

ALEXANDER L. STOLL

**BSc VetPath (Hons) BVetMed MVetMed DipFMS MRSB MRSPH FRCPath MRCVS
LEAD FORENSIC VETERINARY PATHOLOGIST**

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Professional Profile

I trained as a veterinary surgeon at the Royal Veterinary College (RVC), University of London and I am a registered Member of the Royal College of Veterinary Surgeons (MRCVS). At the RVC I also obtained a Bachelor of Science Honours degree in veterinary pathology and a Master of Veterinary Medicine degree in veterinary medicine. I undertook a three year specialist training programme (Residency) in veterinary anatomic pathology and obtained Fellowship of the Royal College of Pathologists by examination. I trained in Forensic Medical Sciences with the Academy of Forensic Sciences and became a registered diplomate in Forensic Medical Sciences by examination of the Society of Apothecaries, London. As a result, I am one of only three veterinary surgeons in the UK with both pathology and forensic medical science qualifications.

I am lead forensic veterinary pathologist at ArroGen Veterinary Forensics and the University of Surrey's Veterinary Pathology Centre. I am a Senior Research Fellow in Veterinary Pathology at the University of Surrey's School of Veterinary Medicine. I am Visiting Professor of Veterinary Pathology at the Department of Forensics, University of Derby and Honorary Research Fellow at the Centre for Anatomy and Human Identification, University of Dundee.

I have worked on numerous complex and sensitive, high-profile investigations including but not limited to cases involving homicide, ballistic wounds, sexual abuse of animals, dangerous dogs, modern day slavery, malicious and accidental poisoning, domestic abuse and animal welfare infringements.

I lecture on veterinary forensic pathology nationally and internationally and have active collaborative forensic veterinary pathology and veterinary pathology research projects.

Academic Qualifications

BSc VetPath (Hons); Veterinary Pathology, Royal Veterinary College, University of London

BVetMed; Veterinary Medicine, Royal Veterinary College, University of London

MVetMed; Veterinary Medicine, Royal Veterinary College, University of London

DipFMS; Forensic Medical Sciences, Society of Apothecaries, London

FRCPath; Fellowship of the Royal College of Pathologists

MRCVS; Membership of the Royal College of Veterinary Surgeons

Forensic Science Career

I started forensic veterinary pathology examinations in 2013 and I have undertaken over 100 forensic veterinary post mortem examinations in multiple species on behalf of the prosecution and defence. I have consulted on numerous forensic veterinary cases in addition to this. This is not including over 1000 diagnostic post mortem examinations across multiple species, and an even larger number of diagnostic histopathology (surgical biopsy) examinations. I have been central to the development of rigorous forensic procedures in the veterinary field and advancing the practice and teaching of forensic veterinary pathology and science, and have obtained an international reputation in the field.

Key Achievements and Contributions

- Developed protocols and standard operating procedures in forensic veterinary pathology.
- Invited expert for the Royal Society's Illegal Wildlife Trade Workshop.
- Consultation, forensic strategy and examinations of large scale unexplained animal deaths investigation.
- Coordinated examinations and authored report of animals involved in multiple homicides.
- Conducted and coordinated the first post mortem examination of a dog under the updated (2014) Dangerous Dogs Act, involving SOCOs and animal behaviour consultants.

Conferences, meetings and courses

- Virtopsy, Zurich, August 2017, **invited speaker** (Veterinary forensic pathology and science)
- Royal Society's Illegal Wildlife Trade Workshop, British Academy, June 2017, **invited expert**
- Forensic Anthropology, Archaeology and Ecology Conference, UCL, June 2017, **speaker** (Examination of exhumed, decomposed or cremated remains – is it worth it?)
- International Society of Forensic Radiology and Imaging, Odense, May 2017, **invited speaker** (Imaging in Veterinary Forensics)
- CL Davis, Bologna, 2016, **travel scholarship recipient** (Renal pathology)
- Forensic Evidence: Understanding Its True Meaning, ArroGen Oxford, June 2016
- Congrès international de Balistique Lésionnelle, Lyon, June 2016, **guest speaker** (Veterinary Wound Ballistics)
- FAPSA Conference, Leicester, May 2016, **guest speaker** (Veterinary Forensics)
- Animal Welfare Science Ethics & Law Veterinary Association, 'Suffering' Conference, University of Surrey, 2016
- Clinical Dental Photography, University of Birmingham, 2015
- Forensic Pathology Meeting, RVC, London 2015, **co-organiser and speaker** (Images and imaging in veterinary forensics)
- Introduction to Forensic Science, University of Strathclyde, 2015
- Irish Wildlife Crime Conference, Dublin, 2015
- Forensic Pathology Meeting, Liverpool, 2015
- CL Davis, Helsinki, 2015 (Neuropathology)

- Essential Elements of Gunshot Residue Evidence, BAFA London, 2015
- Blood Pattern Analysis, BAFA London, 2015
- Bond Solon Expert Witness Training – Courtroom Skills, 2014
- ACVP, Atlanta, 2014 (Poster and **RVC ACVP Representative** 2013-2014)
- SVP, Berlin, 2014 (Paleopathology)
- CL Davis, Berlin, 2014 (Bone and Endocrine pathology)
- CL Davis Descriptive Course, Bristol, 2014
- ECVP/ESVP, London, 2013
- CL Davis, London, 2013 (Haematopoietic pathology)

Awards and Commendations.

- Davis-Thompson Foundation European Division Travel Scholarship, 2016
- Wellcome Trust Fundamentals of Veterinary Science Summer School, University of Cambridge, 2012
- RCVS Bursary winner, Veterinary Biomedical and Pharma Science One Health Conference, 2012
- Wellcome Trust Scholarship for Veterinary Pathology BSc(Hons), 2009-2010
- Wellcome Trust Intercalated Award, 2009
- Wellcome Trust Summer Studentship, 2009

Any other relevant information

2017	Visiting Professor of Veterinary Pathology	Department of Forensics, University of Derby
2017	Honorary Research Fellow	CAHID, University of Dundee

Publications

Refereed Journals

Cutaneous triton tumor in a domestic cat. **A L Stoll**, B A Summers and S L Priestnall (Submitted to Journal of Veterinary Diagnostic Investigation)

Immunohistochemical evidence for the cellular origin and aberrant expression of 14-3-3 σ in canine renal cell carcinomas. A Suarez-Bonnet, A Lara-Garcia, **A L Stoll**, S Carvalho, S L Priestnall (Submitted to Veterinary Pathology)

Clinicopathological features and magnetic resonance imaging findings in 24 cats with histopathologically confirmed neurological feline infectious peritonitis. A H Crawford, **A L Stoll**, R Lam, A Shea, J Michaels, D Sanchez-Masian, A Fraser, E Beltran (Journal of Veterinary Internal Medicine, In Press).

Retrospective evaluation of COX-2 expression, histological and clinical factors as prognostic indicators in dogs with renal cell carcinomas undergoing nephrectomy. S Carvalho, **A L Stoll**, S L Priestnall, A Suarez-Bonnet, K Rassnick, S Lynch, I Schoepper, G Romanelli, P Buracco, M Atherton, E Martinez de Merlo, A Lara-Garcia. *Veterinary and Comparative Oncology* (August 2016) Online first, ahead of print.

Osteochondrosis in the distal femurs of an adult reticulated giraffe (*Giraffa camelopardalis reticulata*) – macroscopic, radiological and histological findings. C Basu, **A L Stoll**, J Dixon, F M Molenaar, E Flach and K C Smith. *JZWM*. (2016) 47:359-363.

Bilateral leiomyoma in the testes of a horse. **A L Stoll**, R Tucker, T H Witte and K C Smith *Equine vet. Educ.* (2015) 27(3):113-115.

One Health: finding out what's happening on 'the other side'. **A L Stoll**. *Vet Record*. (2013) 172:60-61.

Ten-minute chat. **A L Stoll**. *Vet Record*. (2011) 168:ii.

Non-refereed Journals

The Veterinary Autopsy. A L Stoll. (Invited article) *Association of Clinical Pathology*, 2017 (In Press).

Veterinary Forensic Pathology and Animal Welfare; an Introduction and the Post Mortem Examination. **A L Stoll**, G Fraser, S L Priestnall. *Journal of Animal Welfare Law*. August 2015.

Conference Presentations and Posters

Examination of exhumed, decomposed or cremated animal remains by the forensic veterinary pathologist – is it worth it? **A L Stoll** & L Robinson. FAAE Conference, UCL June 2017.

The Use of Diagnostic Imaging in Forensic Veterinary Pathology. **A L Stoll**. International Society of Forensic Radiology and Imaging, Odense May 2017.

Aberrant expression of 14-3-3 σ protein in canine renal cell carcinomas. A Suárez-Bonnet, A Lara-García, **A L Stoll**, S Carvalho & S L Priestnall. ACVP Conference, New Orleans December 2016.

Clinical features and magnetic resonance imaging findings in 20 cats with confirmed neurological feline infectious peritonitis. A Crawford, **A L Stoll**, A Shea, J Michaels, A Fraser & E Beltran. ECVN Conference, Edinburgh September 2016.

Ballistic Trauma in Veterinary Forensic Pathology (Presentation). **A L Stoll** & S L Priestnall. Congrès international de Balistique Lésionnelle, Lyon June 2016.

Advances in Veterinary Forensic Pathology and Science (Presentation). **A L Stoll**. The Forensic and Policing Services Association, Leicester May 2016.

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Association of histopathological features and COX-2 expression in canine renal carcinomas with clinical outcome. S Carvalho, **A L Stoll**, S L Priestnall, A Suarez-Bonnett, A Lara Garcia. Conference presentation. ECVIM Conference Lisbon September 2015 (Winner of best oral presentation).

'Dopey Fox Syndrome': An encephalitis in wild red foxes (*Vulpes vulpes*) in East Anglia, Great Britain. **A L Stoll**, S Bexton, J A Mitchell and S L Priestnall. Conference poster. ACVP Conference Atlanta November 2014.

Publications Edited and Supported

Photomicrographs: provided images for the textbook 'Ear, Nose and Throat Diseases of the Dog and Cat', Harvey and ter Haar, CRC Press, Florida (2017).

Performed post mortem and diagnostics: The Dragon Autopsy, *The Atlantic* (2015)

<http://www.theatlantic.com/science/archive/2015/05/the-dragon-autopsy/393890/>

Edited from Italian: Cavernous hemangioma of the external carotid artery. F Massi, M Massi, L Torracca, and G Thiene. *Journal of Vascular Surgery*. (2014) 59:525-526.

Histology technique and interpretation: Structure, ontogeny and evolution of the patellar tendon in emus (*Dromaius novaehollandiae*) and other palaeognath birds. S Regnault, A A Pitsillides, J R Hutchinson. *PeerJ* 2:e711 (2014). Featured – PeerJ's Top Palaeontology Papers October 2014.

Peer Reviewer

Reviewed papers on forensic veterinary pathology and science

Book Reviews

Jubb, Kennedy and Palmer's Pathology of Domestic Animals, Sixth Edition, Elsevier (2015).