

PERSONAL INFORMATION**PAOLA DE SANTIS**

Tel. 0672596047

paola.desantis@izslt.it**POSITION HELD**

- *Highly Specialized Assignment (IAS3) from 23/02/2023 Laboratory of Applied Biotechnology to Foodstuffs Experimental Zooprophylactic Institute of Lazio and Tuscany "M. Aleandri".*
- Designated veterinarian of the Interdepartmental Center Station for Animal Technology, University of Roma2, Tor Vergata (art. 24, Legislative Decree 26/2014) since 2010.
- OPBA member for Animal Experimentation of the University of Roma2, Tor Vergata (art. 25, Legislative Decree 26/2014) since 2014
- Member Ethics Committee of the Animal Technology Station of the University of Rome2, Tor Vergata since 2010.
- Member of the Technical Scientific Committee of the Interdepartmental Center Station for Animal TechnologyUniversity of Rome Tor Vergata since 2010.

Italian Nationality

PROFESSIONAL EXPERIENCE01/02/2019
present**Senior veterinarian, full-time permanent employee**

Istituto Zooprofilattico Sperimentale del Lazio e della Toscana, Via Appia Nuova 1411, Rome

Highly specialized facility assignment (IAS3), laboratory manager in charge of the Food Applied Biotechnology Laboratory, Food Microbiology Operations Directorate, with the following functions:

- Coordination and management of laboratory activities and methods accredited according to ISO/IEC 17025, with respect to Official Control and Regional Plans for residue detection NRP and NAPA on food products of animal and plant origin intended human and animal consumption.
- Coordination and management of biomolecular investigations during foodborne toxic episodes.
- Development of biomolecular methods for research and characterization of infectious agents and pathogenicity factors of bacteria and viruses transmitted to humans by food of animal and plant origin.
- Responsible for the execution of projects assigned to the Applied Food Biotechnology facility in collaboration with other facilities of the Institute and external operating units.
- Coordination and management of HTS sequencing activities of foodborne pathogenic bacteria and food and environmental metagenomics with Next Generation Sequencing systems.

Activity or sector: Food safety

01/02/2004
31/01/2019**Senior veterinarian, full-time permanent employee**

Istituto Zooprofilattico Sperimentale del Lazio e della Toscana, Via Appia Nuova 1411 , Rome

Appointment as a simple facility from 1/10/2008 to 31/01/2019, head of the Applied Biotechnology Laboratory for Food Safety, with the following functions:

- Management of personnel assigned to the facility.
- Management of laboratory activities and methods accredited according to ISO/IEC 17025, with respect to Official Control and Regional Plans for residue detection PNR and NAPA on food products of animal and plant origin intended human and animal consumption.
- Management of biomolecular investigations during foodborne toxic episodes.
- Development of biomolecular methods for the detection and characterization of bacterial and viral infectious agents transmitted to humans through foods of animal and plant origin.
- Development of biomolecular methods for characterization of pathogenicity factors of bacteria and viruses in food human consumption.
- Project and Operational Unit scientific responsible for research funded by the Ministry of Health in collaboration with other IIZSS, the Istituto Superiore di Sanità and international bodies (VLA, Addlestone, UK) and the Universities of Cagliari and Roma2 Tor Vergata.

Activity or sector: Food safety

02/02/2010 *Designated Veterinarian* of the Interdepartmental Center Station for Animal Technology (STA), University of Rome2 present Tor Vergata, MIINSAL Prot. 0001644-P-02/02/2010, dated 2-2-2010, with the following functions:

- Management and evaluation of the health status of laboratory animals housed at the STA and animals in transport to and from other Animal Stations.
- Organization of treatment plans and health surveillance.
- Veterinary consultation during animal experiments.
- Management of drug use and registration, including management and registration of narcotic and anesthetic drugs.
- Member of the Ethics Committee (OPBA) for Animal Experimentation at the University of Rome Tor Vergata, with the following functions:
- Participation in ethics and technical committee meetings of the Interdepartmental Center Animal Technology Station (STA).
- Evaluation of experimental protocols with regard to animal welfare according to current legislation: Legislative Decree 26-2014 and Directive 2010/63/EU on the Protection of Animals Used for Scientific Purposes.

Activity or sector: Animal welfare

2003-2004 *Senior veterinarian, full-time permanent employee*
Experimental Zooprophylactic Institute of the Abruzzo and Molise regions "G. Caporale," Via Campo Boario , Teramo

Highly specialized appointment (July 25, 2003-January 31, 2004):

Development of sequencing methods, phylogenetic analysis of ruminant bluetongue virus and molecular diagnostic methods for differentiation between wild -type and vaccine virus infections, molecular epidemiological surveillance of bluetongue virus. Cloning and production of recombinant proteins in *E. coli* and baculovirus.

Project and Operational Unit scientific officer, for research funded by the Ministry of Health in collaboration with other IIZSS, the National Institute of Health and international bodies.

Activity or field: Molecular diagnostics of pet diseases, Animal Health.

2001-2003 **Senior veterinarian, full-time permanent employee**
Experimental Zooprophylactic Institute of the Abruzzo and Molise regions "G. Caporale," Via Campo Boario , Teramo

Head of *Simple Facility*, Genetics and Molecular Biology Department (March 1, 2001-July 24, 2003):

- Management of personnel assigned to the facility.
- Management of laboratory activities and methods with regard to molecular methods for the diagnosis and study of exotic diseases in collaboration with the Center for the Study of Exotic Diseases of Domestic Animals (CESME).
- Management of biomolecular methods applied to food safety during toxinfectious episodes, diagnosis of brucellosis, tuberculosis and mycoplasmosis of farm animals.
- Development of biomolecular methods for characterization of pathogenicity factors of bacteria and viruses in food and during disease outbreaks. Diagnosis *E. coli* VTEC, *Salmonella* and *Listeria* in foods humans.
- Project and Operational Unit scientific officer, for research funded by the Ministry of Health in collaboration with other IIZZSS, the National Institute of Health and international bodies.

Activity or field: Molecular diagnostics of pet diseases, Animal Health, Food Safety.

1996-2001 **Senior veterinarian, full-time permanent employee**
Experimental Zooprophylactic Institute of the Abruzzo and Molise regions "G. Caporale," Via Campo Boario , Teramo

Activities at the Animal Health Departmentin charge of implementing a Molecular Biology laboratory for the activation of PCR and other molecular methods (Western blotting Southern blotting and gene sequencing):

- PCR for diagnosis of Contagious Bovine Pleuropneumonia (CBPP), Equine Babesiosis, Contagious Agalactia of Small Ruminants, Bluetongue of Ruminants, Dog Hemoparasitosis, Leishmaniasis, Brucellosis, Chlamydiosis, Tuberculosis, Paratuberculosis, and West Nile Disease.
- Development of biomolecular methods for characterization of pathogenicity factors of bacteria and viruses in food and during disease outbreaks.
- Participation in European research projects: COST action 826 and project FAIR950711 CBPP.

Activity or field: Serological and molecular diagnostics of pet diseases, Animal Health.

1991-1996	Senior veterinarian, full-time permanent employee Istituto Zooprofilattico Sperimentale delle regioni Abruzzo e Molise "G. Caporale," Via Campo Boario, Teramo Assignment to the Center for the Study of Exotic Diseases (CESME) of the Experimental Zooprophylactic Institute of the Abruzzo and Molise Regions, Teramo, with task of supervising the restructuring of the maximum security laboratory and implementing serological and molecular methods for the diagnosis of exotic diseases of domestic animals and in particular: <ul style="list-style-type: none">• Complement fixation detection of antibodies for Equine Plague, Contagious Bovine Pleuropneumonia (PPCB), Equine Babesiosis.• ELISA for diagnosis of Japanese Encephalitis, contagious agalactia of small ruminants.• PCR for diagnosis of PPCB, Bluetongue of ruminants, contagious agalactia of small ruminants.• Development of biomolecular methods for characterizing pathogenicity factors of bacteria and viruses in food and during disease outbreaks. Activity or field: Serological and molecular diagnostics of pet diseases, Animal Health.
1986-1991	Freelance veterinarian Veterinary Clinic Dr. Roberto Dulcinati. Via Italo Svevo 13, Rome Pet clinic and surgery. Activity or field: Veterinary diagnostics, general and orthopedic surgery.
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EDUCATION AND TRAINING	
• 2012	Master II Level in Bioinformatics grade 108/110 University of Rome La Sapienza Master's Degree Acquisition of skills in bioinformatics, informatics, transcriptomic proteomics and metabolomics. Systems biology approach to research.
• 2005	PhD Life Sciences (.D.), grade not provided by title King's College London, University of London (UK) Degree of Doctor of Philosophy (PhD) Ph.D. thesis related to biomolecular aspects of mycoplasmas of animals particularly Contagious Bovine Pleuropneumonia (PPCB) and Contagious agalactia of small ruminants. Acquisition of molecular methods such as PCR and real time PCR, Southern blotting, Western blotting, ELISA, gene sequencing, primer design, gene cloning in <i>Escherichia coli</i> .
• 2002	Master's degree in molecular biology and biotechnology, grade not provided by title Università Cattolica del Sacro Cuore of Rome Master's Degree Further training with regard to major molecular biology methods.
• 1986 -1987	Annual theoretical-practical course on sanitation and sanitary supervision of fishery food products (from 6/10/1986 to 19/05/1987), grade not under title

Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise "G. Caporale" Sezione Ittica
"G. Ciani" Pescara
Certificate of attendance and profit
Species recognition and inspection of fishery food products

- 1986 State Examination for the **Degree in Veterinary Medicine, grade 107/120** University of Perugia, Faculty of Veterinary Medicine Licensing Diploma
Topics covered: Medical Pathology, Surgical Pathology, Medical Clinic, Surgical Clinic, Infectious Diseases
- 1985 **Degree in Veterinary Medicine grade, 110/110 cum laude**
University of Perugia, Faculty of Veterinary Medicine Graduate Diploma
Anatomy, Pathologic Anatomy, Medical Pathology, Medical and Surgical Clinic, Infectious Diseases

Mother tongue

Italian

Other languages

	UNDERSTANDING		SPEAKER		WRITTEN
	Listening	Reading	Interaction	Oral Production	
English	C1/2	C1/2	C1/2	C1/2	C1/2
Spanish	B1	B1	B1	B1	A1

Levels: A1/2 Basic Level - B1/2 Intermediate Level - C1/2 Advanced Level Common European Framework of Reference for Languages

International House Course
November 2003-March 2003 Level ascertained: C1/C2

Surrey Language Centre, Farnham, Surrey, England
Feb. 5, 1996-Feb. 16, 1996 Established level: Upper Intermediate

Communication skills

Good communication skills gained professional activity at the Experimental Zooprophylactic Institutes of the Abruzzo and Molise and Lazio and Tuscany regions, through training courses for the acquisition of communication skills related to communication in the work environment with colleagues and bosses and scientific communication through lectures and lessons.

PERSONAL SKILLS

Professional Competencies.

Implementation of diagnostic systems applied to pet diseases and food safety with special reference to molecular methods and application of the same to research activities. Formulation of research projects and collaboration with other scientific facilities for submission and execution of research projects funded by Italian and international institutions. Drafting of final reports of research projects. Participation in expert committees for the implementation of laboratories on behalf of the EU.

Organizational and management skills

Good management skills of personnel and diagnostic and research activities gained work, through management training courses aimed acquiring skills in managing relationships with bosses and co-workers and through the leadership of the entrusted laboratory as the person in charge of work activity in the field of diagnostics and research.
Good ability to handle, use and maintain scientific instrumentation.

PROFESSIONAL INTERNSHIPS

- 1983/84-1984/85

Intern at the Institute of Parasitology, University of Perugia. Study of parasitic zoonoses with particular reference to rickettsiosis man (Burdock Fever) execution of epidemiological studies on the spread of Rickettsia conori, in dogs in the regions of Lazio, Umbria and Marche.

Tutors:

Prof. Bruno Baldelli, Dr. A. Moretti

- July 13-28, 1996

Internship for the acquisition of new methods of cultivation and microbiological and molecular diagnosis of mycoplasmosis of ruminants, at the Veterinary Laboratory Agency, Weybridge (UK)

Tutor:

Dr. Roger Ayling

- 01 March-30 April 2001

Working collaboration of IZSAM with Centro de Investigación en Sanidad Animal (CISA-INIA) Algete, Madrid (Spain) aimed at the production of recombinant proteins of ruminant bluetongue virus in baculovirus for the development of molecular diagnostic systems

Tutors:

Dr. Juan Barcena and Dr. JM Sanchez-Vizcaino

- June 15-30, 2001.

Internship at the School of Veterinary Medicine, University of California, Davis (USA), acquisition of sequencing methods and phylogenetic analysis of bluetongue virus strains.

Tutors:

Prof. James MacLachlan and Dr. Udeni Balasuriya

- May 20-31, 2002.

Internship on diagnostic methods and viral characterization of West Nile disease virus, at the National Center for Infectious Diseases, US Department of Health and Human Services, Fort Collins, Colorado USA.

Tutor:

Dr. Robert Lanciotti

- July 9-21, 2007

Internship at Veterinary Laboratory Agency, Weybridge (UK) for DNA extraction methods, molecular identification by PCR, RAPD, PFGE, DGGE and western blotting, data analysis and presentation identification of lactobacteria.

Tutors:

Dr. R.A.J. Nicholas and Dr. Laura Mcauliffe

- September 20-26, 2012.

Tutor:

Internship at the University of Cagliari, DNA Sequencing Service Laboratory. Training on real time PCR and microarray methods for characterization of lactic acid bacteria.

Prof. Germano Orrù

- June 4-15, 2010.

Tutor:

Internship at the University of Cagliari, DNA Sequencing Service Laboratory. Training on "microarray" method and gene sequencing.

Prof. Germano Orrù

Good command of computer hardware and software systems on Windows, Mac and Linux platforms, basic knowledge of Unix language and rudiments of Perl programming language.

Medical Botany, Painting and Drawing, Carpentry

DRIVING LICENSE

B driver's license

COMPUTER SKILLS

See Attachment 1 Publications

See Attachment 2 Research projects

*See Attachment 3 Courses and
conferences See Attachment 4
Lectureships*

Processing of personal data

I authorize the processing of my personal data in the CV in accordance with the Decree Legislative Decree No. 196 of June 30, 2003 "Code on the Protection of Personal Data" and the GDPR (EU Regulation 2016/679).

Date 10-04-2024

Signature

MORE INFORMATION

See Attachments

Digitally signed by: PAOLA DE SANTIS
Place: Rome
Date: 11/04/2024 17:12:01

ANNEX 1: PUBLICATIONS

1. Collaboration in: Knijn A, Michelacci V, Gigliucci F, Tozzoli R, Chiani P, Minelli F, Scavia G, Ventola E, Morabito S; National Listeriosis Surveillance Working Group; IRIDA-ARIES User Group STEC; IRIDA-ARIES User Group Listeriosis; Italian Registry of Hemolytic Uremic Syndrome; European Union Reference Laboratory for Escherichia coli. IRIDA-ARIES Genomics, a key player in the One Health surveillance of diseases caused by infectious agents in Italy. **2023.** *Front Public Health.* doi: <https://doi.org/10.3389/fpubh.2023.1151568>.
2. De Sabato L., Suffredini E., Pasquale S. D., La Rosa G., **De Santis P.**, Giann marioli M., Vaccari G., & Bartolo I. D. **2022.** Novel subtypes and unexpected heterogeneity of hepatitis E viral strains in wild boar captured in a small area in Central Italy. *Transboundary and Emerging Diseases*, 69, e2541-e2550. <https://doi.org/10.1111/tbed.14598>.
3. Cardeti, G., Cersini, A., Manna, G., **De Santis P.**, Sciluna MT, Albani A, Simula M, Sittinieri S, De Santis L, De Liberato L. Detection of viruses from feces of wild endangered Macaca maura: a potential threat to moor macaque survival and for zoonotic infection. *BMC Vet Res* 18, 418. 2022. <https://doi.org/10.1186/s12917-022-03506-y> IF 2,792
4. Russini V, Corradini C, Rasile E, Terracciano G, Senese M, Bellagamba F, Amoruso R, Bottoni F, **De Santis P.**, Bilei S, De Marchis ML, Bossù T. A Familiar Outbreak of Monophasic *Salmonella* serovar Typhimurium (ST34) Involving Three Dogs and Their Owner's Children. *Pathogens*. **2022**; 11(12):1500. <https://doi.org/10.3390/pathogens11121500> IF 4,531
5. Russini V, Corradini C, De Marchis ML, Bogdanova T, Lovari S, De Santis P, Migliore G, Bilei S, Bossù T. Foodborne Toxigenic Agents Investigated in Central Italy: An Overview of a Three-Year Experience (2018-2020). *Toxins*. **2022**; 14(1):40. <https://doi.org/10.3390/toxins14010040>. IF 5.075.
6. Corradini C, Russini V, Migliore G, Varcasia BM, De Marchis ML, De Santis P, Lovari S, Bogdanova T, Bossù T, Bilei S. Report on the presence of *Salmonella* and *Campylobacter* spp. in fresh meat marketed in Italy, *European Journal of Public Health*, Volume 31, Issue Supplement_3, October **2021**, ckab165.282, <https://doi.org/10.1093/eurpub/ckab165.282> IF 3.367
7. Chelli, E.; Suffredini, E.; De Santis, P.; De Medici, D.; Di Bella, S.; D'Amato, S.; Gucciardi, F.; Guercio, A.; Ostanello, F.; Perrone, V.; Purpari, G.; Scavia, G.S.; Schembri, P.; Varcasia, B.M.; Di Bartolo, I. Hepatitis E Virus Occurrence in Pigs Slaughtered in Italy. *Animals*. **2021**, 11, 277. <https://doi.org/10.3390/ani11020277>. IF 3,231
8. Mariano, V., Nardi, A., Gradassi, S., **De Santis, P.**, Anniballi, F., Bilei, S., Scholl, F., Auricchio, B., Bielli, C., Culicchi, M., Luca Casali De Rosa, G. **2019.** A severe outbreak of botulism in cattle in Central Italy. *Vet. Ital.*, 55(1), 57-62. <https://doi.org/10.12834/VetIt.768.3714.2>. IF 0.915.
9. S. Di Pasquale, **P. De Santis**, G. La Rosa, K. Di Domenico, G. Micarelli, S. Bilei, D. De Medici, E. Suffredini. **2019.** Quantification and genetic diversity of Hepatitis E virus in wild boar (*Sus scrofa*) hunted for domestic consumption in Central Italy. *Food Microbiology*, 82 Pages 194-201. <https://doi.org/10.1016/j.fm.2019.02.005>. IF 4,090.
10. B.M. Varcasia, F. Tomassetti, L. De Santis, F. Di Giamberardino, S. Lovari, S. Bilei, **P. De Santis**. **2018.** Presence of Shiga Toxin-Producing *Escherichia coli* (STEC) in Fresh Beef Marketed in 13 Regions of ITALY (2017). *Microorganisms*, 6(4), 126. <https://doi.org/10.3390/microorganisms6040126>. IF 4,167
11. **P De Santis**, S Di Pasquale, G La Rosa, D De Medici , G Micarelli, S Bilei, E Suffredini. Occurrence and levels of Hepatitis E virus in wild boars intended for domestic consumption. 2018. *European Journal of Public Health*, 28, (suppl_4). <https://doi.org/10.1093/eurpub/cky214.003>. IF 2,782.
12. D. De Medici, P Schembri, A Guercio, MN Losio, **P De Santis**, G Purpari, E Pavoni, S Bilei, S Di Pasquale, S D'Amato, E Suffredini. Hepatitis E virus: a nationwide study for risk assessment of foodborne transmission. **2018.** *The European Journal of Public Health*, 28(suppl_4). <https://doi.org/10.1093/eurpub/cky218.128>. IF 2,782.
13. Di Giovanni S., **De Santis P.**, Zilio D.M., Tripaldi C., Varcasia B.M. Use of untreated whey for animal feeding. 2017. *Ital J Anim Sci*, 16:s1 p157. IF 1,269.
14. Di Giovanni S., Zilio D.M., **De Santis P.**, Varcasia B.M., Tripaldi C. **2017.** Use of whey and scald in calf nutrition. *L'Informatore Agrario* 43:53-58.
15. Losio MN, Tilola M, Mangeri L, Benevenia R, Delibato E, Crescenzi E, **De Santis P.**, Bertasi B. 2017. Application of Digital PCR to perform species identification. *IAFP'S European symposium on food safety congress abstracts*, pp 104.
16. Marozzi S, **De Santis P.**, Lovari S, Condoleo R, Bilei S, Marcianò R, Mezher Z. Prevalence and Molecular Characterisation of Shiga Toxin-Producing *Escherichia Coli* in Raw Milk Cheeses from Lazio Region, Italy. *Ital J Food Saf*. **2016** Feb 3;5(1):4566. IF 0.218
17. Mezher Z, Saccaro S, Marcianò R, **De Santis P.**, Rodas EM, De Angelis V, Condoleo R. Occurrence of *Campylobacter* spp.

- In Poultry Meat at Retail and Processing Plants' Levels in Central Italy. *Ital J Food Saf.* **2016** Feb 15;5(1):5495. **IF 0.218**
18. Gianfranceschi MV, Rodriguez-Lazaro D, Hernandez M, González-García P, Comin D, Gattuso A, Delibato E, Sonnessa M, Pasquali F, Prencipe V, Sreter-Lancz Z, Saiz-Abajo MJ, Pérez-De-Juan J, Butrón J, Kozačinski L, Tomic DH, Zdolec N, Johannessen GS, Jakočiūnė D, Olsen JE, **De Santis P**, Lovari S, Bertasi B, Pavoni E, Paiusco A, De Cesare A, Manfreda G, De Medici D. European validation of a real-time PCR-based method for detection of *Listeria monocytogenes* in soft cheese. **2013**. *Int J Food Microbiol.* doi:10.1016/j.ijfoodmicro. 2013.12.021. **IF 3,155**.
19. M.N. Losio, E. Pavoni, S. Bilei, B. Bertasi, D. Bove, F. Capuano, S. Farneti, G. Blasi, D. Comin, C. Cardamone, L. Decastelli, E. Delibato, **P. De Santis**, S. Di Pasquale, A. Gattuso, E. Goffredo, A. Fadda, M. Pisani, D. De Medici. Microbiological survey of raw and ready-to-eat leafy green vegetables marketed in Italy. **2015**. *International Journal of Food Microbiology*, Volume 210, 1; 88-91. **IF 3,445**.
20. M.N. Losio, S. Bilei, B. Bertasi, E. Delibato, **P. De Santis**, D. De Medici. Horse meat: a European scandal that opens new risks for the Italian market. **2014**. Special issue: proceedings of the European conference on fresh pasta and gnocchi. Special issue 4/2014, pp 62-65. (Venice, May 30, 2014).
21. Flores Rodas E M, Bogdanova T, Bossù T, Pecchi S, Tomassetti F, **De Santis P**, Tolli R, Condoleo R, Greco S, Brozzi A, Bilei S, Micarelli G, Martini E, Palazzetti M. Microbiological assessment of freshly-shot wild boars meat in Lazio Region, Viterbo territory: a preliminary study. **2014**. *Italian Journal of Food Science*. <http://dx.doi.org/10.4081/ijfs.2014.1711>. **IF 0.285**.
22. Delibato E, Rodriguez Lazaro D, Gianfranceschi M, De Cesare A, Comin D, Gattuso A, Hernandez M, Sonnessa M, Pasquali F, Sreter-Lancz Z, Saiz-Abajo MJ, Pérez-De-Juan J, Butrón J, Prukner-Radovcic E, Horvatek Tomic D, Johannessen GS, Jakočiūnė D, Olsen JE, Chemaly M, Le Gall F, González-García P, Lettini AA, Lukac M, Quesne S, Zampieron C, **De Santis P**, Lovari S, Bertasi B, Pavoni E, Proroga YT, Capuano F, Manfreda G, De Medici D. 2014. European validation of Real-Time PCR method for detection of *Salmonella* spp. in pork meat. **2014**. *Int J Food Microbiol.* doi: 10.1016/j.ijfoodmicro.2014.01.005. **IF 3,082**.
23. Bilei S., Flores Rodas E.M., Tolli R., **De Santis P.**, Di Domenico I., Del Frate S., Palmieri P. and Condoleo R. Prevalence of major pathogens on sheep carcasses slaughtered in italy. **2012**. *Italian Journal of Food Science*. 24 (1):9-19. **IF 0.444**.
24. Balasuriya UB, Nadler SA, Wilson WC, Pritchard LI, Smythe AB, Savini G, Monaco F, **De Santis P**, Zhang N, Tabachnick WJ, MacLachlan NJ. 2008. The NS3 proteins of global strains of bluetongue virus evolve into regional topotypes through negative (purifying) selection. **2008**. *Vet Microbiol.* 126(1-3):91-100. Epub 2007 Jul 10. **IF 2,370**.
25. Orrù, G., Ferrando, M.L., Meloni, M., Liciardi, M., Savini, G., **De Santis, P.** Rapid Detection and Quantitation of Bluetongue virus (BTV) using a Molecular Beacon fluorescent probe assay. **2006**. *J Virol Methods*,137:34-42. **IF 2,097**.
26. Savini G, Goffredo M, Monaco F, Di Gennaro A, Cafiero MA, Baldi L, **De Santis, P.**, Meiswinkel R, Caporale V. **2005**. Bluetongue virus isolations from midges belonging to the Obsoletus complex (Culicoides, Diptera: Ceratopogonidae) in Italy. *Vet Rec.*, 30:133-9. **IF 1,017**.
27. Bashiruddin, J. B., **De Santis, P.**, Persson, A., Ball, H., Regalla, J. **2005**. Detection of *Mycoplasma mycoides* subsp. *mycoides* SC in bovine lung and lymph node tissues by culture, sandwich ELISA and polymerase chain reaction systems. *Res. Vet. Sci.*, 78: 199-205. <https://doi.org/10.1016/j.rvsc.2004.09.004>. **IF 1,106**.
28. Bashiruddin, J.B., Frey, J., Heldtander Konigsson, M., Johansson, K-E., Hotzel, H., Diller, R., **De Santis, P.**, Botelho, A., Ayling, R.D., Nicholas, R.A.J., Thiaucourt, F., Sachse, K. Evaluation of PCR systems for the identification and differentiation of *Mycoplasma agalactiae* and *Mycoplasma bovis*: A collaborative trial. **2005**. *Vet. J.* 169: 268-275. <https://doi.org/10.1016/j.tvjl.2004.01.018>. **IF 1,712**.
29. Ancora M, **De Santis P**, Di Giannatale E, Alessiani A. Molecular typing of *Brucella* field strains isolated in Italy. **2005**. *Italian Veterinaria Italiana*, 41 (1) 51-55.
30. Peli A, Luciani A, **De Santis P**, Polci A, Britti D. Quantitation of the cytokines TNF-alpha, IL-8 and IL-10 in bovine milk using real-time TaqMan PCR. **2004** . *Vet Res Commun.* 28 Suppl 1:359-62. **IF 0.269**.
31. **De Santis P**, Orrù G., Solinas F., Piras V., Savini G., Caporale V. Molecular differentiation of field and vaccine strains of bluetongue virus serotype 2 (BTV-2) using real-time PCR by Fluorescence Resonance Energy Transfer (FRET) hybridisation probes. **2004**. *Vet Ital.* 40(4):572-6. **IF 0.667**.
32. Ancora M., **De Santis P**., Di Giannatale E., Alessiani A. **2005**. Molecular typing of *Brucella* field strains isolated in Italy. *Vet Ital.* 41 (1): 46-51. **IF 0.667**.
33. Orrù G., **De Santis P**., Solinas F., Savini G., Piras V.,Caporale V. Differentiation of Italian Field and South-African Vaccine Strains of Bluetongue Virus Serotype 2 (BTV-2) using real-time PCR. **2004**. *J Virol Methods*. **IF 1,729**.
34. Paoletti B., Traversa D., **De Santis P**., Iorio R., Otranto D., Sparagano O.A.E., Giangaspero A. **2004**. Survey with methods.

- Molecular of Anaplasma platys and Anaplasma phagocytophilum in dogs and ticks in Abruzzo. *Summa*. Mar., 2:11-16.
35. Ancora M, **De Santis P.**, Di Giannatale E, Persiani T, MacMillan AP, Caporale V. Conference Paper: Molecular characterisation of field strains of *Brucella* sp isolated in Italy in the years 2001-2003. *Brucellosis* **2003**. 56th Brucellosis research conference, Pamplona, Spain September 15-17, 2003.
36. Sparagano OA, de Vos AP, Paoletti B, Camma C, **De Santis P.**, Otranto D, Giangaspero A. Molecular detection of *Anaplasma platys* in dogs using polymerase chain reaction and reverse line blot hybridization. *J Vet Diagn Invest*. 2003 Nov;15(6):527-34. **IF 1.005**.
37. M. Caporale, **P. De Santis**, A Giovannini, M. Scacchia, S. Prosperi. Pulmonary adenomatosis of sheep: in vivo diagnosis by PCR. *Italian Veterinaria Italiana*. **2002** July-December; 45-46: 2-13.
38. Ayling, R.D., Nicholas, R.A.J., **De Santis, P.**, Goncalves R., Regalla, J. **2001**. Preliminary investigations into the use of immunoblotting as a confirmatory test for CBPP in buffaloes.In: (Eds. Poveda, J.B., Frey, J., Johansson K-E.) COST 826 *Agriculture and biotechnology. Mycoplasmas of ruminants: pathogenicity, diagnostics, epidemiology and molecular genetics*. Vol 5: 86-89. EUR 19693 EN. European Commission, Brussels. Publication in full not submitted.
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Poster

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ANNEX 2: RESEARCH PROJECTS

Head of Operational Unit

Current research: Documentation and microbiological characterization of processes and typical and traditional agri-food products of the Lazio and Tuscany Regions. IZSLT	2007-2010
Current research: Comparative evaluation of analytical methods for detecting allergens in food products.	2009-2012
Research aimed at: Development of nanotechnological methods (biosensores) to detect hidden allergens in animal and vegetable foods. IZS Turin	2010-2013
Current research: Food traceability and labeling: development and harmonization of biomolecular analytical methodologies for species identification. IZSLT	2011-2013
Current research: Development of quantitative methods for species identification in food. IZSLER	2013-2015
Current research: Buffalo cheese produced with vegetable rennet and enriched with natural antioxidants "green buf cheeses". IZSLT	2017-2020
Current Research: Study of hygienic and sanitary parameters and rheological characteristics of sheep, goat and buffalo milk, aimed at developing tools for improving the quality of traditional productions.	2018-2020

Lead partner of research projects

Current research: Study of Salmonella strains belonging to the new serotype 4,(5), 12: i-, of human and veterinary origin by biomolecular methods.	2005-2007
Current Research: Characterization of lactic floras, from food by innovative molecular methods (DGGE,microarray,RFLP and 16SrRNAseq) Current Research: Documentation and microbiological characterization of typical and traditional agri-food processes and products from the regions of Lazio and Tuscany. IZSLT	2006-2008
Current research: Documentation and microbiological characterization of typical and traditional agri-food processes and products from the regions of Lazio and Tuscany. IZSLT	2007-2010
Current research: Evaluation of probiotic characteristics of lactic acid bacteria isolated in traditional products. IZSLT	2011-2014
Current research: Hepatitis e virus infection in the Lazio and Tuscany region: an emerging zoonosis. IZSLT	2012-2015
Current research: Foodborne HEV viral hepatitis: implementation in the regions of Lazio and Tuscany of an interdisciplinary surveillance plan acquire data on virus circulation in the human-animal cycle. IZSLT	2017-2019
CCM2016 Ministry of Health: Hepatitis E, an emerging problem in food safety: One Health approach to risk assessment.	2017-2019

ANNEX 3: COURSES AND CONFERENCES

Course Title.	Supplier	CME
Module II Oryctolagus Cuniculus "Animals Used For Scientific Purposes: Modules 3.2, 6.2 E 8 Function A), C) And D) Of Dm 5 August 2021": Ed. Small Animals (23/05/2023)	IZSLT	18
Module III Mus Musculus "Animals Used For Scientific Purposes: Modules 3.2, 6.2 AND 8. Function A), C) And D) Of Dm August 5, 2021 "Ed. Small Animals. ECM 1.9. (30/05/2023)	IZSLT	18
CFP		
The new code of conduct for public employees after Presidential Decree 13/06/2023, no. 81 (1h 20m) 03/10/2023	PA360°	/
Transparent administration and publication obligations 03/10/2023	PA360°	/
Public ethics, ethical behavior, ethical codes (1 hour) 02/10/2023	PA360°	/
Public ethics, ethical behavior, codes of ethics (1 hour) 9/22/2023	PA360°	/
"Training and refresher course for the protection of animals from laboratory in scientific research": LARGE ANIMALS MODULE - III EDITION. pigs/minipigs and small ruminants (25/09/2023-12/10/2023):	UNICATT	39
Function (a) (30 CFP)		
Function (b) (28 CFP)		
Function (c) (23 CFP)		
Function (d) (27 CFP)		
Designated veterinarian (32 CFPs)		
RBA (35 CFP)		
Scientific Member (15 CFP)		
INTERPRETATION AND APPLICATION OF THE 3R PRINCIPLE. Science, bioethics and law in animal experimentation. (FAD) January 25, 2022	CID ETHICS-CNR	/
FISHERY PRODUCTS AT 360° (FAD). 30-11-2022	IZSLER	32
NATIONAL LEGISLATION AND ETHICS LEVEL 1, MODULES 1 AND 2, DM 5 AUGUST 2021 - Single Issue 24/08/2022. (CFP 5)	IZSLER	7.5
Refresher course Annex V for veterinarians under Legislative Decree 26/2014: care and control of animals bred and used for scientific and educational purposes - Single Edition. 01/03/2021.	IZSLER	/
Annual meeting of official laboratories working in the monitoring of marine biotoxins and toxic phytoplankton. Bologna. 13-03-2019.	Marine Research Center, LNR Marine Biotoxins.	/
Basic course for veterinary doctors experienced in IAA, according to national guidelines for animal-assisted interventions.	Training Center professional La Pomegranate (Padua)	/
December 08-09, 2018; February 01-02-03, 2019	National Council Of Research, Rome	/
Nomenclature of murine strains: how to get your bearings. September 21, 2018		
Vaccines and immunization: strategies and tools for infectious disease prevention (FAD) 2019	ISS	18
Anticorruption Training Plan 2017-2018 (FAD). 21-11-2018	Maggioli Company	/
10th International Symposium on Shiga toxin producing <i>Escherichia coli</i> infections Florence.	URLVTEC	/
May 06-07-08-09, 2018		
Foodborne zoonoses:update on sources, zoonotic agents and foodborne outbreaks (FAD).	IZS LER Brescia	33
1-03-2018 / 30-11-2018		
Current research activity IZS Lazio and Tuscany. 21-06-2018	IZS LT Rome	5

Course Title.	Supplier	CME		
Internal reporting tools for health-related reporting. 03-07-2018	IZSLT Rome	4.6		
Update on the research activities of the Food Control Operations Directorate. 12-06-2018	IZSLT Rome	6.3		
"SO-STARE" in conflicts and find "togethera "new" meeting point. 05-06-2018	IZS LT Rome	8.7		
The reorganization of the institution's health care processes: scenarios. 09-07-2018	IZS LT Rome	4		
The reorganization of the institution's health care processes. 23-11-2017	IZSLT Rome	Animal-assisted interventions: Introductory course. June 21-23, 2017	IZS LT Rome	4,3
Technostress and the abuse of digital technologies. 16-05-2017	ISS Rome	22.2		
Refresher days on food microbiology procedures. 04, 5, May 2017	ISS Rome	17.1		
Networking: research in veterinary public health. 06-04-2017	IZS LT Rome	5,5		
Future of human-animal coexistence. 05-04-2017	IZS LT Rome	7.9		
Heath Technologies assessment. 23-03-2017	IZS LT Rome	3.5		
Environmental risk analysis related to food safety and animal health. 15-11-2016	IZSLT Rome	2.1		
One Health Symposium: Focus on Genomics of Pathogenic <i>E. coli</i> . December 1-2, 2016	IZS LT Rome	3.3		
Workshop animal protein in animal feed. 23-11-2016	ISS Rome	16		
Refresher course for quality referees and test managers. 16-06-2016	(Utrecht, The Netherlands)	/		
4th Congress European Association of Veterinary Diagnosticians. Prague. November 6-9, 2016	IZSLT Rome	12.5		
Legal compliance in food: new priorities and practices. 10-03-2016	EAVLD Hyalobates consulting Ltd.	/		
Animal protection and quality of science. 3-10-2016.	ISS	7		
Practical aspects on food labeling in light of EU Reg. (EC) 1169/2011. 12-10-2015	PVI TRAINING LTD	10		
Scientific seminar on animal model: perspectives in biomedical research. 22-06-2015	UNIROMA2-HARLAN	/		
Meeting laboratories operating in the official control of bivalve molluscs. 16-06-2015	ISS	/		
Molecular diagnostics applied to food safety: methods ISO 07-10-2015.	IZS LT Rome	4		

Course Title.	Supplier	CME
Seminar Accreditation of testing laboratories: criticality of some testing methods in food safety. 23-4-2015	ISS-Accredia	/
Validation of microbiological methods and estimation of measurement uncertainty. 18-12-2015	IZS LT Rome	7
Food safety legislation: data management. 12-11-2015 Reflections, Implications and Answers: 3Rs for understanding DLgs 26/2014. 27-6-2014	IZS LT Rome	8.1
Training course for the use of the MINIMAG tool. 21-5-2014	AISAL Rome	/
Training course in the use of the MagPurix tool. 30-09-2014		
Evaluation of microbiological criteria in foods of animal origin and the control of salmonellosis. 03-06-2014/03-07-2014	Biomerieux Rome	/
9th Annual Workshop of the URLVTEC. October 20,21, 2014	Resnova training center	/
personal effectiveness: credit time management. 29-10-2013	IZS AM Teramo	30
NRL workshop processed animal protein in feed 2013. May 8-9, 2013	ISS	/
VTEC-producing <i>E. coli</i> in sprouts and other foods. 11-12-2013	IZS LT Rome	9.2
Theoretical-practical PCR training course for ruminant DNA in animal feed. 09-05-2013	IZS PLV Turin	7.1
Verocytotoxin-producing <i>Escherichia coli</i> (VTEC) infections. 1-3-2013	IZS PLV Turin	8
Laboratory animal science. November 12-21, 2012	IZS Portici	7
The laboratory information system: updates and changes. October 18, 2012	IZS PLV Turin	7.1
AIRA Convention, Cagliari. Sept. 21-22, 2012	Santa Lucia Ebri Foundation, Rome	50
National plan for the control of unprocessed plant foods. October 27, 2011	IZSLT Rome	/
Theoretical-practical course for the multiplex real time PCR method for the detection of toxin-producing clostridia. Dec. 13-14, 2011	University of Cagliari	/
Molecular methods for the detection of <i>Salmonella</i> and <i>L. monocytogenes</i> in complex food matrices. 23-11-2011	IZS LER	7
Meeting of laboratories working in the control of bivalve molluscs. 9-02-2011	ISS, Rome	/
Animal proteins in feed workshop. June 9, 2010	IZSLT Rome	/
Managerial strategies to consolidate the governance of the IZS Lazio and Tuscany system. December 7,14,21, 2010, November 18,19, 2010 and December 2, 2010	ISS-IZSUM	/
	IZS Turin	5
	IZSLT, Rome	28

Course title	Provider	CME
Current research activity at IZSLT: application implications. 18-12-2009	IZSLT, Rome	1
Technical and Biostatistical approaches in quantitative Real-Time PCR. June 22-25, 2009	University of Siena-Biorad	/
XXII Spongiform Encephalopathies Conference. November 27-28, 2008	IZS PLV Turin	6
Risk analysis in typical and traditional products. 11.12.18.19-03-2008	IZSLT, Rome	26
Validation of methods for microbiological control of food. 8.9-04-2008	IZSLT, Rome	12
Laboratory diagnostics in foods. Determination of Salmonella and Listeria. 16-09-2008	IZSLT, Rome	
Virulotyping of Salmonella and VTEC. 1, 2-03-2007	IZSLT, Rome	/
VI ENTER-NET Workshop. 17,18-May-2007	ISS, Rome	/
Constituents of animal origin for livestock use. 14-02-2007	ISS, Rome	4
Genomic and proteomic research: synergies between technologies. 4,5,6,7,8-06-2007	IZS PLV, Turin	/
4th Meeting Italian Network of Environmental Virology 7-02-2007	BIO-RAD	/
Food safety and food biotechnology MICRO FOOD. 29,30,31 August 1,2 September 2006	UNIPISA	/
MED-VET-NET Zoonosis research in Europe. May 3,4,5,6, 2006	University of Bologna	/
Surveillance and prevention of gastroenteric infections. December 1,2, 2005	EU Project MED VET NET	/
Salmonellosis surveillance. 21-12-2004	ISS, IZS Venezie	6
Climate change and aquaculture sustainability. Monterado (AN). May 26,27,28, 2004.	IZSUM	14
Update on emerging issues in the seafood sector. May 24,25, 2004	Superior Institute of Health	11
Introduction to bioinformatics techniques for molecular epidemiological analysis. September 13,14,15,16 17, 2004	ISS Rome	41
Elements of statistics. April 26,27,28, 2004	Zoop. Sp. Latium and Tuscany	15
VIRAMB-II Environmental Virology Network Meeting. 27-09-2004	IZSLT Univ. Pisa	/
14th AIVI Convention. June 4,5,6, 2004	AIVI	10
Update on major enteric pathogens <i>Salmonella</i> , <i>Campylobacter</i> , <i>E. coli</i> and viruses. 11-05-2004	UNIBO	4
FOSS conference Velden, Austria. 18-06-2004.	FOSS	/
SCIVAC conference, Updates in soft tissue surgery. February 7-8, 2004.	SCIVAC	/

Course title	Provider	CME
Epidemiological surveillance and information systems. October 13,14,15-2003	IZSAM	19
Basic Statistics. November 17,18,19,20, 2003	IZSAM	24
Genetic selection in TSE prophylaxis and control of sheep. 15-09-2003	ISS	/
Introduction to bioinformatics. 28,29,30 april-2003	University of Oxford	/
Final meeting of the project "Preparation of a vaccine to control Contagious Bovine Peluropneumonia (CBPP)." March 13-14, 2002	IZSAM	/
"Diagnostic Methods for Qualitative and Quantitative Detection of GMOs in Human and Animal Foods" 29-03-2000	Perkin Elmer (Applied Biosystems)	/
Speed reading and memorization techniques professional development. March 26-27, April 9-10 and 29-30, 2002	IZSAM	/
In-house course "The ISO 17025: 2000 standard." 31-10-2001	IZSAM	/
IZS accreditation and continuation of quality standards. November 25-26, 1994	IZSAM	5 hours
"Abi Prism 7700 quantitative PCR theoretical application course." Rome. June 12-13, 2000	IZSAM Perkin Elmer (Applied Biosystems)	11 hours
Diagnosis of animals hemoparasitosis. Palermo. November 15, 16, 17 and 18, 1999.	IZS Palermo	/
Formulation, design and publication of a scientific research project. July 8-12, 1999 Management training courses: "Human resource management" 4 modules of 11 days December 1998- June 1999.	IZSAM	18 hours
1st module : Managerial responsibilities, 3 days		
2nd module: The role of the "Boss" and personal skills, 3 days	IZSAM	11 days
3rd module: Human resource management, 3 days		
4th module: Briefing: a managerial communication system, 2 days Introduction to Microsoft Project Manager.		
19-01-1999		
Protection of persons and other subjects with respect to the processing of personal data. Law 31/12/96 No. 675.	IZSAM	/
17-04-1998		
Seminar: Safety at work (Legislative Decree 626/94). 11-11-1997.	IZSAM	/
Paratuberculosis in cattle farms. 10-10-1996	IZSAM	/
Pet-Therapy. June 10-11, 1996	IZSAM	/
Management course: Working according to projects. March 15-16, April 9-10, 1996	IZSAM	/
		28 hours
"Advanced Course in Molecular Biology," Milan, Italy. May 9-10-11, 1995	Saint Raphael Institute BIORAD	/
One-year English language course, delivered by Inlingua. 1994	In language/IZSAM	50 hours

Course title	Provider	CME
Training course for trainers. March 15-16-17 and 29-30-31, 1994	IZSAM	/
Management training courses: Managing the two Cs (Heads and Co-workers) June 14,15,16, 1993	IZSAM	/
Management training courses: Professional communications. April 27, 28 and 30, 1993	IZSAM	/
"Basic techniques for nucleic acid manipulation, diagnostic applications," Rome. December 15, 16, 17, 1993	Regina Elena Institute	/
Seminar on recent developments in Rift Valley Fever. 16.09.1993	IZSAM-WHO	/
The hygienic and sanitary quality of milk from stable to industry. 10-04-1992	DIFCO Learning Center	/
Management training course: The role. January 17, 18, 19, 1991	IZSAM	/
Management training course: Individual and organization. April 18, 19, 20, 1991	IZSAM	/
Management training course: Communication. June 13, 14, 15, 1991	IZSAM	/
Management training course: Scheduling. May 16, 17, 18, 1991	IZSAM	/
Package course statistical data analysis. Basic elements. June 17, 18, 19, 20 and 21, 1991	ISS	/
"Management veterinary intervention plans in epidemic emergencies." June 9, 10, 11 and 12, 1987	ISS	/
New strategies and applications for real-time quantitative PCR. Rome 5-04-2000	PE Biosystems	/
1st AIVI congress and 2nd SIDILV congress. Palermo NOVEMBER 18-20, 1999	IZS Sicily	/
8th European PCR seminar tour. Florence. 18-04-1997	Perkin Elmer	/
New technologies DNA analysis. Chieti University. 12-03-1997	Perkin Elmer	/
Workshop mycoplasmas of ruminants. COST action 826. Alghero. 13-06-1997	IZS Sardinia	/
Refresher course: veterinary hygiene and public health. 7-12-1996	Vet Order Teramo	/
1st international meeting on CBPP project Fair 1-CT95-0711. Civitella del Tronto. June 14, 15, 1996.	IZSAM	/
Laboratory Accreditation. October 17, 18, 19, and 20, 1995	IZSAM	/
5th European PCR seminar tour. Milan. 13-05-1994	Perkin Elmer	/
Three-year autonomy program for the NHS information system. 15-03-1991	EDINFORM	/
The information system applied to the protection and management of environmental resources. Campobasso. 16-03-1991	EDINFORM	/
Traumatology. Ferrara. May 25, 26, 27, 1990.	SCIVAC	/

Course title	Provider	CME
Meeting with Stephen J. Ettinger. Rome. December 16, 17, 1989	SCIVAC	/
1st Italian AO/VET Basic course, reconstructive bone chiorurgy. Folgaria (TN). November 1-4, 1989.	SCIVAC	/
Radiology. Pisa. February 24-26, 1989	SCIVAC	/
Pathology and surgery of nose and eye in small animals. Rome. 19-12-1987	Vet Order Rome	/
Anesthesia and Resuscitation. Rome. 1-3 May 1987.	SCIVAC	/
18th National Congress society of buiatrics. Mantua. May 16, 17, 18, 1986.	Order Vet Mantua	/

ATTACHMENT 4: LECTURES

Teaching Title/Course Title	Teaching date	Venue/Event provider
Module II Oryctolagus Cuniculus "Animals Used For Scientific Purposes: Modules. 3.2, 6.2 AND 8 Function A), C) AND D) Of Dm August 5, 2021": Small Edition animals. CME 1.9	24/05/2023	IZSLT
Module III Mus Musculus Animals Used For Scientific Purposes: Modules 3.2, 6.2 AND 8 Function A), C) AND D) Of Dm August 5, 2021 "Ed. Small Animals. CME 1.9 New food safety issues in the dairy supply chain. Funds. CME 2 credits. Hours 1	31/05/2023	IZSLT
Hepatitis e virus infection in the Lazio and Tuscany Region: an emerging zoonosis. Course: The Current Research Activity IZS Lazio and Tuscany: main results and their operational transferability. 21-06-2018. 0.30 hours.	26-10-2018	AIVI
Biotechnology in veterinary diagnostics and food control. May 3-8, 2012. 5 CME credits.	21-06-2018	IZSLT Rome
Molecular diagnostics in the field of food safety. May 3, 2012, 1.5 hours.	3-5-2012	IZSLT Rome
Identification of zoological species in food by microarray. May 3, 2012, 1 o'clock.	3-5-2012	IZSLT Rome
Food microbiology: updates and future perspectives.		
Food fraud: health and commercial implications. 04-12-2013. 2 CME credits	4-12-2013	IZSLT Rome
Laboratory practice for the evaluation of food supply chains.		
Overview of the history of biotechnology. 2 CME credits. 27-11-2005. Zoonoses transmitted by laboratory animals.	27-11-2005	IZSLT Rome
5th Course. Access to the use of animal experimentation service facilities at the University of Rome Tor Vergata. November 8-9-10, 2017. Hours 1	09-11-2017	UniRoma2 Tor Vergata
Critical analysis of real time PCR results.		
Course: Refresher days on Food Microbiology procedures. II module: Routine use of molecular methods in food safety. May 4 and 5, 2017. Hours 1	04-05-2017	IZSLT Rome
Zoonoses transmitted by laboratory animals.		
4th Course. Access to the use of animal experimentation service facilities at University of Rome Tor Vergata. May 8-10, 2016. Hours 1	10-05-2016	UniRoma2 Tor Vergata

Teaching Title/Course Title	Teaching date	Venue/Event provider
Alternative methods to the animal model (mouse test) Legislative Decree 26/2014 Course: Human and animal botulism. Laboratory diagnosis. Nov. 29, 2016. 0.30 a.m. Zoonoses transmitted by laboratory animals.	29-11-2016	IZSLT Rome
3rd Course. Access to the use of service facilities at the trial. animal at the University of Rome Tor Vergata January 15-16, 2015. Hours 1 Course: Microbial and parasite ecology data for better protection of the public health. 03/07/2015. CME credits 1 Molecular methods for the analysis of traditional foods in the Lazio Region. ISO methods and the validation pathway. Course: Molecular diagnostics applied to food safety: ISO methods. October 6 and 7, 2015. Hours 1 ISO 13136:2012 <i>Escherichia coli</i> (STEC). Application and related issues To the interpretation of the results Course: Molecular diagnostics applied to food safety: ISO methods. October 6 and 7, 2015. Hours 1 Zoonoses transmitted by laboratory animals.	15-01-2015 03-07-2015 6-10- 2015 7-10-2015	UniRoma2 Tor Vergata IZSLT Rome IZSLT Rome IZSLT Rome
2nd Course. Access to the use of animal experimentation service facilities at University of Rome Tor Vergata. March 27-28, 2014. Hours 1 <i>E. coli</i> STEC: epidemiology, diagnostics, and management of analytical results (VTEC). May 13, 2014 The experience of the Zooprophylactic Institutes. 2 CME credits Zoonoses transmitted by laboratory animals.	28-3-2014 13-5-2014	UniRoma2 Tor Vergata IZSLT Rome
1st Course. Access to the use of trial service facilities. animal at the University of Rome Tor Vergata December 5-6, 2013. Hours 1 Theoretical hints on laboratory methods for floral characterization probiotic lactics. Course: PROBIO Project. Screening analysis for character definition of Probioticity of lactic acid bacteria isolated from traditional foods. Hours 1 PROBIO project: screening analysis for character definition of Probioticity of lactobacteria isolated from food. Course: Food microbiology: current events and future prospects. March 21, April 4, 9, 16, May 7, 14, 2013. 1 o'clock Food Fraud: health and commercial implications. Course: Food microbiology: current events and future prospects. March 21, <i>E. coli</i> STEC: epidemiology, diagnostics and management of analytical results. April 4, 9, 16, May 7, 14, 2013. CME 2 credits. Hours 1 Laboratory practice for the evaluation of food supply chains CME 2 credits. Hours 1 Einstain Teramo high school teachers' professional retraining course: Biotechnology. 4 hrs. Laboratory diagnosis of CBPP: Tutor. 2 days Pascal Teramo high school teachers' professional retraining course: Methods molecular DNA analysis. Hours 2	06-12-2013 March 7 and 8 2013 09-04-2013 07-05-2013 13-05-2014 17-11-2005 14-12-1999 12-03-1999 March 8, 26 1999 23-10-1998 18-12-1998	UniRoma2 Tor Vergata IZSLT IZSLT Rome IZSLT Rome IZSLT Rome IZSLT IZSAM IZSAM IZSAM IZSAM.

Teaching Title/Course Title

Laboratory training on modern technologies on Salmonellosis identification in livestock, poultry and in food of animal origin. Tutor 2 days

Contagious ovine agalactia: modern control strategies. 1 hrs.

Exotic diseases: Tutor. 2 days

Contingency plan foot-and-mouth disease and other OIE List A diseases:

Tutor. 2 days

"Exotic diseases of domestic animals" (Tutor). 2 days

Training on serological and PCR methods for the diagnosis of Contagious Pleuropneumonia of Cattle (PPCB).

Lecturing at the National Veterinary Institute in Gaborone, Botswana, on an IZSAM-FAO assignment. 15-day internship.

"Exotic diseases" Tutor. 4 days

"Good Laboratory Practices." Turin. Zooprophylactic Institute of Piedmont Liguria and Aosta Valley, September-October. 9 p.m.

"Training course for animal artificial insemination practitioners."

Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise. Physiology of the reproductive system of animal species zootechnical interest: pigs.

1.5 o'clock

"Training course for animal artificial insemination operators." Experimental Zooprophylactic Institute of Abruzzo and Molise.

Physiology of the reproductive system of animal species livestock interest: pigs.

1.5 hours

"Training course for animal artificial insemination operators." Experimental Zooprophylactic Institute of Abruzzo and Molise.

Physiology of the reproductive system of animal species livestock interest: pigs.

Hours 2

"Training course for animal artificial insemination operators." Experimental Zooprophylactic Institute of Abruzzo and Molise.

Physiology of the reproductive system of animal species livestock interest: pigs.

Hours 1

Teaching date

Oct. 28,30

1998

25-06-1997

June 9,13,
1997

January 20,24
1997

September 10,
13 , 1996

September 1996

June 29,30

1995

July 13,14

1995

19-09-1994

20-09-1994

22-09-1994

23-09-1994

10-10-1994

11-10-1994

12-10-1994

18-10-1995

25-10-1995

22-11-1993

22-09-1992

Venue/Event provider

IZSAM-WHO

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Date 10/04/2024