

CURRICULUM VITAE

Name: Francesco Tolari

Date of birth: 13.06.1948

Place of birth: Barga (Lucca) - Italy

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Professional profile: Degree in Veterinary Medicine, Full professor, Veterinary Virologist

Teaching activity in the area VET05 (Infectious diseases of domestic animals)

- Veterinary virology, Veterinary public health (Degree in Veterinary Medicine);
- Immunological and virological diagnosis (Master in Clinical biochemistry and laboratory veterinary medicine);
- Veterinary virology (PhD courses on "Epidemiology and control of zoonosis" (Bologna University) and "Veterinary Medicine" (Pisa University)).

Research activity, topics of interest

- Retroviral infections of sheep and goats: development and application of new diagnostic tests, epidemiology, strategies of control and eradication;
- BoHV-1 infections in cattle: epidemiology, strategies of control and eradication;
- BVD infection: diagnostic methods to detect immunotolerant persistently infected cattle;
- zoonotic role of Hepatitis E Virus (HEV);
- development of new strategies of vaccination against viral diseases of animals;
- environmental virology: detection of *Bacteroides fragilis* phages and somatic coliphages in mussels.

Recent researches (granted by)

- Collaboration to the project "Fortalecimiento de la red de salud en el Chaco Boliviano: una perspectiva comunitaria" (Italian Ministry of Foreign Affairs)
- Development of virus like particles for the immunization of cattle against epizootic haemorrhagic disease virus. Supervisor of the project. (Italian Ministry of University, grant "rientro dei cervelli" - 2009)
- Collaboration with Istituto Zooprofilattico delle Venezie, project "Monitoring of avian influenza in the field with a prototype of mobile laboratory (Fondazione Monte dei Paschi di Siena, grant 2007 and 2008)
- Development of PCR and ELISA for the diagnosis of Hepatitis E Virus infections in animals and phylogenetic studies on animal viral isolates (Italian Ministry of University, 2006)
- Evaluation of sea water pollution by means of detection of bacteriophages in *Mytilus galloprovincialis* (Italian Ministry of Environment);
- Evaluation of Lentivirus vaccination strategies in sheep (European Union);
- Evaluation of molecular diagnostic techniques for diagnosis of ovine retrovirogenesis (Italian Ministry of University, 2001);

- Development and evaluation of novel molecular diagnostic tests for the detection of Maedi Visna Virus infection (European Union);
- Evaluation of methods of eradication of BoHV-1 infection in cattle (Turin University);

Laboratory expertise

Diagnosis of infectious diseases of animals with particular reference to small ruminant lentiviruses infections, BoHV-1 infections, Equine Herpesvirus infections, Aujeszky disease, Pestivirus infections.

Education and training

- Degree in Veterinary Medicine cum laude (Pisa University, 1972);
- Registered with Professional Body (Albo dei Medici Veterinari, Province of Lucca, 1972);
- Postgraduate degree in "Pathology of companion animals" (Pisa University, 1976)
- Scholarship, Institute of Veterinary Medicine (Pisa University, 1972 - 1975);
- 1980 British Council scholarship for 6 months, Diseases of breeding Department, Central Veterinary Laboratory, Weybridge, UK;
- 1984 British Council scholarship for 2 months, Virology Department, Central Veterinary Laboratory, Weybridge, UK.

Knowledge of languages

| | <i>Reading</i> | <i>Writing</i> | <i>Speaking</i> |
|---------|----------------|----------------|-----------------|
| Italian | Mother tongue | Mother tongue | Mother tongue |
| English | Advanced | Advanced | Advanced |
| Spanish | Intermediate | Elementary | Intermediate |

Informatics

MSDOS and Windows environments.

Programmes: Word for Windows, Excel, Power Point, Internet Access Programs.

Professional experience in Italy

- 1997 - to date Full Professor (Pisa University);
- 1998 - 2002 Director of the Animal Pathology Department (Pisa University);
- 1994 - 1997 Full Professor (Turin University);
- 1990 - 1994 Associated Professor (Turin University);
- 1987 - 1990 Associated Professor (Pisa University);
- 1981 - 1987 Full Researcher (Pisa University).
- 1975 - 1981 Researcher (4+2 year contract), Institute of Infectious Diseases, Veterinary Faculty (Pisa University);
- 1972 - 1975 Work in Veterinary Practice.

Professional experience abroad

- July 2010, Visiting Professor at the Department of Microbiology, College of Medicine, Blantyre, Malawi
- May 2010, Santa Cruz de la Sierra, Bolivia Expert of the NGO Oxfam Italia in the project granted by the Italian Ministry of Foreign Affairs "Fortalecimiento de la red de salud en el Chaco Boliviano: una perspectiva comunitaria"
- May 2008, Visiting Professor at the *Centre de Recerca en Sanitat Animal* (CRESA), Barcelona, Spain;
- 2007 Visiting Professor at Al Isra University, Amman; Jordan University of Science and Technology, Irbid; Philadelphia University, Amman; Jordan bio-industries center, Amman (Jordan);

- 2006 Visiting Professor in the frame of ERASMUS project, Facultad de Veterinaria, Universidad Autonoma de Barcelona, Spain;
- 2005 Expert of the Italian Foreign Ministry at the Animal Husbandry and Veterinary College of Xining, Qinghai, China;
- 2004 Visiting Professor in the frame of ERASMUS project, Facultad de Ciencias Experimentales y de la salud, Universidad Cardenal Herrera, Valencia, Spain;
- 2001 Expert of the European Association for Veterinary Education, evaluating the Veterinary Faculty of Leon, Spain;
- January – June 1982 and March – June 1983 Expert of the Italian Ministry of Foreign Affairs in the Veterinary Faculty of National University of Somalia, Mogadiscio.

Additional information

- 2010 Acting Consultant of the Judge (Court of Turin) for a legal dispute on the presence of infectious agents in raw milk;
- 2008 appointed by the Piemonte regional veterinary service as a member of the crisis unit to face the problem of bluetongue;
- 2007 and 2008 appointed as referee for the following journals: Veterinary microbiology, Vector borne and zoonotic diseases, Veterinaria.
- 2006 appointed as a Member of the High Council of the Italian Health Ministry;
- 2003 Expert for evaluation of research activity in the Veterinary Public Health and Animal Pathology Department, Bologna University;
- 1997 – 2002 Member of the Management Committee in the European project COST 834 “Lentiviral infections of small ruminants”;
- 1997 Acting Consultant of the Judge (Court of Turin) for international legal disputes on the origin of an outbreak of swine vesicular disease in imported animals;
- 1995 – 1998 Member of the Scientific Committee of the “Italian Society of Veterinary Sciences”.

Scientific publications

N° 143 publications on national and international journals, main topics on animal infectious diseases and microbiology. For a list of recent publications see the web site: <http://arp.unipi.it/listedoc.php?ide=003083&ord=C>

Patent co-authorship

Saman Eric, Badiola Juan, Tolari Francesco, Ramon A.Juste, Derek Waddell, “Immunodiagnostic reagent for the detection of Maedi-visna virus infection”, n. EP98870101.7, BELGIUM (1998);

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