, Police (Merseyside/Cheshire/Cumbria/Ireland)
Years of activity	2011-(Present)
Activity	• ~100 Forensic Reports produced per year used as evidence in court • 2-3 Times per year giving evidence in Court as Expert Witness • 1 Training course on Firearm Injuries delivered to AHVLA Pathologists

	• Lecturer for “Forensic Veterinary Pathology” topic at European veterinary pathology courses and Summer Schools • Ad-hoc Expert witness reports on veterinary forensic pathology reports
Impact	• Social role as representative of the University of Liverpool involved in helping the Justice in cases related to animal welfare • Establishing a status of European Veterinary Forensic Pathology recognised centre at the University of Liverpool • Training of Veterinary Pathologists on specific subjects related to forensic pathology (e.g. Instructor for AHVLA training in firearms injury; Lecturer at ECVP summer school in Forensic Pathology) • From 2019 Establishment of a Certificate in Forensic Veterinary Pathology within ECVP, with the role of responsible in the Educational Committee and later as Chairman

1.7.6.3 European provider of Diagnostic/Prognostic/Research Immunohistochemistry and Ultrastructure services

Description	Provider of high quality immunohistochemical research platform and phenotyping and prognostic assessment of tumours in animals
Clients	Veterinary Pathology Laboratories (UK-EU), UK Universities, University of Liverpool Veterinary hospitals. University Research Institutes
Years of activity	2012-Present
Activity	• Immunohistochemical phenotype of tumours of domestic and exotic animals • Prognostic immunohistochemical assessment of selected tumours type in dog and cat according to current scientific publications (evidence based) • Ultrastructural analysis of animal tumours to identify their phenotype • Ad hoc Optimisation of Immunohistochemistry for research • Interpretation and analysis including Image Analysis
Impact	• Increasing life quality of animals generating data in regard to prognosis and creating the grounds for more targeted treatments • Generation of comparative pathology data on animal tumours as spontaneous models for human oncology • Generation of international network between international Pathologists for collaborative research activity – Student Research

1.8 INVITATIONS TO SPEAK (last 6 years only)

- 1.8.1 *Pathology of mammary tumours in dogs and cat. State of the art and current research in prognostic and predictive markers.* Royal Veterinary College, Research Seminars. 10th May **2017**
- 1.8.2 *The Forensic Necropsy the Liverpool Protocol.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.3 *Post mortem changes and time of death.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.4 *Blunt force trauma.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.5 *Gunshot wounds & basic trajectory investigation.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.6 *Thermal injuries: Heatstroke – hyperthermia – burns and frostbite.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.7 *Forensic-postmortem radiology applied to forensic necropsy.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.8 *Animal laws in the UK.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.9 *Veterinary Forensics and the courtroom.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.10 *Research in Veterinary Forensics. The present situation.* VetForensics Course, The conference & Cultural center in the old Paou Monastery, Argalasti Pelion (Greece) – 2-3 September **2017**
- 1.8.11 *Blunt force trauma.* Corso di Perfezionamento in Patologia Forense Veterinaria. Università' Federico II di Napoli, Dipartimento di Medicina Veterinaria e Produzioni animali. 8th September **2017**.
- 1.8.12 *Sharp force trauma.* Corso di Perfezionamento in Patologia Forense Veterinaria. Università' Federico II di Napoli, Dipartimento di Medicina Veterinaria e Produzioni animali. 8th September **2017**.
- 1.8.13 *Comprehensive Pathology Workshop.* ECVP Resident Seminar. Universitat Autònoma de Barcelona. Barcelona (Spain). 16th December **2017**
- 1.8.14 *Leahurst Histomorphology Services for Animal Models.* Histology, Pathology and Digital Health Workshop. May 16th **2018**
- 1.8.15 *Grading and Phenotyping as a prognostic tool in Animal Tumours.* Esvonc Congress Plenary Lecture / Resident Workshop (sponsored by Merial / Boehringer Ingelheim). 25th May **2018**
- 1.8.16 *Immunohistochemical prognostic and predictive Markers in Veterinary Onco-Pathology.* Esvonc Congress Plenary Lecture / Resident Workshop (sponsored by Merial / Boehringer Ingelheim). 25th May **2018**
- 1.8.17 *Challenges in Veterinary Forensic Pathology.* Research Seminar – University of Nottingham – 13th June **2018**.
- 1.8.18 *Introduction to Forensic Veterinary Pathology (and beyond).* Veterinary Forensic Science – University Master Degree – Università' Federico II Di Napoli (Naples) – 21st September **2018**
- 1.8.19 *Blunt Force Trauma in Veterinary Forensic Pathology.* Veterinary Forensic Science – University Master Degree – Università' Federico II Di Napoli (Naples) – 21st September **2018**
- 1.8.20 *Thermal Injuries in Veterinary Pathology (and beyond).* Veterinary Forensic Science – University Master Degree – Università' Federico II Di Napoli (Naples) – 21st September **2018**
- 1.8.21 *Comprehensive Pathology Workshop.* ECVP Resident Seminar. University of Utrecht (NL). 20th October **2018**
- 1.8.22 *The Forensic Post Mortem an Essential Guide.* Veterinary Forensic Pathology and Beyond – CPD event/Seminar– University of Liverpool; 3/4th November **2018**
- 1.8.23 *Blunt Force Trauma in Forensic Veterinary Pathology.* Veterinary Forensic Pathology and Beyond – CPD event/Seminar– University of Liverpool- 3/4th November **2018**
- 1.8.24 *Challenges in Veterinary Forensic Pathology.*– Departmental Seminar Programme – University of Cambridge 28th November **2018**
- 1.8.25 *Comprehensive Pathology Workshop.* ECVP Resident Seminar. University of Zurich. 15th December **2018**

- 1.8.26 *The Colorful life of a Veterinary Pathologist*. NWCR Centre Liverpool – Lab Meeting Lecture – 31st January **2019**.
- 1.8.27 *Forensic Pathology*. Vet Pathology Festival for Students– University of Nottingham - 2nd March **2019**
- 1.8.28 *Diagnostic Veterinary Pathology Services: The Liverpool Experience*. IRSEA, Apt (France) – 27th May **2019**.
- 1.8.29 *Forensic Pathology and Animal Welfare: Current Challenges and Perspectives in the UK*. IRSEA, Apt (France) – 27th May **2019**.
- 1.8.30 *How can the pathologist help? Grading schemes and use of immunohistology*. Equine Oncology for Practitioners. 29th-30th October **2019**
- 1.8.31 *The role of Veterinary Forensic Pathology in Animal Crimes in the Northwest*. Deeside Lecture Society. 115th Season. West Kirby (Wirral). 16th January **2020**
- 1.8.32 *ECVP Residents Online Training: Forensic Veterinary Pathology* Online training. 17th March **2021**
- 1.8.33 *Forensic Veterinary Pathology IVSA Seminar: University of Bologna; theory and Practice*; 2-3rd December **2021**.
- 1.8.34 *Forensic Veterinary Pathology IVSA Seminar: University of Turin*; March **2022**.
- 1.8.35 *Molecular morphological tools for diagnosis and prognosis of tumors in domestic animals* Master in Veterinary Biotechnology. training. 11th April **2022**; University of Milan.
- 1.8.36 *Forensic Veterinary Pathology an Introduction with a glance of lesions*: XXV Encontro Sociedade Portuguesa de Patologia Veterinaria; 30th June – 1st July **2022**
- 1.8.37 *Forensic Veterinary Medicine in Europe*: Italian Health Ministry – Rome – 21st October **2022**.

1.9 INDUSTRIAL COLLABORATION (consultancies, patents and impact activities)

- 1.9.1 Continuous collaboration (since 2012) with RSPCA and POLICE as service provider for Forensic Post Mortem Service (see: 1.7.6.2)
- 1.9.2 Course on firearm injuries – VLA Officers – Training for Badger Culling Campaign. 18 March 2014
- 1.9.3 Guidelines for Forensic Veterinary Post Mortem Examination - Italian Government - <http://www.izslt.it/wp-content/uploads/2019/07/Linee-Guida-Forense-Veterinaria.pdf>
- 1.9.4 Assessor for Veterinary Histopathology Quality for UK laboratories for UKAS [pending].

1.10 OTHER RELEVANT ACTIVITIES

1.10.1 PEDAGOGIC ACTIVITY

1.10.1.1 Poster/Presentations/Projects

- 1.10.1.1.1 Game-ology: Project: Gaming for learning in veterinary pathology Reid AS, MacDiarmid, **Ressel L** *Vet Ed Symposium. Liverpool 2017*
- 1.10.1.1.2 Game-ology: Gaming for learning in veterinary pathology Reid AS, MacDiarmid, **Ressel L** *Meeting of Veterinary Education symposium. Utrecht University. 2018 [Poster]*

2 SECTION 2 – PUBLICATIONS

2.10 Books

- 2.10.1 **Ressel L.** *PTEN expression in canine and feline mammary tumours: an immunohistochemical study.* VDM Verlag Dr. Müller AG& Co. KG. ISBN 978363927457-8. 2010.
- 2.10.2 **Ressel L.** *Principi di identificazione morfologica in citologia nel cane e nel gatto* Poletto Editore. ISBN 9788895033419. 2010.
- 2.10.3 **Ressel L.** *Principi di identificazione morfologica in citologia nel cane e nel gatto (Seconda edizione)* Poletto Editore. ISBN 9788895033686. 2017.
- 2.10.4 **Ressel L.** *Normal Cell Morphology in Canine and Feline Cytology: An Identification Guide.* Wiley-Blackwell - 2017. ISBN-10: 1119278899.
- 2.10.5 **Ressel L.** *Morfología de células normales en citología canina y felina: guía de identificación.* Multimedica ediciones veterinarias. ISBN: 978-84-96344-7
- 2.10.6 **Ressel L.** *Normal Cell Morphology in Canine and Feline Cytology: An Identification Guide.* Wiley-Blackwell - 2017. ISBN-10: 1119278899.
- 2.10.7 **Ressel L.** *Normal Cell Morphology in Canine and Feline Cytology: An Identification Guide (CHINESE EDITION) 2019*
- 2.10.8 **Ressel L.** *Zytologie bei Hund und Katze.* LABOKLIN GmbH & Co. KG (Verlag). 2021. 978 – 3 – 9823273

2.11 Contribution to Books

- 2.11.1 Poli A., Ciorba A. *Cytology of dog and cat* (Original Title: *Citologia del cane e del gatto*) ISBN 978-8895033105. 2009. **Contributions:** Co Author of Respiratory System chapter (Pg. 97-118); Co Author of Cytological Stains chapter (Pg. 284-291); Scientific Artwork in chapters: 1,2,3,4,6,7,8,9,10,11,14,15,16,19.
- 2.11.2 Boscia D, Bufalari A, Corletto F., Fruganti G, Mancianti F, Marconato L, Porciello F, Rossi G, Rueca F. *Respiratory diseases of dog and cat* (Original title: *Malattie respiratory del cane e del gatto*). Poletto ISBN. 978-8895033242. 2009. **Contribution:** Scientific Artwork in Chapters 1,2,3,4,6,7,8,9,10,11,14,15,16,19: Parasite infections.

2.12 Journal Articles (International Peer Reviewed)

- 2.12.1 **Ressel L**, Millanta F, Caleri E, Innocenti V, Poli A. *Reduced PTEN protein expression and its prognostic implications in canine and feline mammary tumours.* Vet Pathol. **2009** Sep;46(5):860-8. doi: 10.1354/vp.08-VP-0273-P-FL. Epub 2009 May 9. (Pfizer ESVONC Junior Research Award 2009)
- 2.12.2 Millanta F, Caneschi V, **Ressel L**, Citi S., Poli A. *Expression of Vascular Endothelial Growth Factor in Canine Inflammatory and Non-inflammatory Mammary Carcinoma.* J Comp Pathol. **2010** Jan;142(1):36-42. doi: 10.1016/j.jcpa.2009.06.004. Epub 2009 Jul 25.
- 2.12.3 **Ressel L**, Poli A. *Simultaneous double labelling of routinely processed paraffin tissue sections using combined immunoperoxidase, immunofluorescence, and digital image editing.* Res Vet Sci. **2010** Feb;88(1):122-6. doi: 10.1016/j.rvsc.2009.07.003. Epub 2009 Aug 5.
- 2.12.4 Dedola C, **Ressel L**, Hill PB, van den Broek AH, Thoday KT. *Sebaceous gland Hyperplasia in the border terrier: a morphometric study.* Vet Dermatol. **2010** Oct;21(5):494-502. doi: 10.1111/j.1365-3164.2009.00807.x. Epub 2010 May 24.
- 2.12.5 Sant'anna LB., Cargnoni A, **Ressel L**, Vanosi G, Parolini O. *Amniotic Membrane application reduces liver fibrosis in a Bile Duct Ligation rat model.* Cell Transplant. **2011**;20(3):441-53. doi: 10.3727/096368910X522252. Epub 2010 Aug 18.
- 2.12.6 **Ressel L**, Millanta F, Poli A. *Canine invasive lobular carcinoma of the Mammary Gland: morphological and immunohistochemical characterization of three cases.* J Comp Pathol. **2011** May;144(4):303-7. doi: 10.1016/j.jcpa.2010.08.015. Epub 2010 Oct 18.

- 2.12.7 Finotello R, **Ressel L**, Verin R, Di Lollo S, Baroni D, Piccinini D, Poli A. *Mammary carcinoma in a tiger (Panthera tigris): morphological and immunohistochemical study*. J Zoo Wildl Med. **2011** Mar;42(1):134-8.
- 2.12.8 Lange-Consiglio A, Corradetti B, Bizzaro D, Magatti M, **Ressel L**, Tassan S, Cremonesi F, Parolini O. *Characterization and potential applications of progenitor-like cells isolated from horse amniotic membrane*. J Tissue Eng Regen Med. **2012** Aug;6(8):622-35. doi: 10.1002/term.465. Epub 2011 Sep 22.
- 2.12.9 **Ressel L**, Finotello R, Innocenti VM, Vannozzi, Poli A. *Preliminary report on the expression of leptin and leptin receptor (ObR) in normal, hyperplastic, and neoplastic canine mammary tissues*. Res Vet Sci. **2012** Aug;93(1):343-9. doi: 10.1016/j.rvsc.2011.07.020. Epub 2011 Aug 27.
- 2.12.10 Cargnoni A*, **Ressel L***, Rossi D, Poli A, Arienti D, Lombardi G, Parolini O. *Conditioned medium from amniotic mesenchymal tissue cells reduces progression of bleomycin-induced lung fibrosis*. Cytotherapy. **2012** Feb;14(2):153-61. doi: 10.3109/14653249.2011.613930. Epub 2011 Sep 28.
*=Equal Contribution.
- 2.12.11 **Ressel L**, Ricci E, Bonassi E, Parolini O. *Simultaneous histochemical and immunohistochemical staining as a simple tool to identify Mast cells within CD117-positive population*. Histopathology. **2012** Mar;60(4):655-7. doi: 10.1111/j.1365-2559.2011.03957.x. Epub 2012 Jan 19.
- 2.12.12 Barsotti G, **Ressel L**, Finotello R, Marchetti V, Millanta F. *Primary corneal squamous cell carcinoma in a dog: clinical and histopathological evaluation*. Case Reports in Veterinary Medicine. Article ID 596593. **2012** (Online Journal).
- 2.12.13 **Ressel L**, Puleio R, Loria GR, Vannozzi I, Millanta F, Caracappa S, Poli A. *HER-2 expression in canine morphologically normal, hyperplastic and neoplastic mammary tissues and its correlation with the clinical outcome*. Res Vet Sci. **2013** Apr;94(2):299-305. doi: 10.1016/j.rvsc.2012.09.016. Epub 2012 Nov 7.
- 2.12.14 Vignoli M, Terragni R, Rossi F, Frühauf L, Bacci B, **Ressel L**, Capitani O, Marconato L. *Whole body computed tomographic characteristics of skeletal and cardiac muscular metastatic neoplasia in dogs and cats*. Vet Radiol Ultrasound. **2013** May-Jun;54(3):223-30. doi: 10.1111/vru.12015. Epub 2013 Feb 27.
- 2.12.15 Murtagh K, Oldroyd L, **Ressel L**, Batchelor D. *Successful management of intestinal pseudo-obstruction in a dog*. Veterinary Record Case Reports. Article ID: 1:e000025. **2013**. (Online Journal).
- 2.12.16 Cargnoni A, Piccinelli EC, **Ressel L**, Rossi D, Magatti M, Toschi I, Cesari V, Albertini M, Mazzola S, Parolini O. *Conditioned medium from amniotic membran-derived cells prevents lung fibrosis and preserves blood gas exchanges in bleomycin-injured mice-specificity of the effects and insights into possible mechanisms*. Cytotherapy. **2014** Jan;16(1):17-32. doi: 10.1016/j.jcyt.2013.07.002. Epub 2013 Oct 1.
- 2.12.17 Caruso M, Bonassi Signoroni P, Zanini R, **Ressel L**, Vertua E, Bonelli P, Dattena M, Varoni MV, Wengler G, Parolini O. *Feasibility and potential of in utero foetal membrane-derived cell transplantation*. Cell Tissue Bank. **2014** Jun;15(2):241-9. doi: 10.1007/s10561-013-9402-0. Epub 2013 Oct 23.
- 2.12.18 Finotello R, **Ressel L**, Arvigo M, Baroni G, Marchetti V, Romanelli G, Burrow R, Mignacca D, Blackwood L. *Canine pancreatic islet cell tumours secreting insulin-like growth factor type 2: a rare entity*. Vet Comp Oncol. **2016** Jun;14(2):170-80. doi: 10.1111/vco.12085. Epub 2014 Jan 16.
- 2.12.19 **Ressel L**, Else RW, Poli A, Argyle DJ. *Aberrant sub cellular immunolocalization of NOTCH-1 activated intracellular domain in feline mammary tumours*. J Comp Pathol. **2014** May;150(4):366-72. doi: 10.1016/j.jcpa.2013.11.213. Epub 2013 Dec 10.
- 2.12.20 Rossi F, Aresu L, Vignoli M, Buracco P, Bettini G, Ferro S, Gattino F, Ghiani F, Costantino F, **Ressel L**, Bellei E, Marconato L. *Metastatic cancer of unknown primary in 21 dogs*. Vet Comp Oncol. **2015** Mar;13(1):11-9. doi: 10.1111/vco.12011. Epub 2013 Jan 7.
- 2.12.21 Uri M, Verin R, **Ressel L**, Buckley L, McEwan N. J. *Ehlers-Danlos syndrome associated with fatal spontaneous vascular rupture in a dog*. J Comp Pathol. **2015** Feb-Apr;152(2-3):211-6. doi: 10.1016/j.jcpa.2014.12.013. Epub 2015 Feb 11.
- 2.12.22 Treggiari E, **Ressel L**, Polton GA, Benoit J, Desmas I, Blackwood L. *Clinical outcome, PDGFR beta and KIT expression in feline histiocytic disorders: a multicenter study*. Vet Comp Oncol. **2017** Mar;15(1):65-77. doi: 10.1111/vco.12142. Epub 2015 Feb 9.

- 2.12.23 **Ressel L**, Ward S, Kipar A. *Equine Cutaneous Mast Cell Tumours Exhibit Variable Differentiation, Proliferation Activity and KIT Expression*. J Comp Pathol. **2015** Nov;153(4):236-43. doi: 10.1016/j.jcpa.2015.07.006. Epub 2015 Aug 17. (ESVP Oral Presentation Award 2013)
- 2.12.24 Shelton LM, Lister A, Walsh J, Jenkins RE, Wong MH, Rowe C, Ricci E, **Ressel L**, Fang Y, Demougin P, Vukojevic V, O'Neill PM, Goldring CE, Kitteringham NR, Park BK, Odermatt A, Copple IM. *Integrated transcriptomic and proteomic analyses uncover regulatory roles of Nrf2 in the kidney*. Kidney Int. **2015** Dec;88(6):1261-1273. doi: 10.1038/ki.2015.286. Epub 2015 Sep 30.
- 2.12.25 Asproni P, **Ressel L**, Millanta F, Vannozzi I, Poli A. *Co-localization of PTEN and E-cadherin in canine mammary hyperplasias and benign and malignant mammary tumors*. Res Vet Sci. **2015** Dec; 103:113-8. doi: 10.1016/j.rvsc.2015.09.022. Epub 2015 Sep 30.
- 2.12.26 Mason SL, Fisher C, Ressel L, Bommer NX, Buckley LM, Nuttall T. *Presentation, clinical pathological and post-mortem findings in three related Scottish terriers with ligneous membranitis*. J Small Anim Pract. **2016** May;57(5):271-276. doi: 10.1111/jsap.12443. Epub 2016 Feb 3.
- 2.12.27 Finotello R, Masserdotti C, Baroni G, **Ressel L**. *Role of thyroid transcription factor-1 in the diagnosis of feline lung-digit syndrome*. J Feline Med Surg. **2017** Apr;19(4):477-483. doi: 10.1177/1098612X16634391. Epub 2016 Jul 9.
- 2.12.28 **Ressel L**, Finotello R. *Cytological grading of canine cutaneous mast cell tumours: is haematoxylin and eosin staining better than May-Grünwald-Giemsa?* Vet Comp Oncol. **2017** Sep;15(3):667-668. doi: 10.1111/vco.12234. Epub 2016 Apr 14.
- 2.12.29 Ramírez GA, **Ressel L**, Altimira J, Vilafranca M. *Cutaneous Heterotopic Brain Tissue (Neuroglial Choristoma) with Dysplastic Features in a Kitten*. J Comp Pathol. **2016** Jul;155(1):50-4. doi: 10.1016/j.jcpa.2016.05.004. Epub 2016 Jun 17.
- 2.12.30 Wnęk M, **Ressel L**, Ricci E, Rodriguez-Martinez C, Guerrero JC, Ismail Z, Smith C, Kipar A, Sodeik B, Chinnery PF, Solomon T, Griffiths MJ. *Herpes simplex encephalitis is linked with selective mitochondrial damage; a post-mortem and in vitro study*. Acta Neuropathol. **2016** Sep;132(3):433-51. doi: 10.1007/s00401-016-1597-2. Epub 2016 Jul 25
- 2.12.31 **Ressel L**, Finotello R. *Lymph node histology for the assessment of residual neoplastic disease in canine mast cell tumours: does the presence of metachromatic granules always identify mast cells?* Vet Comp Oncol. **2017** Dec;15(4):1119-1121. doi: 10.1111/vco.12278. Epub 2016 Oct 6. No abstract available.
- 2.12.32 Ehrle A, **Ressel L**, Ricci E, Singer ER. *Structure and Innervation of the Equine Supraspinous and Interspinous Ligaments*. Anat Histol Embryol. **2017** Jun;46(3):223-231. doi: 10.1111/ahc.12261. Epub 2017 Jan 25.
- 2.12.33 Ramírez GA, **Ressel L**, Altimira J, Vilafranca M. *Mandibular odontogenic sarcoma (ameloblastic fibrodentinosa sarcoma) in an aged cat - Short communication*. Acta Vet Hung. **2017** Mar;65(1):89-95. doi: 10.1556/004.2017.009.
- 2.12.34 Mesquita L, Mortier J, **Ressel L**, Finotello R, Silvestrini P, Piviani M. *Neoplastic pleural effusion and intrathoracic metastasis of a scapular osteosarcoma in a dog: a multidisciplinary integrated diagnostic approach*. Vet Clin Pathol. **2017** Jun;46(2):337-343.
- 2.12.35 Barrows M, Killick R, Day C, Saunders R, Baiker K, **Ressel L**, Denk D. *Neuroaxonal Dystrophy in a Flock of Pied Imperial Pigeons (Ducula bicolor)*. J Comp Pathol. **2017** May;156(4):451-457. doi: 10.1016/j.jcpa.2017.02.006. Epub 2017 Apr 6.
- 2.12.36 Wardle R, Pullman JA, Haldenby S, **Ressel L**, Pope M, Clegg PD, Radford A, Stewart JP, Al-Saadi M, Dyer P, Peffers MJ. *Identification of Equid herpesvirus 2 in tissue-engineered equine tendon*. Wellcome Open Res. **2017** Oct 17;2:60. doi: 10.12688/wellcomeopenres.12176.2.
- 2.12.37 McGarry J, Ratsep E, **Ressel L**, Leeming G, Ricci E, Verin R, Blundell R, Kipar A, Hetzel U, Yeates J. *Introducing forensic entomology in cases of suspected animal neglect*. Vet Rec. **2018** Feb 3;182(5):139. doi: 10.1136/vr.104158. Epub 2017 Dec 20.
- 2.12.38 Pazzini L, Mugnaini L, Mancianti F, **Ressel L**. *Tritrichomonas foetus and Mycoplasma felis coinfection in the upper respiratory tract of a cat with chronic purulent nasal discharge*. Vet Clin Pathol. **2018** Jun;47(2):294-296. doi: 10.1111/vcp.12579. Epub 2018 Feb 6.
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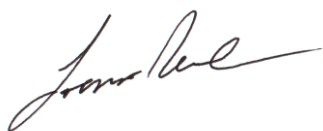
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Liverpool 07.07.2025

Consapevole che, ai sensi dell'art. 76 del DPR 445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono punite ai sensi del Codice penale e delle leggi speciali vigenti in materia, dichiara sotto la propria responsabilità che quanto dichiarato nel curriculum vitae et studiorum corrisponde a verità.