

PERSONAL INFORMATION

Sara Trova



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Sex Female | Date of birth 25/04/1989 | Nationality Italian

POSITION

PhD student (cycle XXIX) at the Doctoral School in Life Science and Health (PhD program in Neuroscience)

WORK EXPERIENCE

01/2014–Present

PhD student in Neuroscience

PhD position (Cycle XXVII) at the Doctoral School in Life and Health Sciences, University of Turin Regione Gonzole, 10, Orbassano, Turin (Italy), 10043 Turin (Italy)

Research carried out at the Dept. of Life Sciences and Systems Biology at the University of Turin (Italy)

Business or sector Experimental Neuroscience

01/2014–Present

Teaching collaboration

Seminars entitled "Epigenetics in the Nervous System", Course in Developmental Biology (Chair: Prof. Aldo Fasolo), Turin (Italy)

Master's degree in Molecular Biotechnology (University of Turin, Italy)

Business or sector BIO/06 - comparative anatomy and cytology

01/2014–Present

Supervisor for student's laboratory trainings

University of Turin, Turin (Italy)

Practical training of undergraduate students during their stages in the laboratory

Students: 2 bachelor degree students

Business or sector Experimental Neuroscience

01/2013–10/2013

Stage at the University of Turin

University of Turin, Turin (Italy)

Training for the master's degree thesis at the Dept. of Life Sciences and Systems Biology at the University of Turin (Italy)

Business or sector Experimental Neuroscience

12/2010–01/2011

Stage at the Cytogenetic Laboratory, Hospital

Ospedale Parini di Aosta, Aosta (Italy)

Preparation of cells cultures, karyotype determination, prenatal diagnosis

Business or sector Biomedical Analysis

EDUCATION AND TRAINING

- 01/2014–Present **PhD student (cycle XXIX) at the Doctoral School in Life Science and Health (PhD program in Neuroscience)** EQF level 8
- University of Turin, Turin (Italy)
- Project subject: "The interplay between GnRH System and Adult Neurogenesis". Supervisor: prof. Paolo Peretto.
- 09/2011–10/2013 **MSc in Molecular and Cellular Biology** EQF level 7
- University of Turin, Turin (Italy)
- Master degree in Molecular and Cellular Biology with 110/110 magna cum laude
- Project subject: "Time course analysis of the neurogenic response in a mice model of acute striatal neurodegeneration". Supervisor: Dr. Federico Luzzati
- 09/2008–10/2011 **BS in Biological Science** EQF level 6
- University of Turin, Turin (Italy)
- Bachelor degree in Biological Science with 110/110 cum laude
- Thesis title: "Brainbow: a rainbow in the brain". Supervisor: prof. Aldo Fasolo
- 09/2003–07/2008 **Secondary School Diploma** EQF level 5
- Regione Autonoma Valle d'Aosta, Aosta (Italy)
- Scientific diploma with 88/100 at Liceo Scientifico E. Bérard di Aosta (Italy)
- Scientific diploma with linguistic major in French

PERSONAL SKILLS

Mother tongue(s) Italian

| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
|-------------------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| French | C1 | C1 | C1 | C1 | C1 |
| English | B1 | B1 | B1 | B1 | B1 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference for Languages](http://www.cerl.eu/)

Communication skills Oral communication skills gained through my experience during my academic carrier (degrees and annual PhD reports).

Organisational / managerial skills In my free time I teach Rytmic Gymnastic to children aged 3-10. I had temporary experience as convention hostess and assistant.

Job-related skills -Molecular biology (RNA and DNA extraction, polymerase chain reaction [PCR], oligonucleotide

design);

- Histology (perfusion, tissue fixation, cryostat sectioning, immunohistochemistry, immunofluorescence);

- Cell biology (cell culture, cell count, tissue dissociation, neurospheres passage, neurosphere counting and plating);

- Microscopy (brightfield, fluorescence, confocal, stereological counting);

- Behaviour (olfactory enrichment/deprivation paradigm; odour stimulations);

- Computer skills and application of statistical analysis (PC based applications; Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Adobe Photoshop, Inkscape, SPSS)

Computer skills

- Good command of Microsoft Office™ tools
- Competence in using statistical software (SPSS)
- Editing of images/photos (Photoshop; Photofilter, ImageJ)
- Preparation of posters and figures using vector graphics (Inkscape)
- Preparation of presentations using Microsoft office PowerPoint

Experiences abroad

During my Secondary school studies I took part to an international exchange program between Italy and France. I attended French High school in Cluse - France (one week) in 2006, in Marseille - France (two weeks) in May 2007 and in Mentone - France (one week) in September 2007.

Driving licence

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ADDITIONAL INFORMATION

Publications

- Giulia Nato, Alessia Caramello, **Sara Trova**, Valeria Avataneo, Chiara Rolando, Verdon Taylor, Annalisa Buffo, Paolo Peretto* and Federico Luzzati* "Striatal astrocytes produce neurons in an excitotoxic model of Huntington's disease", **under revision** (DEVELOPMENT) *co-last-authors.

Conferences

- FENS (Federation of European Neuroscience Societies) Forum 5-9 July 2014, Milan (Italy)
- NENS (Neural Development and Neurodevelopmental Disorders) 22-26 September 2014, Turin (Italy)

Posters

- G.Nato, A.Caramello, **S.Trova**, P.Peretto, F.Luzzati - "Nature of the neuronal progenitors involved in the neurogenic response to Quinolinic Acid striatal lesions". Fens Forum, Milan, Italy. 5-9 July 2014

Honours and awards

30 September 2014: OPTIME award for the "Best Young Graduates of the Year" provided by the Torino Industrial Society.