

PERSONAL INFORMATION

Marcella Pantile

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POSITION

Laboratory Technician

WORK EXPERIENCE

Since 01/09/2013 to now: I worked in IRP "Istituto Ricerca Pediatrica", Città della Speranza, Padua, as a Laboratory Technician. I am currently involved in a project entitled: "IMPROVING CURE RATES FOR CHILDREN WITH CANCER – FOCUS ON PATIENTS THAT CURRENTLY DO NOT RESPOND TO THERAPY", in which I applied molecular biology techniques and, NGS (Next Generation Sequencing) with Life Technologies Platform – Ion Proton e Roche – Junior 454.

From **18/05/2009** to **17/05/2012**: at SCS5 – **Research and Innovation, Laboratory of Molecular Biology from Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro (PD)**, as Assistant Laboratory Technician with temporary employment contract in the Molecular Biotechnologies Laboratory (**FAO, OIE and National Reference Laboratory for Avian Influenza virus and Newcastle virus**) where I applied molecular biology techniques (automatic and manual extraction of DNA/RNA, Polymerase Chain Reaction PCR, Real Time PCR, electrophoresis on Agarose and Acrylamide gels, Western Blot, cloning, Pyrosequencing and Sanger Sequencing), for diagnosis and the detection of animal viruses. I participated in the development and validation of innovative diagnostic methods that were transferred to the diagnostic activities. I was also involved in the management of the insurance system of laboratory quality (PDP draft, validation files, reagents management, ecc.). I participated in training activities and technical-scientific cooperation with national and international veterinary institutes was involved in a research project for the study of the most important veterinary viruses (AIV, NDV, IBV, CoCV, Astrovirus, ecc.).

From 14/06/2006 to 13/06/2008: at SC6 – **Research and Innovation, Laboratory of Molecular Biology from Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro (PD)**, as Assistant Laboratory Technician with temporary employment contract in the Molecular Biotechnologies Laboratory. I applied molecular biology techniques (automatic and manual extraction of DNA/RNA, Polymerase Chain Reaction PCR, Real Time PCR, electrophoresis on Agarose and Acrylamide gels, Western Blot, cloning, Pyrosequencing and Sanger Sequencing), for the detection and diagnosis of animal viruses. I participated in the validation and development of innovative diagnostic methods that can be applied to the laboratory of the Institute. I was also involved in the diagnostic activity and I participated in training activities and technical-scientific cooperation with national and international veterinary institutes. I participated in the management of quality on the laboratory.

From 26/03/2002 to 31/12/2005: at SC2 – Chemistry Laboratory from **Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro (PD)**, as a Chemical Assistant with temporary employment contract, control of food with animal origin – Area 2 chemical controls. I was involved in the reception and acceptance of samples, and in the detection and quantification of: drug residues (Nitrofurans, Sulfa drugs, ecc.) in pet foods through Liquid Chromatography (HPLC) with diode detector (DAD); polycyclic aromatic hydrocarbons (IPA) in smoked products for human consumption analysed through Liquid Chromatography (HPLC) with Fluorimetric detector; N-metil carbamate, dioxins, heavy metals (Pb, Hg, Cd, Cr) and Polychlorinated biphenyls (PCBs) in animals fat; bromatology and in particularly the research of nitrite (NO₂), nitrate (NO₃) and ascorbate, Histamine, principal minerals (Na, Cl, Mg, Ca, K, P, ecc.) and water analysis with turbidity, hardness, pH, ecc..

01/09/2013 – ad oggi

Laboratory Technician

IRP "Istituto Ricerca Pediatrica", Città della Speranza di Padova, Corso Stati Uniti, 4 Cap.35127, Padova (PD)

<http://www.cittadellasperanza.org/irp>

18/05/2009 al 17/05/2012
 ▪ Molecular biology techniques
 Neuroblastoma, NGS, molecular biology.
Laboratory Technician
 Istituto Zooprofilattico Sperimentale delle Venezie di Legnaro (PD), Viale dell'Università, 10
 Cap.35020 Legnaro (PD)

www.izsvenezie.it

14/06/2006 al 13/06/2008
 ▪ Molecular biology techniques
 Molecular biology, Pyrosequencing, Avian Influenza Viruses.
Laboratory Technician
 Istituto Zooprofilattico Sperimentale delle Venezie di Legnaro (PD), Viale dell'Università, 10
 Cap.35020 Legnaro (PD)

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26/03/2002 al 31/12/2005
 ▪ Techniques of molecular biology
 Molecular biology, Pyrosequencing, Avian Influenza Viruses.
Laboratory Technician
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 Cap.35020 Legnaro (PD)

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- Techniques for the detection and the quantification of drug residues in animal food
 - Bromatology: techniques applied to products intended for human consumption
- HPLC, DAD, Nitrite (NO₂), Nitrate (NO₃), Policlorobifenili, Histamine, Heavy Metals (Pb, Hg, Cd, Cr).

EDUCATION AND TRAINING

Technical Chemical-Biological and Regional Specialization (Technician for monitoring and environmental quality, awarded by the Institute of Higher Education " E. U. Ruzza " sect . ass . " T. Pendola " , with the overall assessment of 100/100, 04/07/2001.

PERSONAL SKILLS

OTHER SKILLS

From 2000 to 2007 I did a hostess activity at various social events scattered throughout the national territory with the task of welcoming the guests, direct visitors within the event and to inform them about the activities of the company.
 From 1996 to 1998 I worked as a book seller (novels, fiction, nonfiction books, historical books, tourist guides, etc.).

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A2	A2	A2	A2	A2
Replace with name of language certificate. Enter level if known.					

Communication skills

ABILITY TO WORK IN MULTICULTURAL ENVIRONMENT WHERE THE COMMUNICATION IS ESSENTIAL IN A TEAMWORK.

Organisational / managerial skills

ORGANIZATIONAL SKILLS AND EXCELLENT ABILITY IN PREPARING WORK GROUPS, ALWAYS OPEN TO INCREASE MY SKILLS.

Job-related skills

Instrumental Applications:
 Hp Chem Station;
 Millenium 32;
 Browser Explorer e NetScape;
 Mega 4;
 Gene Runner;
 Primer express;
 Primer 3;
 Ion Reporter;
 David;
 SeqScape v 2.5;
 Sequencing Analysis;
 Bioedit;
 Identifire;
 Assay design;
 Oligo7;
 Molecular and genetic databank: NCBI (PubMed, GenBank, UCSC).
 Laboratory techniques:
 Good theoretical and practical knowledge of the following techniques:
 Cromatografia liquida (HPLC) con rivelatore UV/VIS;
 Liquid Cromatografy (HPLC) with diode array detector (DAD);
 Liquid Cromatografy (HPLC) with fluorimetric array;
 techniques of sample purification by solid phase extraction (SPE);
 techniques for purification of the sample by means of gel permeation chromatography;
 manual and automatic extraction of nucleic acids (DNA, RNA);
 Polymerase chain reaction (PCR, rRT-PCR);
 Sanger sequencing;
 absolute and relative quantitative PCR;
 Pyrosequencing;
 NGS (Ion Proton, 454 Junior Roche, Illumina Mi-Seq);
 cellular biology techniques;
 Western Blot;
 Molecular cloning;
 Validation of protocols and molecular tests that can be applied in diagnostic.
 Gestione reagentario e strumentazione di laboratorio secondo la normativa
 UNI CEI EN ISO/IEC 17025:2005 e UNI ISO ISO 9001:2000

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

Good skills in major Windows applications (Word , Excel , Power Point).

Driving licence B, A

ADDITIONAL INFORMATION

- Publications**
- Grellet A., De Battisti C., Feugier A., **Pantile M.**, Marciano S., Grandjean D., Cattoli G., 2012. Prevalence and risk factors of astrovirus infection in puppies From French breeding kennels. *Veterinary Microbiology*, 157(1-2), pp.214-219.
- C. Benetti, **M. Pantile**, G. Binato “Tossicosi esogene da N-metilcarbammati negli animali: aspetti analitici e casistica riscontrata nel quadriennio 2000-2004” – Abano Terme (PD) (Italia) – VI Congresso Nazionale S.I.Di.L.V. (10-12 novembre 2004).
- Lasorsa VA, Formicola D, Pignataro P, Cimmino F, Calabrese FM, Mora J, Esposito MR, **Pantile M**, Zanon C, De Mariano M, Longo L, Hogarty MD, de Torres C, Tonini GP, Iolascon A, Capasso M. Exome and deep sequencing of clinically aggressive neuroblastoma reveal somatic mutations that affect key pathways involved in cancer progression. *Oncotarget*. 2016 Mar 18. doi: 10.18632/oncotarget.8187
- Aveic S, **Pantile M**, Seydel A, Esposito MR, Zanon C, Li G, Tonini GP. Combating autophagy is a strategy to increase cytotoxic effects of novel ALK inhibitor entrectinib in neuroblastoma cells. *Oncotarget*. 2016 Feb 2;7(5):5646-63. doi: 10.18632/oncotarget.6778
- Meetings and Congress**
- Advances in Neuroblastoma Research Congress-ANR, 13-16 Maggio 2014, Colonia, Germania.
- Ion World Tour – Life Technologies, 30/09-01/10/2014 Bologna.
- Interlab meeting Falcade, 27-28 Febbraio 2015.
- WORKSHOP AIEOP IN LAB NAPOLI, 14-15 SETTEMBRE 2015.
- Meeting “Diagnosi prenatale invasive e non-invasiva: novità tecnologiche e recenti acquisizioni scientifiche”, Padova-Istituto di Ricerca Pediatrica, 14-15 Maggio 2015.
- Interlab meeting Falcade, 4-5 Marzo 2016.
- Training**
- Training: Sequenziatore 3500DX Genetic Analyzer, 18/12/2014, Istituto di Ricerca Pediatrica, Padova.
- Training: Rianimazione cardiopolmonare di base e defibrillatore precoce Adulto-Bambino-Infante, 06/06/2015, Istituto di Ricerca Pediatrica, Padova.
- Training: Utilizzo in sicurezza gas compressi e criogenici, 7 Aprile 2016, Istituto di Ricerca Pediatrica, Padova.
- Training: Addetto al primo soccorso aziendale per le aziende di gruppo B, 30/04/2016, Istituto di Ricerca Pediatrica, Padova.