

Curriculum Vitae

Elisa Bovo

Date of birth: August 18th, 1979

Current Address: 605 w madison st., 60661 Chicago IL

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Educational history :

University of Padova, Italy (January 2004- December 2006)

PhD in Molecular and Cellular Biology. Advisor: E. Damiani (Department of Experimental Biomedical Sciences)

Thesis dissertation: “The Calcium Calmodulin Dependent Protein Kinase II of sarcoplasmic reticulum and its role in glycogen metabolism”.

University of Padova, Italy (September 1998-July 2003)

Laurea degree in Biotechnological Sciences. Advisor: S. Varotto (Department of Environmental Agronomy and Crop Productions)

Thesis dissertation: “ Characterization of three histone deacetylases RPD3-like of *Zea mays*”

Score of 110/110 *cum laude*.

Professional history:

Rush Medical Center, Chicago, Illinois (Sept 2008- up to now) :

Research Assistant in the laboratory of Dr. Lothar Blatter (Physiology Department)

Rush Medical Center, Chicago, Illinois (Sept 2007- Aug 2008) :

Training in Ca^{2+} imaging techniques associated to Confocal Microscopy in the laboratory of Dr. Michael Fill (Physiology Department).

Title of the project: “Caffeine Actions on Single RyR2 Channel Function”

University of Padova, Italy , (February 2007- July 2007):

Contract in Prof. P. Volpe laboratory. (Department of Experimental Biomedical Sciences)

Technical experimental knowledge:

Molecular biology techniques: nucleic acids extraction, PCR, agarose gels electrophoresis, cloning, site directed mutagenesis, proteins purification from bacteria.

Biochemistry techniques: SDS-PAGE, Coomassie blue staining, Stains all staining, tissue homogenization and Western blot, phosphorylation assay, Ryanodine binding, Glycogen Synthase kinetic assay.

Myocytes isolation from mice and rats hearts.

Publication:

Arch Biochem Biophys. 2006 Nov 16; **Glycogen synthase binds to sarcoplasmic reticulum and is phosphorylated by CaMKII in fast-twitch skeletal muscle.**
Roberta Sacchetto, Elisa Bovo, Leonardo Salviati, Ernesto Damiani, Alfredo Margreth

J Biol Chem. 2005 Feb 25;280 (8): **Glycogen- and PP1c-targeting subunit GM is phosphorylated at Ser48 by sarcoplasmic reticulum-bound Ca^{2+} -calmodulin**

protein kinase in rabbit fast twitch skeletal muscle. Roberta Sacchetto, Elisa Bovo, Arianna Donella-Deana, Ernesto Damiani

BAM 15 (1), 2005 **The Ca²⁺ -calmodulin dependent protein kinase II system of skeletal muscle sarcoplasmic reticulum.** R. Sacchetto, E. Bovo and E. Damiani