



Eleonora Dallorto

Date of birth: 04/07/1996 | **Nationality:** Italian | **Gender:** Female | (+39) 3312910901 |

eleonora.dallorto@gmail.com | eleonora.dallorto@unito.it |

<https://www.linkedin.com/in/eleonora-dallorto/> | Skype: eleonora.dallorto |

Str. Boschi n° 1, 12060, Pocapaglia, Italy

About me:

I am a joint PhD candidate in Neuroscience at the University of Turin (UniTO) and Université Côte d'Azur (UCA). My research deals with the identification of molecular mechanisms crucial for mitochondrial function in postnatal neurogenic niches and their implication in cognitive disorders. In particular, I am focusing on the mitochondrial dysfunction caused by deficiency of the transcriptional regulator Nr2f1 within the mouse hippocampus, in order to investigate its outcome on neuronal plasticity and function.

WORK EXPERIENCE

01/11/2021 – CURRENT – Turin, Italy

PHD STUDENT IN NEUROSCIENCE - UNIVERSITY OF TURIN – DEPARTMENT OF LIFE SCIENCES AND SYSTEMS BIOLOGY & NEUROSCIENCE INSTITUTE CAVALIERI OTTOLENGHI

Joint PhD candidate in Neuroscience at the University of Turin (UniTO) and the University Côte d'Azur (UCA) within the framework of the Vinci Program 2020 (Università Italo-Francese/Université Franco-Italienne).

09/2020 – 03/2021 – Homburg, Saarland, Germany

INTERNSHIP AS MASTER STUDENT – UNIVERSITÄT DES SAARLANDES - CENTRE FOR INTEGRATIVE PHYSIOLOGY AND MOLECULAR MEDICINE (CIPMM)

Erasmus+ program

Master thesis in the Department of Molecular Physiology, Prof. Dr. Frank Kirchhoff (frank.kirchhoff@uks.eu) under Dr. Anja Scheller, PhD (Anja.Scheller@uks.eu) supervision.

Aim of the project: Work towards an understanding of the role of glial and interneuron subpopulations during demyelination process in mouse spinal cord using the toxic cuprizone model and LPC model.

Acquired skills:

- vibratome sectioning
- PCR
- immunohistochemistry
- whole body perfusion fixation of mice
- spinal cord tissue sampling and preparation
- fluorescence intensity analysis and cell counting (Zeiss ZEN Blue)
- statistical and data analysis (Excel, Graphpad 8, Matlab)

10/2019 – 02/2020 – Azienda Ospedaliera San Luigi, Orbassano, Torino, Italy

INTERNSHIP AS GRADUATE STUDENT – UNIVERSITY OF TURIN - NEUROSCIENCE INSTITUTE CAVALIERI OTTOLENGHI (NICO)

Student Intern in Adult Neurogenesis group, Prof. Paolo Peretto, under the supervision of Silvia De Marchis, PhD Associate Professor (silvia.demarchis@unito.it) and Sara Bonzano, PhD (sara.bonzano@unito.it).

Acquired skills:

- cryostat sectioning, PCR, immunohistochemistry
- microglia cell counting (Neurolucida)
- statistical analysis (Excel, Graphpad 8)

Bachelor Internship in Adult Neurogenesis group, Prof. Paolo Peretto, under the supervision of Silvia De Marchis, PhD Associate Professor (silvia.demarchis@unito.it), Sara Bonzano, PhD (sara.bonzano@unito.it) and Isabella Crisci, PhD student (isabella.crisci@unito.it)

Acquired skills:

- cryostat sectioning
- immunohistochemistry
- cell counting and morphological analysis (ImageJ)
- statistical analysis

● EDUCATION AND TRAINING

2018 – 04/2021 – Via Accademia Albertina n° 13, Torino, Italy

MASTER DEGREE IN CELLULAR AND MOLECULAR BIOLOGY - NEUROBIOLOGICAL TRACK – University of Turin - Department of Life Science and System Biology, Torino, Italy

Thesis project: *Comparative analysis of systemic and focal demyelination models of multiple sclerosis on murine spinal interneurons and glial cells*

Tutors: Prof. Dr. Silvia De Marchis, Prof. Dr. Frank Kirchhoff, Dr. Anja Scheller

Final grade: **110/110**

Date of discussion: 19th April 2021

10/2015 – 07/2018 – Via Accademia Albertina n° 13, Torino, Italy

BACHELOR DEGREE IN BIOLOGICAL SCIENCES – University of Turin - Department of Life Science and System Biology, Torino, Italy

Cellular and biomolecular curriculum

Final dissertation: *Role of neuroinflammatory mediators in the adult hippocampal neurogenesis*

Tutor: Prof. Dr. Silvia De Marchis

Date of discussion: 20th July 2018

2010 – 2015 – Bra, Italy

HIGH SCHOOL DIPLOMA – Liceo Linguistico statale " G. Giolitti - G.B. Gandino"

High school studies in foreign languages

- English
- German
- French

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
GERMAN	B2	B2	B2	B2	B2
FRENCH	B1	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Operative Systems & Microsoft Products

Windows Operating System | Linux (Basic commands) | Microsoft Office (Word, Powerpoint, Excel)

Good command for image processing software & graphics

ImageJ/Fiji | Suite Adobe (Illustrator, Indesign, Photoshop) | Biorender | GIMP editor | Basic knowledge of ZEN Zeiss microscopy software | Basics of Vector graphics (Inkscape)

Good knowledge in data analysis software

R & RStudio | GraphPad | Matlab/SIMULINK

MANAGEMENT AND LEADERSHIP SKILLS

Public speaking and presentation skills

During my traineeship I had the weekly task of presenting my results to the team and I monthly participated to various literature webinars and journal clubs. During my bachelor's and master's studies I trained with other fellow students in small groups in preparing scientific literature presentations and how to write a research proposal.

Teamwork

In my previous work experiences I've always worked cooperatively and effectively with all team members, maintaining a good-working relationship. As a good team member I have always communicated and shared my ideas and concerns showing respect and active listening.

Problem-solving

I tend to address complex problems in an easy step-by-step way to develop effective solutions, using my knowledge, analytical and technical skills. I think it is important to gather more information about a problem by brainstorming with other team members, consulting more experienced colleagues.

Critical thinking and analytical skills

I developed good critical and analytical thinking in interpreting my first results, choosing with my supervisors the most suitable method to quantify the results I produced and combining what I obtained with the existing knowledge in order to draw the most accurate conclusions.

Goal setting and project management

Good organizational skills gained during my academic and laboratory training experiences. Good in creating and keeping deadlines.

● CONFERENCES AND SEMINARS

2018

BraYn - 1 st Brainstorming Research Assembly for Young Neuroscientists

Contribution in research project data analysis showed at the 1st Brainstorming Research Assembly for Young Neuroscientists congress "BraYn" in Genova

13/12/2021 – 17/12/2021 – Université Côte d'Azur, Amphithéâtre le Galet, Hôpital Pasteur 2, Nice

Winter school - Mitochondria in health, disease and aging

● CERTIFICATES ACHIEVED DURING LABORATORY TRAINING

11/2020

Certificate of Attendance "MATLAB and Data Analysis"

Centre for Integrative Physiology and Molecular Medicine (CIPMM)

11/2020

Certificate of completion - Research Animal Training

eModules: Anaesthesia for Minor Procedures (EU20), Humane Methods of Killing (EU6), Recognition and Prevention of Pain, Suffering and Distress (EU5)

25/11/2021 – 25/11/2021

Animal house course

Introductory course developed in these modules:

- Animal house management
- Models and breeding management
- Techniques for behavioural tests

● DOCTORAL EDUCATIONAL ACTIVITIES

20/01/2022

Clinical, methodological and theoretical aspects of translational and cognitive neuroscience

Teachers: A. Berti, A. Chiò, M. Giustetto
Broad Neuroscience Training

HONOURS AND AWARDS

10/2020

EDISU Piemonte Scholarship Winner – EDISU Piemonte - Ente regionale per il diritto allo studio

10/2019

Scholarship in support of student international mobility – Department of Life Science and System Biology (DBIOS)

10/2019

EDISU Piemonte Scholarship Winner – EDISU Piemonte - Ente regionale per il diritto allo studio

03/2019

Erasmus+ Scholarship winner 2019/2020 – Erasmus Program - University of Turin

Master Thesis Project Research, Universität des Saarlandes, Saarland, Germany

06/2018

Scholarship winner project "Upgrade English" – CLAUUnitO (University of Turin Language Centre)

COURSES

11/2020 – 02/2021

Deutschkurse im ISZ Saar, Level B2

Universitaet des Saarlandes - Winter Semester 2020/2021

11/2020

Mouse handling seminar (Tierschutzkurs)

Universitaet des Saarlandes

01/2019

Preparation course for CAE (Certificate Advanced English) certification

course offered for talented students
CLA Unito - University of Turin

LANGUAGE CERTIFICATES

03/2021

OLS german language assessment

Level B2, according to the Common European Framework of Reference for Languages (CEFR)

02/2021

Teilnahmebestätigung „Deutsch als Fremdsprache“ – Niveau B2.1

ISZ Saar - Internationales Studienzentrum Saar der Universität des Saarlandes

09/2019

Sprachniveau B1 des Gemeinsamen Europäische Referenzrahmens für Sprachen

CLA Unito - University of Turin

12/2018

Cambridge Assessment English Level 3 Certificate in ESOL International

Council of Europe level B2

06/2014

Goethe-Zertifikat B1

Goethe-Institut e.V.

04/2013

Diplôme d'études en langue française (DELF) B1

DELF/DALF

● **OTHER CERTIFICATES**

19/01/2022

Qualification to exercise the Profession of Biologist - Abilitazione all'esercizio della professione di biologo

Torino , 04/02/2022



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