

# **CURRICULUM VITAE**

## **PERSONAL DATA**

First Name: Manuela

Last Name: Crasta

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Date of Birth: 26th September, 1972

Place of birth: Rome, Italy

Nationality: Italian

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## **EDUCATION**

*1990* High School “Maria Immacolata”, Rome-Italy

*1997* University of Perugia, Faculty of Veterinary Medicine. Doctor in veterinary Medicine

*2000-2001* Diplome in Ophthalmology EPU –Ecole Veterinaire, Maisons Alfort- France

*January 2008:* PhD in Veterinary Ophthalmology (3 Years programs) at the University of Veterinary Medicine of Messina -Messina, Italy.

*May 2011:* Diploma of the European College of Veterinary Ophthalmology ECVO. Utrecht- Holland

## **DATE OF GRADUATION**

*9 October 1997:* Doctor in Veterinary Medicine, graduate of Veterinary University of Perugia- Italy.  
Thesis: Internal Medicine - Hypocalcaemia.

## **SCIENTIFIC DEGREE(S) /DATE:**

*May 1998:* Habilitation/licence of veterinary medicine . Perugia- Italy

*January 2008:* PhD in Veterinary Ophthalmology (3 Years programs) at the University of Veterinary Medicine of Messina -Messina, Italy.  
Title of Thesis: Cryotherapy and Bleomycin like therapy in Squamous Cell Carcinoma in Cats.

*May 2011:* Diploma in Veterinary Ophthalmology of the European College of Veterinary Ophthalmology ECVO. Utrecht- Holland

## **OPHTHALMOLOGY EDUCATION AND TRAINING**

*June1998 –February 1999* Begin training in Veterinary Ophthalmology under the supervision of Dr Adolfo Guandalini, PhD, DECVO - Clinica Veterinaria Caffarella - Rome, Italy.

*March 1999-October 1999* Externship in Veterinary Ophthalmology under a supervision of Mr Pip Boydel, DVM, Cert Ophthal, and Mr Grant Rosburgh, DVM, Cert Ophthal – Animal Medical Centre - Manchester UK.

*December 1999* Assistant of Dott Guandalini Adolfo, PhD, DECVO – Rome- Italy.

*January 2000-February 2001* Full Training in Ophthalmology. Ecole Vétérinaire of Maisons - Alfort under the supervision of Prof Bernard Clerc, DVM, DECVO- Paris - France.

*March 2001-June 2001* Externship at the Long Island Veterinary Specialists, under the supervision of Dr John Sapienza, DVM, DACVO- Long Island, New York- USA.

*September 2001-December 2001* Clinical and Surgical Training under the supervision of Dr A. Guandalini, DVM, DECVO- Roma- Italy.

*February 2005* Externship at the Ophthalmology Department of University of Florida with Dr D.Brooks and Dr K. Gelatt,both DACVO, PhD. Gainesville-Florida- USA.

*February-April 2009* Externship North Carolina State University. Ophthalmology Department with Brian Gilger DACVO and PhD. Part of Residency- USA

*May-June 2009* .Working with Adolfo Guandalini DECVO. Rome-Italy

*July-August 2009 and January –April 2010 and January 2011. Externship at University of Barcelona with Marta Leiva and Teresa Pena both DECVO-Spain*

From *January 2001* to Present Working as an Ophthalmologist (Visionvet Clinic) full time.

## **ATTENDED OPHTHALMOLOGY COURSES / MEETING**

*1997/1998 /1999/2000 /2001//2004/2005/2006/2007/2008/2009/2010/2011 ECVO meeting*

*1998 Ocular Immunology Advanced Course- November, 19-20.Cremona- Italy*

*1998 Systemic Disease related to the Eye. Novenber 21-22. Cremona-Italy*

*1999 BSAVA/BrAVO congress. Birmingham- UK*

*1999 Morphology and Physiology of Optic nerve. June, 3-4. Cremona – Italy*

*2000\ 2002 SFEROV congress. Paris- France*

*2000 SFO (Società Frances Ophthalmologist) Human Conference. Paris- France*

*2001 Southeastern Veterinary Ophthalmology Society. Florida-USA*

*2002 SOI (Società Oculisti Italiani) Human Ophthalmology. Rome- Italy*

*2000-2001 Diplome in Ophthalmology EPU –Ecole Veterinaire, Maisons Alfort- France*

*2000 Phacoemulsification Alcon Course. Paris- France*

*2000 Ocular Microsurgery advanced Course. Cremona-Italy. 2 days program*

*2002 V Basic Science Course in Veterinary and Comparative Ophthalmology and Histologic Basis of Ocular Disease. North Carolina State University. Raleigh- USA*

*2003\2004\2006\ 2008 ACVO Meeting. Coeur d'Alene- Idaho, Washington D.C., San Antonio – TX, Boston USA*

*2003 Retinal Detachment and Vitreo-retinal Surgery Course. S.Vainisi, DACVO. Milano- Italy.*

*2003 Ophthalmology Ultrasound Course. Coeur D'Alene- USA*

*2004 XVII Phacoemulsification Course in vivo. Caceres- Spain. 3 days program*

*2004 Advanced Course on Corneal Transplantation and Staminal Cells. T.Pena, dipl ECVO. Rimini-Italy*

2004 ERU and Surgery Course. Munich-Germany.

2005 Ocular Pathology Course. Pfiffer, dipl ACVO. Cremona-Italy

2005 Avian Medicine Course. R.T.Corbel, Oporto-Portugal

2006 Neurophthalmology Course. L.Cauzinille. DECVN. Bruges-Portugal

2006 Electrophysiology- Optic and Vision Course. R.Ofri, PhD, DECVO. Rimini-Italy

2007 Glaucoma Course. Gillian Mc Lellan PhD, DECVO, DACVO, Genova, Italy

2008 Virtual Cataract Course, Boston, USA

2009 Equine Intraocular Surgery. Brian Ginger and David Wilkie DACVO, Berlin-Germany

2011 Glaucoma advanced course. Berlin-Germany

## **TRAINING DETAILS IN**

### Ophthalmology related Diagnostic Imaging:

1997 Basic Course in general ultrasound, Perugia-Italy.

1997 Advanced Course in general ultrasound, Perugia- Italy.

2000, Maisons -Alfort- France

2002-2007 Working with Dr Federica Rossi, DVM, DECVDI, giving me assistance and saltuary lessons about ophthalmology related CT scan, Radiology and Ultrasound.

Bologna-Italy

### Ophthalmology related clinical pathology and histopathology interpretations:

2000- 2001 working with Dr PierLuigi Fant, DVM, DECVPath. Maisons Alfort- France

2005 Journal club about Pathology - 1 hour\week for 3 weeks with David Taylor, DVM, DACVPath. Gainesville-Florida

### Neurology related Ophthalmology:

1999 (limited 5 hours a week for 7 months) rotation in Neurology with Pip Boydel, CertVOphthal MRCVS.

## **ORAL PRESENTATIONS**

Invited Speaker:

- March 2005- The Ophthalmic Consulting- CVB - Bologna-Italy

- *December 2006*- Corneal Disease in domestic animals- Forli-Bologna-Italy
- *December 2006*- Basic ophthalmology course- Forli-Bologna-Italy
- *April 2006*- Case report-Cataract and Primary Glaucoma in a dog- CVB – Bologna-Italy
- *May 2007*- Ophthalmic Emergencies- CVB-Bologna-Italy
- *October 2007*-Ophthalmic Emergencies- I PORTONI ROSSI- Bologna –Italy
- *November 2007* – Neurophthalmology – Neurology course (3 years program) PERFORMAT- University of Bologna-Italy
- *2004- 2006* - 12 hours of lessons / year in Ophthalmology to the students of 3<sup>o</sup>,4<sup>o</sup>,5<sup>o</sup> year and PhD students as external professor. University of PADOVA-Italy.
- February 2008*- The cornea in small animals. Ordine dei Medici di Vicenza- Italy
- *May 2009*- Common Ocular diseases in dogs. University of Messina- Italy-
- *October 2009*- Postoperative Hypertension after Cataract surgery in dog. ACVO, Chicago-USA
- *October 2009*- Postoperative Hypertension after Cataract surgery in dog. SOVI, Cremona-Italy
- *September 2010*- Corneal disease in dog and cat. Circolo Veterinario Bolognese. Bologna –Italy
- *September 2010*- Hypertensive Rethinopathy in cat. AIVPAFE. Venezia- Italy

## **GENERAL MEDICINE AND PROFESSIONAL ACTIVITIES**

*October 1997 - May 1998* Internship in Medicine and Surgery of small and big animals University of Veterinary Medicine- Perugia Italy.

*October 1997 - May 1998* Additional studies and practice in clinic and surgery of small animals at Arcelli Veterinary Clinic- Perugia Italy.

*October 1998 - December 1998* Zoospedale Flaminio Referral Centre, Rome Italy. Part time General Practice, Emergency and Critical Care.

*December 1998 - March 1999* Zoospedale Flaminio Referral Centre, Rome Italy. Emergency/ Critical care employ.

*October 1998 - March 1999* Private Clinic, Ostia-Rome Italy. Part time employ General Practice: Medicine and Surgery.

*March 2000 - February 2001* Referral Centre, Chilly Mazarin, Paris France. Part time employ as general practitioner and Emergency and Critical Care employ.

## CURRENT PROFESSIONAL ACTIVITIES

Private practice: Visionvet Clinic for eyes.

Office/Clinic: VISIONVET Ambulatorio veterinario oculistico  
Full address: Via E.Fermi 65  
40017, San Giovanni in Persiceto Bologna Italy  
info@visionvet.it



Since March 2018:  
CityU PAVC (Previously Peace Avenue Veterinary Clinic)  
G/F, 7B Liberty Avenue,  
MongKok, Kowloon, Hong Kong, China



### Academic:

University of PADOVA-Italy. Since 2004 to 2006 giving 12 hours of lessons /year in Ophthalmology to the students of 3°,4°,5° year and PhD students as external professor.

University of Messina-Italy. PhD in Veterinary Ophthalmology. January 2005- January 2008.  
Thesis on Bleomicin and Cryotherapy as treatment of ocular SCC in cats.

University of Milano (Human Medicine Ophthalmology) – Use of Nanoparticles as Draeger Delivery System in Rabbit Eyes- still in project. Submitted to ARVO

Telethon - Use of Adenoassociated Vectors for a marker protein (CFP carrier fluorescein protein) - Subretinal Injection of Drug Vectors in Pig Eyes – still in project.

University of Barcelona, UAB- Ophthalmology Department –Clinical and surgical Ophthalmology. 2010 Spain .

## MEMBER OF SCIENTIFIC ORGANIZATION

SOVI-ECVO

## **PUBLICATIONS**

Inflammatory disorders affecting the nictitating membrane in domestic carnivores. B.Clerc, M. Crasta Le Point Veterinaire, 2000.vol 31; 471-476.

Three cases of prolapsed of the nictitans gland in cats.

Sabine Chahory, Manuela Crasta, Stefania Trio and Bernard Clerc Veterinary Ophthalmology, 2004.vol 7; 6,417.

Solid Lipid Nanoparticles as new drug delivery system: a preliminary study of safety and bioavailability after topical administration in rabbits. Poster submitted to ARVO.

AAV2/5 transduces more efficiently than other AAV serotypes the pig cone-enriched retina. In collaboration with Telethon Institute of Genetics and Medicine (TIGEM), Naples, Italy;

Effect of three treatment protocols on acute ocular hypertension after phacoemulsification and aspiration of cataracts in dogs (p 14-19). Manuela Crasta, Alison B. Clode, Richard J. McMullen Jr., Diana O. Pate, Brian C. Gilger Published Online: Jan 13 2010 6:30AM DOI: 10.1111/j.1463-5224.2009.00748.x Veterinary Ophthalmology , Volume 13 Issue 1 (January 2010)

AAV-mediated photoreceptor transduction of the pig cone-enriched retina

C Mussolino<sup>1,2</sup>, M della Corte<sup>3</sup>, S Rossi<sup>3</sup>, F Viola<sup>4</sup>, U Di Vicino<sup>1</sup>, E Marrocco<sup>1</sup>, S Neglia<sup>1</sup>, M Doria<sup>1</sup>, F Testa<sup>3</sup>,

R Giovannoni<sup>5</sup>, M Crasta<sup>6</sup>, M Giunti<sup>7</sup>, E Villani<sup>4</sup>, M Lavitrano<sup>5</sup>, ML Bacci<sup>7</sup>, R Ratiglia<sup>4</sup>, F Simonelli<sup>1,3</sup>, A Auricchio<sup>1,8</sup> and EM Surace<sup>1</sup>

Gene Therapy (2011), 1–9

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[www.nature.com/gt](http://www.nature.com/gt)

## **JOURNALS**

Veterinary Ophthalmology since 1994-to present

## **LANGUAGES**

Mother language: Italian

English

French

Spanish

## **OPHTHALMOLOGY SPECIFIC INTEREST**

CORNEAL PATHOLOGY AND SURGERY, CATARACT AND RETINA