

# Curriculum Vitae

## Personal information

Name / Surname: Massimo D'Agostino  
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Nationality: Italian  
Date of birth: 28/08/1984

## Working experience

Period: From 01.03.2013 to 25.10.2017  
Position Held: Post-doc  
Supervisor: Andreas Mayer  
Name and address of institute: Department of Biochemistry, Chemin des Boveresses 155, 1066 Epalinges, Switzerland. University of Lausanne.

Period: From 24.10.2008 to 28.02.2013  
Position held: PhD  
Supervisor: Stefano Bonatti  
Name and address of institute: Department of Molecular Medicine and Medical Biotechnology, via Pansini 5, 80100 Naples, Italy. University of Naples.

## Education and training

Period: From 2003 to 2008  
Title of qualification: Degree in Medical Biotechnology (3+2 years)  
Name and type of organization: University of Naples, Federico II

Period: from 2008 to 2013  
Didactic experience as assistant to the writing exams for students in Biology

Mother language: Italian

Other languages: English (Understanding, speaking and writing)  
French (Understanding and speaking)

## List of papers:

1. **D'Agostino M.** *Molecular mechanisms for plasma membrane localization of human transmembrane receptors.* PhD thesis, 18 Gen 2012.
2. **D'Agostino M.**, Tornillo G, Caporaso MG, Barone MV, Ghigo E, Bonatti S and Mottola G. *The ligand of Numb protein LNX1p80 and LNX2 interact with the human glycoprotein CD8 $\alpha$  and promote its ubiquitylation and endocytosis.* Journal Cell Science, 1 Nov 2011. 124, 3545–3556.
3. Savarese M, Spinelli E, Gandolfo F, Lemma V, Di Fruscio G, Padoan R, Morescalchi F, **D'Agostino M.**, Savoldi G, Semeraro F, Nigro V, Bonatti S. *Familial exudative vitreoretinopathy (FEVR) caused by a homozygous mutation in TSPAN12 in a cystic fibrosis infant.* Ophthalmic Genetics, 8 July 2013.
4. **D'Agostino M.**, Lemma V, Chesi G, Cannata Serio M, D'Ambrosio C, Scaloni A, Polishchuk R and Bonatti S. *The cytosolic chaperone  $\alpha$ -crystallin B rescues folding and compartmentalization of misfolded multispan transmembrane proteins.* Journal Cell Science, 15 Sep 2013. 126, 4160-4172.
5. Lemma V, **D'Agostino M.**, Caporaso MG, Mallardo M, Oliviero G, Stornaiuolo M, Bonatti S. *A disorder-to-order structural transition in the COOH-tail of Fz4 determines misfolding of the L501fsX533-Fz4 mutant.* Scientific Report, 16 Sep 2013. 16;3:2659.
6. **D'Agostino M.**, Crespi A, Polishchuk E, Generoso S, Martire G, Colombo SF, Bonatti S. *ER reorganization is remarkably induced in COS-7 cells accumulating transmembrane protein receptors not competent for export from the endoplasmic reticulum.* J. Membrane

- Biol., 3 Aug 2014. 247(11):1149-59.
7. Desfougères Y, **D'Agostino M**, Mayer A. *A modular tethering complex for endosomal recycling*. Nat. Cell. Biol. May 2015. 17(5):540-1.
  8. Ciano M, Allocca S, Ciardulli MC, Della Volpe L, Bonatti S, **D'Agostino M**. *Differential phosphorylation-based regulation of  $\alpha$ B-crystallin chaperone activity for multipass transmembrane proteins*. Biochem. Biophys. Res Commun. 2016 Oct 14;479(2):325-330.
  9. **D'Agostino M**, Risselada HJ, Mayer A. *Steric hindrance of SNARE transmembrane domain organization impairs the hemifusion-to-fusion transition*. EMBO Rep. 2016 Nov;17(11):1590-1608.
  10. **D'Agostino M**, Risselada HJ, Lürick A, Ungermann C and Mayer A. *A Tethering Complex Drives the Terminal Stage of SNARE-Dependent Membrane Fusion*. Nature 2017.

**List of books:**

1. **D'Agostino M** and Bonatti S. *Mechanisms controlling the activity of localization signal sequences*. Reference Module in Life Sciences, Elsevier, 2017.