

## PERSONAL INFORMATION Stefano Pallotti



Sex: | Date of birth: | Nationality:

## POSITION APPLIED FOR Postdoctoral Position

## WORK EXPERIENCE

January 2018 – June 2018

**Research activity:** Study of the candidate genes for the suri phenotype in alpaca (*Vicugna pacos*).

School of Bioscience and Veterinary Medicine, University of Camerino

Via Gentile III Da Varano, 62032 - Camerino (Italy)

Head of research team: Prof. Carlo Renieri

## ▪ Molecular biology research:

isolation of DNA, RNA and proteins from various biological sources, primers design, gene cloning and plasmid extraction, RNA reverse transcription, PCR, RT-PCR, 5' and 3' RACE-PCR, qPCR, DNA gel electrophoresis cDNA library preparation, Western-blotting analysis. Bioinformatic analysis of the nucleotide sequences.

January 2018 – May 2018

**Research activity:** Monitoring of the tenso-structures in the Upper Maceratese farms affected by the 2016 earthquake.

School of Bioscience and Veterinary Medicine, University of Camerino

Via Gentile III Da Varano, 62032 - Camerino (Italy)

Head of research team: Prof. Annette Habluetzel

▪ Animal health check, tenso structures state check, interviews breeders.

March 2018 – April 2018

**Coordinator for the rural development project:** "Hemp network: hemp multipurpose in the agriculture no food field."

School of Bioscience and Veterinary Medicine, University of Camerino

Via Gentile III Da Varano, 62032 - Camerino (Italy)

December 2013 – February  
2018**Veterinary physician**

"Del Leone" Veterinary Ambulatory

Viale Giacomo Leopardi, 59, 62032 Camerino (Italy)

▪ Internal medicine of small animals, exotic animals and unconventional animals (rodents and reptiles)

**EDUCATION AND TRAINING**

- March 2019 – April 2019 **Technical management of the research project "Alashan Cashmere goat".**  
 Alashan, Inner Mongolia (China)
- October 2018 **Nomination "Cultore della Materia"** (Subject Expert and Teaching Assistant) in "s.s.d. AGR/17: Zootecnica generale e miglioramento genetico" (Genetics and animal breeding).  
 School of Bioscience and Veterinary Medicine - University of Camerino (Italy)
- Nov. 2014 - December 2017 **PhD in LIFE AND HEALTH SCIENCES: ECOSYSTEMS AND BIODIVERSITY MANAGEMENT**  
 International School of Advanced Studies - University of Camerino (Italy)  
 Thesis Title: Genetic of coat variation in alpaca, dog and cashmere goat: an approach by molecular, population and quantitative genetics studies.  
 Vote: Very Good
- February 2017 – May 2017 **Internship**  
 NordGen institute, Ås (Norway)  
 Training in genomic techniques: use of high density 600K SNP genotyping array for chicken in order to carried out runs of homozygosity in five Norwegian laying hens breeds.
- November 2013 **Veterinary License**  
 School of Bioscience and Veterinary Medicine - University of Camerino (Italy)
- October 2013 **Master degree in Veterinary Medicine**  
 School of Bioscience and Veterinary Medicine - University of Camerino (Italy)  
 Thesis Title: Genetic improvement of fiber production in the Inner Mongolia Cashmere Goat.  
 Vote: 102/110
- September 2010 – September 2011 **Erasmus project**  
 Facultad de Veterinaria UNEX , Avda. de la Universidad s/n, 10003 Cáceres (Spain).
- July 2005 **High school diploma (classical studies)**  
 Liceo Classico "Costanza Varano" - Camerino (Italy)

**PERSONAL SKILLS**

Mother tongue(s) Italian

 Other language(s)  
 Self-assessment

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English	C1	C2	C2	C1	C2
Spanish	C1	C2	C2	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user Common European Framework of Reference for Languages

- Communication skills** During my PhD experience I gained good communication skills through lectures, seminars, writing papers and training more junior people.
- Organisational / managerial skills** In June, 2017 I was one of the main organizer for the 7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals.  
In 2018 I was coordinator for the rural development project: "Hemp network: hemp multipurpose in the agriculture no food field."
- Job-related skills**
- Molecular biology techniques:  
Isolation of DNA, RNA and proteins from various biological sources, primers design, gene cloning and plasmid extraction, RNA reverse transcription, PCR, RT-PCR, 5' and 3' RACE-PCR, qPCR, DNA gel electrophoresis cDNA library preparation, Western-blotting analysis. Bioinformatic analysis of the nucleotide sequences.
  - Genetics, genomics and population genetics software:  
(please see the software listed below in the "Digital skills" section)
  - Excellent skills in microlivestock breeding and reproduction:  
mainly terrestrial invertebrates (cockroaches, grasshoppers, crickets, reduviidae, beetles, phasmids, arachnids, ants, mealworm...). Owner of a small breeding of such species.
  - Good competences in collection, classification and preparation of insects and arachnids specimen.
  - Good skills in safely handling of poisonous insects and arachnids.
  - Good competences in breeding and clinic of small animals, exotic animals and unconventional animals (rodents and reptiles).

**Digital skills**

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user  
Digital competences - Self-assessment grid

- Operating system:  
Excellent skills with Windows os., Mac os. and Unix o.s.
- General software and Genetic analysis software:  
Microsoft office package; Geospiza FinchTV; GenAlEx; Excel microsatellite toolkit; PHYLIP software; STRUCTURE; Endog 4.8; GENEPOP.; ARLEQUIN; Plink software; R studio ; Admixture.

**Driving licence** B

ADDITIONAL  
INFORMATION

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- Publications**
- Pazzaglia, I., Mercati, F., Antonini, M., Capomaccio, S., Cappelli, K., Dall'Aglio, C., ... **Pallotti, S.**, Pediconi, D., & Renieri, C. (2019). PDGFA in Cashmere Goat: A Motivation for the Hair Follicle Stem Cells to Activate. *Animals*, 9(2), 38.
- Esposti, R., Habluetzel, A., Matricardi, G., **Pallotti, S.** (2019) Dai pascoli alla tavola. la redditività della filiera zootecnica locale, tra differenziazione e diversificazione, in: NUOVI SENTIERI DI SVILUPPO PER L'APPENNINO MARCHIGIANO DOPO IL SISMA DEL 2016, *Ancona. ISSN 1721-5269; ISBN 978 88 3280 083 8*
- Pallotti, S.**, Pediconi, D., Subramanian, D., Molina, M. G., Antonini, M., Morelli, M. B., ... & La Terza, A. (2018). Evidence of post-transcriptional readthrough regulation in FGF5 gene of alpaca. *Gene*. DOI: 10.1016/j.gene.2018.01.006
- Pallotti, S.**, La Terza, A., De Cosmo, A., Pediconi, D., Pazzaglia, I., Nocelli, C., & Renieri, C. (2017). Genetic variability of the short-haired and rough-haired Segugio Italiano dog breeds and their genetic distance from the other related Segugio breeds. *Italian Journal of Animal Science*. DOI: 10.1080/1828051X.2017.1317221
- Pallotti, S.**, Wang, J., Tang, P., Antonini, M., Lou, Y., Pieramati, C., Valbonesi, A., & Renieri, C. (2017). Variability of fibre quality on Chinese Alashan Left Banner White Cashmere goat. *Italian Journal of Animal Science*. DOI: 10.1080/1828051X.2017.1350121
- Articles accepted for publication**
- Pallotti, S.**, Valbonesi, A., Yujie, L., Peirong, T., Sarti, F., M., Cartoni Mancinelli, A., Marco, A., Changes in fleece characteristics of yearling Chinese Alashan Left Banner White Cashmere goat. *Small Ruminant Research*
- Articles under review**
- Pallotti, S.**, Valbonesi, A., Yujie, L., Jiyuan, Y., Peirong, T., Antonini, M., Postnatal development of the skin follicle population in the Chinese Alashan Left Banner White Cashmere goat. *Asian-australasian journal of animal sciences*
- Pallotti S.**, Riganelli, S., Antonini, S., Valbonesi, A., Renieri, C. Estimates of environmental effects for measures of hunting performance in short-haired and rough-haired Italian Hound. *Italian Journal of Animal Science*
- Presentations and Conferences**
- Seminar speaker: POPULATION GENETICS IN DOG. Veterinary Medicine Department- School of Bioscience and Veterinary Medicine – University of Camerino (May 31, 2018).
- LOCAL ORGANIZERS for 7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals. Assisi, Italy (June 2017).
- BIOLOGY AND GENETICS OF THE DOG'S COAT: COLOR AND STRUCTURE. Theatre presentations: *inheritance of the color of the coat*. Carried out in Chiaravalle(Italy), Auditorium Croce Gialla - via F.III Cervi,1/A on 06 september 2014

## GENETICS AND CLINIC OF THE DOG

Theatre presentation: *Genetic variability of the Segugio Italiano*.

carried out in Abitalia Tower Plaza Hotel - San Rossore – PISA (Italy) on 03 June 2016

## Conference papers

Pallotti S., Pediconi D., Subramanian D., Molina M.G., Antonini M., Renieri C. and Laterza A.  
Molecular characterization of fibroblast growth factor 5 (fgf5) gene in alpaca.

Book of Abstracts of the 66th Annual Meeting of the European Federation of Animal Science (2015) – 21, 396.

DOI: 10.3920/978-90-8686-816-2

Pallotti S., De Cosmo A. M., La Terza A., Pediconi D., Pazzaglia I., Nocelli C., Gubbiotti M. and Renieri C.  
Genetic variability of the short-haired and long-haired Segugio Italiano.

Book of Abstracts of the 67th Annual Meeting of the European Federation of Animal Science (2016) – 22, 595.

DOI: 10.3920/978-90-8686-830-8

Pallotti S., Pediconi D., Dharaneedharan Subramanian, Molina M.G., Antonini M., Renieri C., La Terza A.  
Alpaca FGF5: Post-transcriptional Readthrough regulation in Skin Biopsies.

Book of abstracts of the 7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals (June 2017) – 59.

Pallotti S., Wang J., Tang P., Antonini M., Lou Y., Pieramati C., Valbonesi A., Renieri C.  
Variability of fiber quality on Chinese Alashan Left Banner White cashmere goat.

Book of abstracts of the 7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals (June 2017) – 62.

Pazzaglia I., Mercali F., Antonini M., La Terza A., Nocelli C., Pallotti S., Pediconi D., Renieri C.

Genetic basis of early activation of hair follicle in cashmere goat: an approach with candidate genes.

Book of abstracts of the 7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals (June 2017) – 73.

Chandramohan B., Nocelli C., Pazzaglia I., Pallotti S., Pediconi D., La Terza A., Renieri C.

Interaction of ASP and MC1R in black and brown alpaca.

Book of abstracts of the 7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals (June 2017) – 58

- Poster
- Pallotti S., Pediconi D., Subramanian D., Molina M.G., Antonini M., Renieri C. and Laterza A.  
Molecular characterization of fibroblast growth factor 5 (fgf5) gene in alpaca.  
66th Annual Meeting of the European Federation of Animal Science (2015). Warsaw, Poland .
- Pallotti S., De Cosmo A. M., La Terza A., Pediconi D., Pazzaglia I., Nocelli C., Gubbiotti M. and Renieri C.  
Genetic variability of the short-haired and long-haired Segugio Italiano.  
67th Annual Meeting of the European Federation of Animal Science (2016) Belfast, U.K.
- Pallotti S., Pediconi D., Dharaneedharan Subramanian, Molina M.G., Antonini M., Renieri C., La Terza A.  
Alpaca FGF5: Post-transcriptional Readthrough regulation in Skin Biopsies.  
7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals  
(June, 2017). Assisi, Italy.
- Pallotti S., Wang J., Tang P., Antonini M., Lou Y., Pieramati C., Valbonesi A., Renieri C.  
Variability of fiber quality on Chinese Alashan Left Banner White cashmere goat.  
7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals  
(June, 2017). Assisi, Italy
- Chandramohan B., Nocelli C., Pazzaglia I., Pallotti S., Pediconi D., La Terza A., Renieri C.  
Interaction of ASP and MC1R in black and brown alpaca.  
7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals  
(June, 2017). Assisi, Italy.
- Pazzaglia I., Mercati F., Antonini M., La Terza A., Nocelli C., Pallotti S., Pediconi D.,  
Renieri C.  
Genetic basis of early activation of hair follicle in cashmere goat: an approach with candidate genes.  
7th European Symposium on South American Camelids and 3rd European Meeting on Fibre Animals  
(June, 2017). Assisi, Italy.
- Memberships
- SIVAE* - Società Italiana Veterinari Animali Esotici (2017) (Italian Exotic Animal Veterinary Association)  
*SCIVAC* - Società Culturale Italiana Veterinari per Animali da Compagnia (2017) (Italian Companion Animal Veterinary Association)  
*SIVAR* - Società Italiana Veterinari Animali da Reddito (2017) (Italian Large Animal Veterinary Association)  
EAAP - European federation of animal science (2016)
- Courses and workshop
- ADVANCED COURSE OF STATISTICAL ANALYSIS FOR LIVESTOCK SCIENCE A.S.P.A.(Scientific Association of Animal Production).  
Carried out in Environmental and Agricultural Science Department of Pisa University, Pisa (Italy), from 06 february to 10 february, 2017
- Workshop: Communication, Collaboration, and Career Readiness.  
Carried out at School of Advanced Studies - University of Camerino, May 22 to 25, 2017
- STATISTICS AND DATA MANAGEMENT  
Carried out at School of Advanced Studies - University of Camerino, from October 3 to 6, 2016
- Genetic analysis of population structure using ENDOG programme.  
carried out in School of Bioscience and Veterinary Medicine - University of Camerino, May 13, 2016.
- Horizon 2020: workshop for young researchers  
carried out at University of Camerino april 01,2016
- BASIC COURSE OF STATISTICAL ANALYSIS FOR LIVESTOCK SCIENCE A.S.P.A.(Scientific Association of Animal Production).  
Carried out in Environmental and Agricultural Science Department of Pisa University, Pisa (Italy), from 14 september to 18 september 2015

**Seminars attended**  
2015 - 2017

Computer modeling of RNA structures and their biological functions  
Construction and functional evaluation of a shuttle plasmid vector for *Lactococcus lactis* delivery genes into mammalian cells  
My Genomics in Unicam.  
DNA G-Quadruplexes: From Nucleic Acid Aptamers to Highly Ordered Supramolecular Structures.  
The molecular genetics of hereditary colorectal cancers: a growing complexity.  
Functional role of physical exercise on reactivation of adult neural stem cells.  
Entomology seminars.  
Traditional Medicine in Tanzania: The role of research to assure effective and safe practices in human and animal health care  
How to present scientific results to the general public  
How to write a scientific article for the general public  
English for writing research papers.  
How to get published.  
Comportamento citazionale e valutazione della ricerca.  
Proprietà intellettuale e comunicazione scientifica nella società dell'informazione.

**Other academic contributions**

CO-SUPERVISOR FOR THE MASTER DEGREE THESIS: "Inheritance of Suri in Alpaca"  
Course: Master degree in Veterinary Medicine  
candidate: Andrea Plo Sollazzo.  
Supervisor: Prof. Carlo Renieri  
academic year 2016/2017

Training of more junior people in the molecular biology laboratory.

**Date and Signature**

Camerino 01/08/2019

