

CURRICULUM VITAE



Personal Information

Name and Surname: Antonello Manocchio

Date of Birth: 27/09/1983

Place of Residence: C.da Terranova 39, 86011, Baranello (CB), Italy

Nationality: Italian

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Academic Studies

- 17th December 2016 - **M.Sc. in Medical Biotechnology**, University of L'Aquila, Italy (110/110 cum laude). Thesis title: "Uric Acid amplifies β -amyloid effects involved in the pathogenesis of cognitive dysfunction: experimental evidences from *in vitro* models".
- 26th March 2013 - **B.Sc. in Biotechnology**, University of L'Aquila, Italy (110/110 cum laude). Thesis title: "Sclerosi Multipla: ruolo della sfingosina-1-fosfato e del recettore di S1P nell'eziopatogenesi della malattia e prospettive terapeutiche".
- 09th July 2002 - Italian High-School Diploma, Liceo Scientifico Statale "A.Romita", Campobasso, Italy.

Work Experiences

- **February 2019-To date** - Research fellow (Telethon funded) at the Unit of Medical Genetics and Neurogenetics (Dr. Tiranti's Lab, Molecular Pathogenesis of Mitochondrial Disorders), IRCCS Foundation Neurological Institute "C.Besta", Milano, Italy.
- **July 2018-January 2019** - Post-graduate fellow at the Institute of Neuroscience (Dr. Verderio's Lab), Italian National Research Council (CNR), Milano, Italy.

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- **January 2014-December 2016** - Internship student at the Neurobiology Lab (Prof. Cimini), Dept. MeSVA, University of L'Aquila, Italy.
- **May 2016-June 2018** - Part-time waiter at Agriturismo Cassetta, San Giuliano DS (CB), Italy.
- **October 2012-December 2015** - Part-time waiter and barman at Ristorante Pizzeria Raperonzolo, L'Aquila, Italy.
- **May 2003-October 2011** - Photographer's assistant at Studio Fotovideo by Mario A. Santoro, Baranello (CB), Italy.
- Gave private lessons for biology, math and chemistry to secondary and high-school students.

Publications

- Desideri G., Gentile R., Antonosante A., Benedetti E., Grassi D., Cristiano L., **Manocchio A.**, Selli S., Ippoliti R., Ferri C., Borghi C., Giordano A., Cimini A. Uric Acid Amplifies A β Amyloid Effects Involved in the Cognitive Dysfunction/Dementia: Evidences From an Experimental Model In Vitro. J Cell Physiol. 2017 May;232(5):1069-1078. doi: 10.1002/jcp.25509. Epub 2016 Aug 16.

Technical Skills

- **Cellular Biology** - Very good skills in cell handling. Cell lines used: SH-SY5Y; differentiated SH-SY5Y; U87; F11; X-63. Primary cultures experience: human glioblastoma and astrocytoma cells, derived from samples of neurosurgical biopsies; glial cells (astrocytes, microglia) derived from dissection of rats' and mice's brains; human fibroblasts. Microglia polarization and handling of extracellular vesicles. Viability analysis: MTS and MTT assays. Immunological techniques: immunofluorescence; IHC.
- **Biochemistry/Molecular Biology** - Proteins analysis: RIPA-buffer extraction; BCA assay; Bradford/Lowry quantification; SDS-PAGE; Western Blot; ECL detection kit. DNA/RNA extraction; PCR, RT-PCR, qPCR.
- **Instruments** - pHmetre; centrifuge and spinner; autoclave; biological and chemical hood; inverted microscope; light and fluorescence microscope; Thoma/Bürker/Neubauer counting chambers; ELISA plate-reader (Infinte® F200 from Tecan); ECL imaging system (Alliance 4.7 from UVItec Limited); thermocycler.

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- **Animals** - Worked with BALB/c Nude (nu/nu) athymic mice and with C57BL/6J (weight control, feeding, cages cleaning, checking and planning of breeding/crossing, genotyping of transgenic mice, behavioural tests). Abilities in brain dissection (from E17 embryos, P0/P2 pups, adults) and other organs explant; intraperitoneal injections.

Personal Skills

- **Language skills** – Italian (mother tongue), English.
- **IT skills** - ECDL since May 2002; advanced knowledge of Windows operating system and Microsoft Office (Word, Excel, PowerPoint), ImageJ.
- Due to my work experience, I have acquired good organization and communication skills, and decision-making abilities. I also enjoy working as part of a team.

Additional Information

Driving licence: B. Car-equipped.

National and international mobility.

Available for internship or apprenticeship contracts, full-time, part-time and shift work (including overnight).

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