

## CURRICULUM VITAE



### PERSONAL INFORMATION

Name	Marco Galeotti	
Place and Date of birth	Florence, 24.11.1956	
Home Address	Via Cividina 296/A/2, 33100 Martignacco, (UD) Italy	
Nationality	Italian	
E-mail	Marco.galeotti@uniud.it	
Work Address	University of Udine Department of Food Science via Sondrio 2/A, 33100, Udine, Italy	
Phone	+39 0432 558594	
Fax	+39 0432 558130	
Mother tongue	Italian	Italian
Second language	English	English
EDUCATION	1982 obtained the 2nd degree (Graduate) in Veterinary medicine at University of Bologna	
ADDITIONAL COURSES	1991/1998 Training to the European College of Veterinary Pathology (E.C.V.P.).	

## WORK EXPERIENCE

### ACADEMIC POSITION

**Full Professor** ( 2000) of General Veterinary Pathology and Fish Pathology, Faculty of Veterinary Medicine, University of Udine, Italy

**Graduated** (1998) at the European College of Veterinary Pathology (E.C.V.P.).

**Associated Professor** (1991) of General Comparative Pathology, Agriculture Faculty, University of Udine

1986 **Teaching contract** of General Comparative Pathology, Agriculture Faculty, University of Udine.

### ACADEMIC COMMITTEE

**Didactic Commission** of the Faculty of Veterinary Medicine, University of Udine (2007 -ongoing)

"**Collegiate of Doctorate Research** " (1991-ongoing)

**State Exam Commission** dottore Agronomo e dottore forestale, Section Animal Science (1999)

**Academic Senate** of the University of Udine (2001/2007)

**Tutoring Commission** of the University of Udine (1991 -2006)

**Research Commission** of the University of Udine (2004 -2007)

### ACADEMIC ROLES AND RESPONSABILITIES

**Delegate to the Rector** for the relationship with developing countries (2008-ongoing)

**Deputy Dean** of the Faculty of Veterinary Medicine, University of Udine (2010-ongoing)

**Dean** of the Faculty of Veterinary Medicine, University of Udine (2001/2007)

**Director** of the International master “ Diagnostic Applications of Biotechnology” (2006-2009)

**Deputy Director** of the Animal Science Department. University of Udine (2001)

**Italian branch officer** of the European Association of Fish Pathologists (2001-ongoing)

**Coordinator** of the Veterinary Pathology Section of the Department of Food Science. University of Udine (2011-ongoing)

**Coordinator** of the Animal Biology and Pathology Section of the Animal Science Department. University of Udine (2000/2010)

**Supervisor** of the laboratories of Histopathology/Immunohistochemistry and Immunology of the Animal Science Department. University of Udine (1990/2000)

**Supervisor** of the laboratory of Immunohistochemistry of the Veterinary Pathology Institute, University of Bologna (1986/1990)

### EXPERIENCE AS CO-ORDINATOR OF WORKING SCIENTIFIC INTERNATIONAL WORK AND MULTIDISCIPLINARY THEMATIC

Professor Marco Galeotti has frequently constituted and co-ordinated multidisciplinary workshops which discussed important themes of interest in the sector of hygiene of animals, hygiene and security of animal origin food, animal production, aquaculture and fish pathology.

#### **Organising and creating at National level of Degrees and Specialised Degrees**

Animal Health and Hygiene (classe 40)

Science of Animal Production (classe 40)

Certificate and security in animal husbandry (classe 79s)

Aquaculture (classe 79s)

#### **National and International co-ordination of multidisciplinary research groups from which**

Research project founded by European Community (FAIR - CT97 - 3449) on “*Fish Pasteurellosis: research applied on a vaccine development*”.

### OTHER RESPONSIBILITY CHARGES HELD

Member of the Committee for Scientific Research and Technology applied to fisheries and aquaculture of the Italian Ministry of Agriculture and Forestry, (2009-ongoing)

## ACADEMIC TEACHING EXPERIENCE

Study program: University degree (5 years) Animal Production Science, University of Udine,

Course: General Comparative Pathology (1986/2000)

Study program: University degree (3 years) Hygiene and Animal Health, Univ. of Udine,

Courses: General Veterinary Pathology (2000-ongoing)

Study program: University degree (3 years) Hygiene and Animal Health, Vocation Aquaculture and Fish pathology, University of Udine,

Courses: Fish Diseases (2000-ongoing)

Study program: University Master (2 years) in Animal Science, University of Udine,

Course: Systemic Pathology of Fish (2000/2009).

Study program: University degree (3 years) Hygiene and Pathology of Aquatic Organisms, University of Camerino (Italy)

Courses: Fish Diseases (1999-2000)

Study program: Post-University degree School of Veterinary Specialization (Farming, Sanitation, pathology of aquatic organisms), University of Udine,

Courses: General Pathology and Immunology of Fish, Systemic Pathology of fish. (1995-ongoing)

## PROFESSIONAL EXPERIENCE

- Attendance at the Aquaculture Institute of Stirling University (UK) to improve knowledge on fish pathology, and immunological techniques on the evaluation of fish immune system. (1993)
- Attendance at the Animal Pathology Laboratory, Faculty of Veterinary Medicine (Gent, Belgium). Training in immunohistochemical methods for the detection of antigens on histological sections. (1986)
- Attendance at daily practice training in histopathology laboratory at the Veterinary Pathology Institute, University of Bologna, to learning criteria for histopathological evaluation of tissue lesions from several mammalian and fish diseases. (1983-1990)

## CURRENT RESEARCH

- Study of agents causing infectious diseases of fresh water and marine fish.
- Study of immune system of fish, evaluation of the immunological parameters to control the efficiency of the immune response, after vaccination, immunostimulation, stress response.
- Research on causative agents of fish diseases and pathogenesis.
- Biomolecular research on fish immune system and applied research on vaccine development

## MAIN RESEARCH ACTIVITY AND SCIENTIFIC COMPETENCE

Experience mainly in the study of pathogenesis of infective diseases that interest domestic animals. For more than fifteen years, the research has been focalised on aquaculture of fish for Italy and U.E. This activity has interested 2 main sectors:

1. the study of agents causing infective diseases of fresh water and salt water fish, the study of the pathogenesis of these diseases includes the valuation of the factor of risk for the food security connected to the presence of pathologies in fish;
2. the study to improve the knowledge of immune system of fish ,the evaluation of the immunological parameters to control the efficiency of the immunological state of the fish and use the parameters for the valuation of the welfare of the reared fish.

Researches have been developed related to the following arguments.

### **Research on causative agent of fish disease and pathogenic study:**

- a. immunohistochemical study of Infectious haematopoietic necrosis virus (IHN) in rainbow trout;

- b. immunohistochemical study of Streptococcosis caused by *Lactococcus garviae* in rainbow trout;
- c. pathologies affecting intensively reared sea bass, and sea bream with particular interest to pasteurellosis caused by *Photobacterium damsela* sub. *piscicida*, vibriosis cause by *Vibrio* spp., nodaviriosis caused by Viral Encephalopathic Necrosis virus (VEN-VER) affecting sea bass; characterisation of lesions determined by "Winter Syndrome" in reared gilthead sea bream;
- d. histological and ultrastructural evaluations on the phenomenon of opercular anomalies in gilthead sea bream;
- e. employment of histology and immunocytochemistry for physio-pathological evaluation of larvae of marine finfish species to establish a criteria for an histological "grading".

**Biomolecular research on immune fish system of fish and applied research on vaccine development:**

- a. application of immunological techniques for the evaluation of non-specific immunity in rainbow trout and sea bass (phagocytosis and respiratory burst) to be applied as criteria to evaluate the fish welfare;
- b. optimisation of in vitro culture of sea bass leukocytes, stimulation with mitogens and evaluation of cellular proliferation;
- c. evaluation of immunosuppressive induced status caused by uncorrected rearing techniques and caused by transmissible pathogens;
- d. development of vaccine and vaccine application trial on photobacteriosis in sea bream and sea bass and streptococcosis in rainbow trout.
- e. evaluation and application of immunostimulant substances to be used to improve the resistance of fish to stress induced to diseases and rearing and transporting conditions;

RELEVANT RESEARCH FUNDING

2010/2012 Scientific co-ordination of the project "Innovative methods of vaccination of post-larval sea bass against *Photobacterium damsela piscicida* and *Vibrio anguillarum*: monitoring the immune response after vaccination." two years duration. PRIN prot. 2008ZWXZ2N.

2011/2013 - Scientific co-ordination of the project "Innovation of the chain of iridea regional trout for the quality improvement 'and interaction with the environment" IRIDEA. Regional Financing FVG (Art. 17 LR 10 November 2005, n 26)

2009/2010 "Vectors of oral vaccines for fishes." Project Friuli Venezia Giulia Region

2009/2010 Scientific co-ordination of the project "Concerted Action for the identification of scientific contributions to the development of organic aquaculture in Italy: focus on Food/human nutrition and prevention and treatment of diseases in farmed species." First Three-Year Plan for Fishery and Aquaculture - DM October 2, 2008 MIPAF.

2007 Scientific co-ordination of a national financial grant provided by MiUR – PRIN 2007 to perform researches on the "Modulation of immune response in sea bass (*D. labrax*) submitted to infection with a bacterial agent and vaccination". Project number 6C 157.

2006 Scientific co-ordination of a national financial grant provided by Mi.P.A.F. (VI PIANO) to perform researches on the "Establishment of a system of parameters to evaluate the quality of the rainbow trout production chain". Project number 6C 157.

2005/2007 "Genetic improvement of farmed sea bass, *D. labrax*: strain testing and response to selection" Competus. Two years project, Co-ordinator of the Udine Unit. European Union, Cooperative Res. Project 017633, Sixth Framework Programme.

2003/2005 "Estimation of genetic parameters for sea bass" Heritabolum – Co-ordinator of the Udine Unit.

European Union (Q5CR-2002-71720).

2005 Scientific co-ordination of a regional financial grant provided by E.T.P.FVG, to perform researches on the "Establishment of presence of reservoir for viral diseases, in wildlife fish in Friuli Venezia Giulia rivers, by an RT-PCR evaluation system".

2005 Scientific co-ordination of a regional financial grant "Vaccination programme red mouth disease ".Yearly programme (Ref Legge regionale 164/98, Presidential decree Autonomous Region Friuli Venezia Giulia, October 2003 n. 0350/Pres.

2005 Scientific co-ordination of a regional financial grant "Immunogenicity of antigenic fractions/*Lactococcus garvieae*/ and their relevance in the pathogenesis fish lactococcosis" -- Yearly programme. Legge 164/98. Presidential decree Autonomous Region Friuli Venezia Giulia, October 2003 n. 0350/Pres.

2003 Scientific co-ordination of a Regional project funded by Friuli Venezia Giulia, concerning a "Vaccine development against streptococcosis affecting rearing rainbow trout". Two years programme.

Region Friuli Venezia Giulia (L.R 3/98 art. 16).

1997/2000 Scientific co-ordination of Udine Unit, "Fish pasteurellosis. Applied research on vaccine development". Four-year project. European Union (FAIR - CT97 - 3449).

2000 Scientific co-ordination of a national financial grant provided by N° U.N.I.P.R.O.M.(Rome) to perform researches on the "Immunological parameters to evaluate the immunological status of sea bream reared on organic protocol".

1999 Scientific co-ordination of a Regional project founded by Friuli Venezia Giulia, concerning "Investigations on the pathogenesis of streptococcosis affecting rainbow trout".

1999 Scientific co-ordination of a national financial grant provided by N° Mi.P.A.F. (V PIANO) to perform researches on the" Pathologies affecting larval stages of gilthead sea bream and newly reared species as grouper and yellowtail" .

1997 Scientific co-ordinator of the Research Unit of the Udine University Research project founded by European Community (FAIR - CT97 - 3449) on "Fish Pasteurellosis: research applied on a vaccine development".

1997 National financial grant provided by N° MI.R.A.F. (IV PIANO) to perform researchers on "Winter Disease" of reared gilthead sea bream".

1996 National financial grant provided by N° MI.R.A.F. (IV PIANO) to perform researchers on "The study of the causative agent and the pathogenesis of the fish pasteurellosis of reared sea bass".

#### MANAGEMENT OF EUROPEAN PROJECTS IN HIGHER EDUCATION

Co-ordinator of the project "Linking Institutions for Veterinary Education - LIVE", ACP-EU Cooperation Programme in Higher Education (EDULINK) – 9th European development Fund, Contract No. 9-ACP-RPR-118#6 (2008-ongoing) ([www.edulink.uniud.it](http://www.edulink.uniud.it))

Countries involved: Italy, Cameroon, Chad, Gabon, Equatorial Guinea.

Co-ordinator WP "International Course in Veterinary Medicine", Lifelong Learning Programme: ERASMUS Project no: 142696-LLP-1-2008-1-PT-ERASMUS-ECUE Contract no: 2008-3213/001-001. Title "Future Skills For Biotechnology (Acronim: FS-Biotech)"

Lifelong Learning Programme: ERASMUS Project n°134310-LLP-1-2007-1-IT-ERASMUS-ENW Contract no: 2007-2566/001-001; Title : EUROBIOTECH-European Biotechnology (2007-2010)

#### MANAGEMENT OF NATIONAL PROJECTS IN HIGHER EDUCATION AND INTERNATIONALIZATION

Scientific co-ordinator of the International Master, in "Biotechnology Medical Application" financial grant provided by MiUR, Project number n° 282 A (Art. 23 – D.M. 05.08.2004, note 8 november 2005 – Prot. 1919). (2006/2008)

Scientific co-ordination for the University of Udine of a national financial grant provided by MiUR “International First Level Degree “Job Creation Oriented Biotechnology”, in co-operation with Perugia University. (2002-2010).

#### INTERNATIONAL COOPERATION

Co-ordinator of the international cooperation project “Food safety Agency in Cameroon” funded by Autonomous Region Friuli Venezia Giulia (L.R. 19/2000) (2008-ongoing)

Scientific co-ordinator of a national financial projects: grant provided by Regione Friuli Venezia Giulia in the call “Project of Co-operation for sustainable development” L.R. n. 19/2000 to organize a post-level degree course on “Food Safety of Animal Products”. The course has been organized in Yaoundè- Cameroon in collaboration with the University of Yaoundè 1 and Ministry of Livestock and Animal Production Industry of Cameroon. The aim of this project is to improve the knowledge of the veterinarians of Cameroon in the field of Food safety and animal inspections. The Courses has been developed along three year from 2006 to 2008, and it has been attended by 70 veterinarians. (2006-2008)

#### ORGANIZATIO OF NATIONAL AND INTERNATIONAL CONFERENCES

President of the Organizing Committee “LVIII Convegno annuale della Società Italiana delle Scienze Veterinarie (SISVET)”. Grado dal 23 al 25 settembre 2004.

President of the Organizing Committee “13th International Conference on Fish and Shellfish Pathology”, Grado 16 – 21 Settembre 2007

President of the Organizing Committee “1th International Workshop “Human and Animal TSE”, Grado 26 – 28 Giugno 2008.

#### INTERNATIONAL COLLABORATIONS

- Institute of Aquaculture, University of Stirling (UK), Aquatic Vaccine Unit, Coordinator Dr. Sandra Adams.
- Laboratory of Fish and Shellfish Disease, College of Veterinary Medicine. Gyeongsang National University, South Korea. Head, Dr. Jung Tae-sung.
- Israel Ocean. e Limonol. Res. L.t.d. National Centre of Mariculture. Heilat (Israel), Laboratory of Fish Pathology. Head, Dr. Angelo Colorni.
- Cefas Weymouth Laboratory, Weymouth, Dorset (UK). Aquatic Animal Disease. Head, Dr. Stephen W. Feist.
- HAKI Szarwas research Institute, Hungary. Dr. Galina Jeney.
- Department of Marine Science, Aegean University, University Hill, Mytilene 81100 Greece, Dr. Bakopoulos Vassilis Assistant Professor

#### MEMBESHIPS

European College of Veterinary Pathology (ECVP)

European Society of Veterinary Pathology (ESVP)

European Association of Fish Pathologists (EAFP)

Associazione Italiana di Patologia Veterinaria (AIPVet)

Società Italiana di Patologia Ittica (SIPI)

Società italiana delle Scienze Veterinarie (SISVet)

#### PEER REVIEWING

Fish and Shellfish Immunology,  
Disease of Aquatic Organisms,

Journal of Fish Diseases  
Veterinary Record  
Polish Veterinary Journal







