

ALLEGATO B

UNIVERSITÀ DEGLI STUDI DI MILANO

selezione pubblica per n.51 posto/i di Ricercatore a tempo determinato ai sensi dell'art.24, comma 3, lettera b) della Legge 240/2010 per il settore concorsuale 05/E2 - BIOLOGIA MOLECOLARE , settore scientifico-disciplinare BIO/11 - BIOLOGIA MOLECOLARE presso il Dipartimento di Biotecnologie Mediche e Medicina Traslazionale, (avviso bando pubblicato sulla G.U. n. 17 del 02/03/2021) Codice concorso 4531

Sara Martire, Ph.D CURRICULUM VITAE

INFORMAZIONI PERSONALI

COGNOME	MARTIRE
NOME	SARA
DATA DI NASCITA	08/01/1988

POSIZIONE ATTUALE

2015-Present **Postdoctoral Fellow** at UT Southwestern Medical Center, Dallas, TX
presso il laboratorio di Dr. Laura Banaszynski, Laboratory of Chromatin Biology

EDUCAZIONE

2011-2015 **Università Sapienza di Roma**, Italia
Dottorato di ricerca in biochimica e biologia molecolare
Prof. Maria d'Erme

2013 **Newcastle University**, Newcastle, England
Sei mesi di dottorato all'estero con Prof. Neil Perkins

2010-2011 **Università Sapienza di Roma**, Italia
Laurea specialistica in biotecnologie mediche con votazione 110 e lode / 110

2006-2010 **Università Sapienza di Roma**, Italia
Laurea triennale in biotecnologie con votazione 110 e lode / 110

RICONOSCIMENTI E PREMI

2020 The Hamon Center for Regenerative Science and Medicine (CRSM) Trainee Fellowships

2019 Development Travelling Fellowship - The Company of Biologists

2018 Spring Postdoctoral Association Travel Award

2016-2017 American-Italian Cancer Foundation Postdoctoral Research Fellowship

2015 IBRO PERC-FENS World Congress Travel Grant

2014 FENS-IBRO Fellowship

2014 "Start to Research" Award, Sapienza University, Roma

2013 ImmunoTools Award

PUBBLICAZIONI

1. Teng YC, Sundaresan A, Gant V, Li M, Warshaw J, O'Hara R, **Martire S**, Banaszynski L. (2020). ATRX promotes heterochromatin and replicative silencing of G-quadruplex DNA. In revision.
2. **Martire S** and Banaszynski L. (2020) Histone variants: fine-tuning chromatin function through development and disease. *Nat Rev Mol Cell Biol* <https://doi.org/10.1038/s41580-020-0262-8>
3. **Martire S**, Sundaresan A, and Banaszynski L. (2020) Differential contribution of p300 and CBP to regulatory elements in mESCs. *BMC Mol and Cell Biol* 21, 55. <https://doi.org/10.1186/s12860-020-00296-9>
4. **Martire S**, Gogate A, Whitmill A, Tafessu A, Nguyen J, Teng YT, Tastemel T, and Banaszynski L. 2019. Phosphorylation of Serine 31 of H3.3 promotes p300 activity and enhancer acetylation. *Nature Genetics* Jun;51(6):941-946. doi: 10.1038/s41588-019-0428-5.
5. Correani V*, **Martire S***, Mignogna G, Caruso LB, Tempera I, Giorgi A, Grieco M, Mosca L, Schininà ME, Maras B, d'Erme M. 2018 Poly(ADP-ribosylated) proteins in β -amyloid peptide-stimulated microglial cells. *Biochem Pharmacol*. Nov 9. pii: S0006-2952(18)30453-2 **equal contribution*
6. Giorgi A, Tempera I, Napoletani G, Drovandi D, Potestà C, **Martire S**, Mandosi E, Filardi T, Eugenia Schininà M, Morano S, d'Erme M, Maras B. (2017). Poly(ADP-ribosylated) proteins in mononuclear cells from patients with type 2 diabetes identified by proteomic studies. *Acta Diabetol*. 54(9):833-842.
7. **Martire S** and Banaszynski L. (2017). Checks and Balances: Rpd3 Issues Executive Orders in Developmental Enhancer Regulation. *Dev Cell*. 40(4):325-326.
8. **Martire S**, Fuso A, Mosca L, Forte E, Correani V, Fontana M, Scarpa S, Maras B, d'Erme M. (2016). Bioenergetics impairment in animal and cellular models of Alzheimer's disease: PARP-1 inhibition rescues metabolic dysfunctions *J Alzheimers Dis*. 54(1):307-24.
9. Cavallaro R, Fuso A, d'Erme M, Miraglia N, **Martire S**, Scarpa S and Mosca L. (2016). Role of S-adenosylmethionine in the Modulation of Oxidative Stress- Related Neurodegeneration. *International Journal of Clinical Nutrition & Dietetics* 2:IJCND-109.
10. **Martire S**, Mosca L, d'Erme M. (2015). PARP-1 involvement in neurodegeneration: A focus on Alzheimer's and Parkinson's diseases. *Mech of Age and Dev*. 146-148C:53-64.
11. β Francioso A, Punzi P, Boffi A, Lori C, **Martire S**, Giordano C, D'Erme M, Mosca L. (2015). Beta-Sheet interfering molecules acting against β -amyloid aggregation and fibrillogenesis. *Bioorg Med Chem*. 23(8):1671-83.
12. **Martire S** and Fuso A. (2015) Nutrition-Based Modulation of Poly-ADP-Ribosylation and its Possible Role In Alzheimer's Disease. *Ann Nutr Disord & Ther*. 2(1): 1018.
13. **Martire S**, Fuso A, Rotili D, Tempera I, Giordano C, De Zottis I, Muzi A, Vernole P, Graziani G, Lococo E, Faraldi M, Maras B, Scarpa S, Mosca L, d'Erme M (2013). PARP-1 Modulates Amyloid Beta Peptide-Induced Neuronal Damage. *PLoS ONE* 8(9): e72169.
14. Aureli C, Cassano T, Masci A, Francioso A, **Martire S**, Cocciolo A, Chichiarelli S, Romano A, Gaetani S, Mancini P, Fontana M, d'Erme M, Mosca L. (2013) 5-S-Cysteinyldopamine neurotoxicity: influence on the expression of α -Synuclein and of Erp57 in cellular and animal models of Parkinson's disease. *Journal of Neuroscience research*. 92(3):347-58.

ABSTRACT E PRESENTAZIONI

2020	CSHL Epigenetics & Chromatin, Poster , Virtual meeting
2019	Gordon Conference on Epigenetic Mechanisms, Talk , Holderness, NH
2018	Keystone Symposium on Gene Control in Development and Disease, Poster , Whistler, British Columbia, Canada
2017	Gordon Conference on Epigenetics, Talk , Holderness, NH
2015	IBRO World Congress on Neuroscience, Poster , Rio de Janeiro, Brasil
2014	Amyloid-beta and Alzheimer's disease: from fundamental principles to therapeutic strategies, Poster , Barcelona, Spain

2012 β -sheet breakers in the fibrillogenesis and aggregation of amyloid, **Poster**, Roma, Italy
2012 SFRRRI Biennial Meeting, **Poster**, London, UK
2011 Italian Meeting on ADP-Ribosylation Reaction, **Talk**, Torre Del Greco (NA), Italy

INSEGNAMENTO

2015-2020 Molti "rotation students" e dottorandi, UTSW
2016-2017 Jennifer Nguyen, tecnico di laboratorio, UTSW
2014 Collaboratrice per studenti di liceo, Università Sapienza di Roma
2009-2011 Tirocinio formativo per la laurea, Università Sapienza di Roma
2010 Collaboratrice universitaria per studenti di biotecnologie e biologia
 Dipartimento di Scienze Biochimiche, Università Sapienza di Roma

Data

10/03/2021

Luogo

Dallas, TX