



Europass Curriculum Vitae



Personal informations

First name / Surname **Alberto Granzotto**
Address Via Montegrappa, 127
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E-mail alberto.granzotto@gmail.com
Nationality Italian
Date of birth 06 August 1985
Gender Male

Work experience

Dates **September 2013 → Current**

Postdoctoral fellow at Ce.S.I. - Centre of Excellence on Aging
Supervisor: **Prof. Stefano Sensi**
Molecular Neurology Unit
via Luigi Polacchi, 11 66100 Chieti (Italy)
E-mail: ssensi@uci.edu



Dates **January 2011 → August 2013**

Visiting student at Ce.S.I. - Centre of Excellence on Aging
Supervisor: **Prof. Stefano Sensi**
Molecular Neurology Unit
via Luigi Polacchi, 11 66100 Chieti (Italy)
E-mail: ssensi@uci.edu



Dates **February 2010 → December 2012**

Ph.D. in "Biology and medicine of regeneration", University of Padua,
Department of Pharmacy
Supervisor: **Prof. Paolo Zatta**
CNR – Institute for Biomedical Technologies
Dept. of Biology, University of Padua,
via Colombo, 3 35100 Padua (Italy)
E-mail: zatta@bio.unipd.it



Dates **October 2010 → November 2010**

Visiting student at the University of Concepcion,
Faculty of Chemical Sciences
Supervisor: **Prof. Mario Suwalsky**
University of Concepcion



Faculty of Chemical Sciences
Casilla 160-C Concepcion (Chile)
E-mail: msuwalsk@udec.cl

Dates **February 2009 → January 2010**

Experimental thesis on: *“Experimental models for the study of Alzheimer's disease conformational pathology: aggregation of β -amyloid in the presence of metal ions”*

Supervisor: **Prof. Paolo Zatta**

CNR – Institute for Biomedical Technologies

Dept. of Biology, University of Padua,
via Colombo, 3 35100 Padua (Italy)

E-mail: zatta@bio.unipd.it



Education and training

Dates **January 2013**

Ph.D. in “Biology and medicine of regeneration”, University of Padua,
Department of Pharmacy

Dates **November 2010**

Italian Pharmacy Licensure Examination
University of Padua
Via Marzolo 5, 35100 Padua (Italy)

Dates **2004 - 2009**

University degree in Pharmacy (Oct. 2009)
University of Padua
Via Marzolo 5, 35100 Padua (Italy)

Dates **1999 - 2004**

High School Diploma
Liceo scientifico “G. Marconi”
Via J.F. Kennedy 12, 31015 Conegliano (Italy)

Personal skills and competences

Mother tongue Italian

Other languages English (Level B1 – Oxford First Certificate)

Technical skills and competences Biophysical techniques: transmission electron microscopy (TEM), scanning electron microscopy (SEM), spectrophotometry (absorption, emission, fluorescence), atomic absorption, X-ray diffraction, single cell microfluorimetry, confocal microscopy, Airyscan microscopy.

Cellular biology: human neuroblastoma cells SH-SY5Y, HeLa cells. Primary neuronal culture from wild type and transgenic mice (cortical, hippocampal, striatal, and spinal neurons). Primary astrocytes cultures.

Molecular biology: PCR, Western Blotting, Basic cloning techniques, Bacterial transformation, Plasmid DNA isolation and purification, Gelatin zymography.

Behavioral tests: Morris Water Maze.

Computer skills and competences Good command of Microsoft Office tools (Word, Excel, PowerPoint) and LibreOffice tools.

Basic knowledge of graphic design applications (CorelDraw, LibreOffice Draw, Gimp) and graphing/analysis software (OriginPro, SciDavis, ImageJ, Zeiss ZEN)
Basic knowledge of Linux based OS (Ubuntu) and open source software.

Schools and conferences attended

Schools and continuing education

2016

HarvardX course on Cell Biology: Mitochondria (MCB61.1x), Harvard University, certified online course

2015

Continuing education course on the use of animals for scientific and educational purposes, Teramo (Italy)

January 2010

XIV School of Pure and Applied Biophysics on Molecular Mechanism of Neurodegeneration, Venice (Italy)

Conferences

May 2018

European Workshop on Cell Death Poster presentation Fiuggi (Italy)

March 2017

SINDEM Poster presentation Florence (Italy)

May 2016

6th FESTEM Symposium on Trace Elements and Minerals Oral communication Catania (Italy)

April 2016

European Workshop on Cell Death Oral communication and poster presentation Fiuggi (Italy)

March 2013

ADPD 2013 Poster presentation Florence (Italy)

October 2012

SIB 2012 Società Italiana di Biochimica e Biologia Molecolare Poster presentation Chieti (Italy)

November 2011

Neuroscience 2011 Posters presentation Washington DC (USA)

July 2011

ICAD 2011 Alzheimer's Association International Congress Poster presentation Paris (France)

September 2010

"20th National Congress SIBPA" Italian Society of Pure and Applied Biophysics. Poster presentation Arcidosso (Italy)

Fellowships and awards

Marie Skłodowska-Curie Actions fellowship (MSCA-IF GF 2018)

"Più Ricerca e Innovazione" PO FSE Fellowship (2015)

SIBPA (Italian Society of Pure and Applied Biophysics) fellowship (2010)

Publications

1. Sensi SL, Granzotto A, Siotto MC, Squitti R (2018) Copper and Zinc dysregulation in Alzheimer's Disease. Trends Pharmacol Sci.

2. Frazzini V*, Granzotto A*, Bomba M, Massetti N, Castelli V, D'Aurora M, Punzi M, Iorio M, Mosca A, Delli Pizzi S, Gatta V, Cimini A, Sensi SL (2018) The pharmacological perturbation of brain zinc impairs BDNF-related signaling and the cognitive performances of young mice. *Sci Rep* 8:9768 * *Co-first authors*
3. Mosca A*, Sperduti S*, Pop V, Ciavardelli D, Granzotto A, Punzi M, Stuppia L, Gatta V, Assogna F, Banaj N, Piras F, Piras F, Caltagirone C, Spalletta G, Sensi SL (2018) Influence of *APOE* and *RNF219* on Behavioral and Cognitive Features of Female Patients Affected by Mild Cognitive Impairment or Alzheimer's Disease. *Front Aging Neurosci* 10:(92). * *Co-first authors*
4. Bomba M*, Granzotto A*, Castelli V, Massetti N, Silvestri E, Canzoniero LM, Cimini A, Sensi SL (2017) Exenatide exerts cognitive effects by modulating the BDNF-TrkB neurotrophic axis in adult mice. *Neurobiol Aging* 64:33-43. * *Co-first authors*
5. Granzotto A, Sensi SL (2015) Intracellular zinc is a critical intermediate in the excitotoxic cascade. *Neurobiol Dis.* 10.1016/j.nbd.2014.11.013.
6. Isopi E, Granzotto A, Corona C, Bomba M, Ciavardelli D, Curcio M, Canzoniero LM, Navarra R, Lattanzio R, Piantelli M, Sensi SL (2014) Pyruvate prevents the development of age-dependent cognitive deficits in a mouse model of Alzheimer's disease without reducing amyloid and tau pathology. *Neurobiol Dis* doi: 10.1016/j.nbd.2014.11.013.
7. Granzotto A, Zatta P (2014) Resveratrol and Alzheimer's disease: message in a bottle on red win and cognition. *Front Aging Neurosci* 6:(95).
8. D'Aurora M*, Gatta V*, Granzotto A, Stuppia L, Sensi SL (2014) Age-dependent changes in gene expression profiles of 3xTg-AD mice. *Cell Death Dis* 5(2): e1054. * *Co-first authors*
9. Canzoniero LM, Granzotto A, Turetsky DM, Choi DW, Dugan LL, Sensi SL. (2013) nNOS(+) striatal neurons possess functional NMDA receptors but fail to generate mitochondrial ROS in response to an excitotoxic challenge. *Front Physiol*, 4:112.
10. Gatta V*, Granzotto A*, Fincati K, Drago D, Bolognin S, Zatta P and Sensi SL. (2012) Microarray analysis of gene expression profiles in human neuroblastoma cells exposed to A β -Zn and A β -Cu complexes. *Future Neurology* 7(4): 483-497. * *Co-first authors*
11. Granzotto A, Zatta P. (2012) Metal ions and Beta amyloid: conformational modifications and biological aspects, book chapter in "Metal ions in neurological systems", editor Linert W. 77-83.
12. Granzotto A, Zatta P. (2011) Resveratrol acts not through anti-aggregative pathways but mainly via its scavenging properties against β -amyloid and β -amyloid-metal complexes toxicity. *PLoS ONE* 6(6): e21565.
13. Granzotto A, Suwalsky M, Zatta P. (2011) Physiological cholesterol concentration is a neuroprotective factor against β -amyloid and β -amyloid-metal complexes toxicity. *J Inorg Biochem* 105(8), 1066-1072.
14. Granzotto A, Bolognin S, Scancar J, Milacic R and Zatta P. (2011) Beta-amyloid toxicity increases with hydrophobicity in the presence of metal ions. *Monats Chem*, 142(4), 421-430.

Reviewing activities

Frontiers in Neuroscience, BMC Neuroscience, Scientific Reports, Monatshefte für Chemie – Chemical Monthly Frontiers in Endocrinology, Frontiers in Neurology, Frontiers in Aging Neuroscience, Frontiers in Cellular Neuroscience, British Journal of Nutrition, PlosONE.

Certified by Publons (publons.com/a/1371508/)

Teaching activities

Since 2012 - Teaching assistant for the Laboratory of Applied Neurosciences course, School of Psychology, University G. D'Annunzio, Chieti-Pescara

Dichiaro che le informazioni riportate nel presente Curriculum Vitae sono esatte e veritiere.

Autorizzo il trattamento dei miei dati personali, ivi compresi quelli sensibili, contenuti nel presente curriculum vitae, ai sensi e per gli effetti della vigente legge sulla privacy.

Chieti, 15/02/2019

In fede