

CURRICULUM VITAE

Rita Lodico

Date and Place of Birth: April 12th, 1983, Verona, Italy

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Languages (Spoken and written): Italian, English.

Driving license: type B

EDUCATION

- 1997-2002** Liceo Classico “Agli Angeli” in Verona, Italy (Senior High School of Humanistic)
- 2002-2005** Student, Faculty of Biology, University of Padua.
- September 28th, 2005** Degree in Biology at University of Padua. Thesis: “Cloning of a lizard (*Podarcis sicula*) keratine cDNA and expression in eukariotic cells”. (Supervisors: Dott.ssa Luisa Dalla Valle and Dott.ssa Vania Toffolo, University of Padua, Italy), with the mark: 96/110.
- 2005-2008** Student of Medical Biology, University of Bologna, Italy.
- July 10th, 2008** Degree in Medical Biology, University of Bologna. Thesis: “Evaluation of pharmacological effects of an ansiolytic and an antidepressive drug on the induced behavioural and physiological alterations in a rat model of Social Defeat”. (Supervisors: Prof. Moreno Paolini, University of Bologna; Dott.ssa Maria Razzoli, Research Center GlaxoSmithKline, Verona, Italy), with the mark: 110/110 cum laude.
- January 2008 - Now** PhD Student in Multimodal Imaging in Biomedicine, in Dept. Of Neurological, Neuropsychological, Morphological and Motor Sciences, Section of Anatomy and Histology, University of Verona, Italy (cicle 24°).

STAGES AND COURSES

April – September 2005:

Stage at Dept. of Biology, University of Padua, Italy.

2006-2007:

Stage Behavioural Neuroscience Department, Research Center of GlaxoSmithKline, Verona, Italy.

2007:

Training course for people working with laboratory animals (organized by “Committee on Animal Research Ethics”, GlaxoSmithKline, Verona, Italy).

Course of Biosafety (GlaxoSmithKline, Verona, Italy).

2009:

Training course for people working with laboratory animals (organized by CIRSAL-Center for the Experimental Research with laboratory animals, University of Verona, Italy).

Partecipation at the “Epicure Meeting” (February 5th-8th, University Charité, Berlin, Germany).

Course on Experimental Epileptology (February 8th-14th, University Charité, Berlin, Germany).

Course of human cadaver dissection (April 26th-30th, University of Szegeed, Hungary).

SKILLS AND LABORATORY PRACTISES

Handling and housing of laboratory animals; oral, intraperitoneal and subcutaneously administration of drugs in mice and rats; practices of surgery in animals and implant of telemetry probes and osmotic pumps; perfusions and sampling of organs in mice and rats.

Behavioural tests in animal models of epilepsy, depression and anxiety; set up and use of instruments and software for the acquisition and analysis of behavioural, electrical and physiological parameters.

Skills in molecular biology and cloning, DNA purification, cells coltures and trasfection tecniques, proteins quantification, Western blotting.

COMPUTER SKILLS

Windows operative system (1998, 2000, XP, Vista) and software: Word, Excel, Power Point.

Graphic software Corel Draw 12.

RASMOL Software: for the 3D graphic visualization of different kinds of molecules (proteins, nucleic acids and other small molecules).

Statistic software: Statistica 6 (Microsoft Corp., Tulsa, UK).

Software for the acquisition of behavioural data in laboratory animals: The Observer XT, Ethovision XT, CatWalk XT (Noldus, The Netherlands).

PARTECIPATION AT SCIENTIFIC WORKS

Guidi A., Razzoli M., Carboni L., Lodico R., Arban R., Long term conditioning properties of social defeat on rats behaviour and adrenal reactivity, Congress of the Italian Society of Neuroscience, Verona (Italy), September 27th-30th, 2007.

Razzoli M., Lodico R., Guidi A., Arban R., Pharmacological characterisation of social defeat induced contextual conditioning in rats, a potential model of cued-related anxiety disorders, Forum of Federation of European Neuroscience Societies, Geneva (Switzerland), July 12th-16th, 2008.

Mosconi E., Pellitteri M., Schio F., Lodico R., Zanetti L., Fiorini S., Nicolato E., Fabene P. F., Marzola P., T₂ relaxation and ¹H-MRS in early stage of pilocarpine-induced status epilepticus, ISMRM Italian Chapter, Milan, 4th-5th February, 2009.

Caputo G., Battistella T., Fabene P., Lodico R., Pellitteri M., Barisoni D., Pheripheral nerve regeneration by Adipose Derived Stem Cells (ADSCs), 11° Congress of ESPRAS-European Societies of Plastic Reconstructive and Aesthetic Surgery, Rhodes (Greece), September 20th-26th, 2009;
22° National Congress of Italian Society of Microsurgery, Modena (Italy), October 1st-3nd, 2009.

Lodico R., Pellitteri M., Chakir A., Becchi S., Schio F., Mariotti R., Bortolami O., Verlatto G., Sbarbati A., Fabene P.F., An optimized mice training protocol suitable for CatWalk, a computer-assisted gait analysis system, Neuroscience 2009, Chicago (IL), October 17th-23th, 2009.

Zenaro E., Budui S.L., Laperchia C., Pietronigro E., Schio F., Lodico R., Buffelli M.R., Fabene P., Constantin G., Two-photon microscopy studies of Th17 cell trafficking in an experimental model of epilepsy, Congresso f the Italian Association of Neuro Immunology (AINI), Stresa – Lake Maggiore (VB), 30th September – 3rd October, 2010.