



**Nicola
Pussni**

DATE OF BIRTH:
30/07/1977

CONTACT

Nationality: Italian

Gender: Male

 nicola.pussini@zsto.it

ABOUT ME

Ord. Med. Vet. Genova n°458

EDUCATION AND TRAINING

20/11/2020 – CURRENT – Via A. Pastore 1, I-16132, Genova, Italy

PhD - Department of Health Sciences Faculty of Medicine and Surgery

Genova Univeristy

Environmental eco-toxicology: the project aim to:

- Study the jellyfish model for microRNA as a mean to understand the microRNA role in chronic human diseases as diabetes, and cancer
- Passive environmental analysis of drugs (antimicrobial) metabolites in the Genova port waters in order to compare with the population antimicrobial resistance noticed in the San Martino Hospital in Genova.

Field(s) of study

- Environmental eco-toxicology

2017 – 2019 – Milano, Italy

Veterinary Specialization in Animal Food Origin Hygiene

Milan University - School of Veterinary Medicine

2015 – 2016

Master in Direction and Management of Healthcare Companies - MADIMAS - II level

School of Management - Università Lum Jean Monett

Master Universitario di II livello in distance learning in Direzione e Management delle Aziende Sanitarie - Strumenti di Controllo, Responsabilità Professionali e Analisi del Rischio (MADIMAS). Area tecnico-amministrativa ed economico-gestionale di strutture sanitarie pubbliche o private (ASL, ospedali, presidi ospedalieri, laboratori, dipartimenti, distretti), assessorati, agenzie sanitarie, centri di ricerca, società di consulenza, aziende fornitrici di servizi, o per esercitare attività professionale di tipo consulenziale.

06/2008 – 06/2010 – Davis, United States

Internship in Marine Mammal Medicine and Pathology

University of California Davis - School of Veterinary Medicine

Two years internship in marine mammal medicine and pathology UC Davis and The Marine Mammal Center

11/2005 – Bologna, Italy

Degree in Veterinary Medicine

Bologna Univeristy - School of Veterinary Medicine

Tesi: Concentrazioni ormonali in *Tursiops truncatus* da campioni biologici alternativi al sangue

WORK EXPERIENCE

01/10/2021 – CURRENT – Imperia, Italy

Veterinary Director

Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta

2019 - CURRENT - Genova, Italy

Health Director Veterinary Services of the Genova and Livorno Aquarium

CostaEdutainment Spa

Director of the Health Veterinary Services with responsibility on personell, medical care of the animal collection, relationship with other institutions, public health officers, minitries, and legal issues. Leading in EU grants for animl health and consrvation.

06/2012 - 2019 - Genova, Italy

Veterinarinarian Acquario di Genova

Costa Edutainment Spa

Responsible for the clinical, preventive medicine health program for the entire collection

Gneova, Italy

09/2010 - 03/2015 - San Diego , United States

Veterinarian for the NOAA-Antartic Program

National Oceanographic Atmospheric Administration - US
Department of Commerce

Veterinarian for the USA NOAA Antarctic Program / Cape Shirreff, Livingston Island (Antarctica). Responsible for field operations, sampling, camp leader, organization of missions. Veterinary Operations Director

United States

07/2011 - 02/2012 - Trieste

Veterinarian

Clinica Veterinaria Miramare

Veterinario animali da compagnia ed esotici

Trieste, Italy

01/2007 - 06/2008 - Madison, Wi, United States

Official veterinarian - USGS - National Wildlife Health Center , USA

United State Geological Survey - National Wildlife Health Center - U.S. Department of the Interior

Official Veterinarian US Reference Center for the Study of Wildlife Diseases - Veterinarian Animal Care and Use Committee.

Madison, WI, United States

01/2007 - 07/2008 - Madison, WI, United States

Assistant Professor - researcher

University of Wisconsin Madison - Pathobiological Science Department

Veterinarian researcher in studies aimed at creating a vaccine for plague (Y. pestis) in wildlife. Research on the pathogenesis of monkey-pox virus using bioluminescence techniques. Laboratory work with techniques: ELISA, Western blot analysis, PCR, cell culture, and gel electrophoresis

Madison, WI, United States

PROFESSIONAL COURSES

01/03/2021

● **Strengthening collaboration between human and animal health sectors for improved health security - WHO.**

26/10/2020

● **Producing safe food in food micro-enterprises: design and application of the hygienic-sanitary self-control system**

National program for the continuous training of healthcare operators.

23/10/2020

● **COVID-19 Contact Tracing course Johns Hopkins University**

10/2020

● **Training course for the Company Veterinarian pursuant to the Ministerial Decree of 7 December 2017**

02/2020

● **Protection of animals at slaughter: red meat (FAD)**

Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna

2020

● **Basic training in beekeeping for the veterinarian**

03/06/2019 - 05/06/2019

● **E-Health Leadership Program - SDA Bocconi School of Management, Mi**

Executive Custom Programs - EHEALTH LEADERSHIP PROGRAM: Health information management for national health care companies. Governance of Enterprise IT, IT Risk Management, digitalization, and emerging technologies.

27/03/2018 - 07/04/2018

● **Veterinarian for insect breeding - Order of Veterinary Doctors Padua**

05/11/2017 - 08/11/2017

● **Elasmobranch Medicine and Husbandry Workshop - Oceanographic Valencia, Spain**

10/05/2016 - 12/05/2016

● **Health Control of Fish Products - IZS of Lombardy and Emilia Romagna. Prof. Malandra.**

14/04/2016

● **C.Re.Di.Ma.National Workshop "Experiences, diagnosis, and updates on Italian stranded cetacean"**

18/11/2014 - 20/11/2014

● **Endoscopy Training, Center of Minimally Invasive Surgery, Cáceres, Spain**

XXVII National and International Seminar on Endoscopy. Theory and Practice

11/06/2014 - 13/06/2014

● **Ultrasound Training-Course, Clinica veterinaria San Martino, Salò**

15/02/2013 - 17/02/2013

● **Aquatic Medicine Seminar - Shark Reef Aquarium, Las Vegas, USA**

10/10/2007 - 13/10/2007

● **Chemical Immobilization of Animals Course Safe Capture International Inc., WI, USA**

Chemical Immobilization of Animals Course, October 2007. Safe Capture International Inc. Specialization course in anesthesia of animals in captivity and in the wild. Trained in the safe use of blowguns, long-range projectors, darts, personal protective equipment and radio tracking associated with the darts devices.

22/08/2007 – 25/08/2007

● **Humane Handling and Care of Aquatic Animals Course Fish and Wildlife Service/National Conservation Training Center, Shepherdstown, WV, USA**

Specialized course in pain management in aquatic animals, ethics of killing, disinfection protocols. Animal welfare, manipulation and management of surgeries in aquatic animals.

15/01/2007 – 17/01/2007

● **Laboratory Animal Surgery Course University of Wisconsin Research Animal Resources Center Madison, WI, USA**

Training on surgical techniques in laboratory animals.

OTHER PROFESSIONAL TRAINING

04/2012

Volunteer Veterinarian, Sea World, San Diego, CA, USA.

Worked at the Sea World Park veterinary team: cetaceans, pinnipeds, birds, and land mammals. Applied diagnostic imaging, anesthesia, and surgical medical treatments.

10/2009

Population survey of the California sea lion, San iguel Island, CA, USA

09/2007 - 06/2008

Volunteer Veterinarian and Clinical Training, University of Wisconsin, Madison, WI, USA

Trained by Graduates of the American Zoo Animal College. Responsible for client management, therapy decision making, student training, and surgical operations.

09/2007 - 06/2008

Volunteer Veterinarian Milwaukee County Zoo, Milwaukee, WI, USA

Trained by the Zoo veterinarians, in anesthesia, treatments, manipulation, surgery of the animals in the collection

09/2007

Volunteer Veterinarian, International Crane Foundation, Baraboo, WI, USA

09/2007

Chronic Wasting Disease Surveillance, Wisconsin Department of Natural Resources, WI, USA

07/2006 - 12/2006

Internship in Wildlife Disease Research - USGS National Wildlife Health Center - USA

United State Geological Survey - National Wildlife Health Center - Department of Interior, Madison, WI Stati Uniti

10/2006

Free-ranging black-footed ferret annual vaccination program, Prairie Wildlife Research, Wall, SD, USA

01/2006 - 06/2006

Small Animal Medicine Internship Ospedale Veterinario San Francesco - Trieste Italia

04/2005

Laboratory Clinical Analysis Course, Dolphin Discovery, Cancun, Mexico

01/2005 - 03/2005

Marine Mammal Research Externship Dolphin Discovery, Cancun, Mexico

Volunteer veterinarian added to the park's medical team: routine checks on animals including dolphins, non-human primates, and birds. Clinical examinations, therapies, samplings.

03/2005

Field work in Free-ranging Manatee Health Projecto Manatee, El Colegio de la Frontera (ECOSUR), Chetumal, Mexico

Veterinarian in Manatee Population Monitoring Project in Chetumal Bay, Mexico. Trained in capturing wild manatees, collecting biological samples, and using satellite tools.

10/2004 - 11/2004

Zoological Collection Animal Care Externship Mundomar
Marine Animal Park, Benidorm, Spain

NETWORKS AND MEMBERSHIPS

2019 - CURRENT

Italian Society of Anti-Infective Therapy (SITA)

2018 - CURRENT

Italian Association of Digital Health and Telemedicine (AiSDET)

Refertne Liguria per AiSDET

2019

EpiCore - Certificate Expert Member

2018

IUCN Wildlife Specialist Group

2015

European Association Aquatic Animal Medicine (EAAAM)

European pinnipeds referent

2010

International Association Aquatic Animal Medicine (IAAAM)

Student Liaison Committee Member: annual evaluation of international student abstracts for scholarships

PUBLICATIONS

- **Lymphocyte apoptosis in septicaemic sandbar sharks (Carcharhinus plumbeus, Nardo 1827)**
2017
Gian Enrico Magi, Claudia Gili, **Nicola Pussini**, Livio Galosi, Giacomo Rossi. September 2017, Conference: 18 th International conference on diseases of fish and shellfish, At: Belfas
- **Safer protocols for field anesthesia of leopard seals (Hydrurga leptonyx)**
2015
Nicola Pussini and Michael E. Goebel. Marine Mammal Science Volume 31, Issue 4, pages 1549-1558, October 2015
- **Evaluation Of Monkeypox Virus Infection Of Black Tailed Prairie Dogs**
2014
Elizabeth A. Falendysz, Angela M. London, o-Navas, Carol U. Meteyer, Nicola Pussini, Juan G. Lopera, Jorge E. Osorio, Tonie E. Rocke. 2014, Journal of Wildlife Diseases 5C (3).
- **Pharmacokinetics of ceftiofur crystalline-free acid (EXCEDE sterile suspension) administered via intramuscular injection in wild California sea lions (Zalophus californianus).**
2013
Meegan J., Collard W.T., Grover G.S., **Pussini N.**, Van Bonn W.G., Gulland F.M.. J Zoo Wildl Med. 2013 Sep;44(3):714-20
- **Magnetic Resonance Imaging Reveals That Brain Atrophy Is More Severe In Older California Sea Lions With Domoic Acid Toxicosis**
2012
EW Montie, E Wheeler, **N Pussini**, TWK Battey, W. Van Bonn, F Gulland. 2012 Harmful Algae 20 (2012) 19-29
- **Antemortem diagnosis of a ventricular septal defect in a California sea lion Zalophus californianus**
2011
[Sophie E Dennison](#), [William Van Bonn](#), [Marjorie Boor](#), [James Adams](#), [Nicola Pussini](#), [Terry Spraker](#) and [Frances M D Gulland](#); [Dis Aquat Organ 94\(1\):83-8](#).(2011)
- **FSR2011_AMLR_FINAL Pinniped Research at Cape Shirreff Livingston Island Antarctica 2010-2011 Field Season Report Objectives Accomplishments and Tentative Conclusions**
2011
Michael Goebel, **Nicola Pussini**, Ray Buchheit, Kevin Pietrzak, Douglas Krause, Amy Van Cise, and Jennifer Walsh
- **Evidence of injury caused by gas bubbles in a live marine mammal: barotrauma in a California sealion (Zalophus californianus)**
2011
W. Van Bonn, E. Montie, S. Dennison, N. Pussini, P. Cook, D. Greig, J. Barakos, K. Colegrove, F. Gulland; [Dis Aquat Organ 96: 89-96](#) (2011)
- **Magnetic resonance imaging quality and volumes of brain structures from live and post mortem imaging of California sealions with clinical signs of domoic acid intoxicosis**
2010
E. Montie, E. Wheeler, **N. Pussini**, T. W.K. Battey, J. Barakos, S. Dennison, K. Colgrove, F. Gulland 2010 *Diseases of Aquatic Organism* 91:243-256

● **Consumption of baits containing raccoon pox-based plague vaccines protects black-tailed prairie dogs (*Cynomys ludovicianus*)**

2010

T Roche, N Pussini, SR Smith, J Williamson, B Powell, J Osorio. *Vector Borne Zoonotic Dis.* Jan-Feb;10(1):53-8 (2010)

● **Neuroanatomy and volumes of brain structures of a live California sea lion (*Zalophus californianus*) from magnetic resonance images**

2009

EW Montie, **N Pussini**, GE Scheider, TWK Battey, S Dennison, J Barakos, F Gulland. 2009 *The Anatomical Record* 292:1523-1547

DIGITAL SKILLS

Introduction to Big Data - UC San Diego / Microsoft Office (excellent) / Microsoft Excel / Microsoft Powerpoint / Microsoft Word / Social Media

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S):

English

Listening C2	Reading C2	Spoken production C2	Spoken interaction C2	Writing C2
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Spanish

Listening B1	Reading A2	Spoken production A2	Spoken interaction A2	Writing A1
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