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## BIOGRAPHICAL SKETCH

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NAME: ELISABETTA VEGETO		POSITION TITLE: Assistant Professor, University of Milan	
EDUCATION /TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Liceo Linguistico Setti Carraro - Milano	Maturità	1982	Foreign Languages
University of Milan, Institute of Pharmacological Sciences	Ph. D.	1988	Molecular Biology/Endocrinology
University of Milan, Institute of Pharmacological Sciences	Post-doc	1988-90	Molecular Pharmacology
Baylor College of Medicine, Dept Cell Biology, Houston	Post-doc	1990-92	Molecular Endocrinology
University of Milan, Department of Pharmacological Sciences	Post-doc	1993-2002	Molecular Endocrinology and Pharmacology

### A. Positions and Honours

#### Positions and employment

1990-1992	Post-doc, Department of Cell Biology, Baylor College at Houston, TX, USA
1992-1993	Scientific Consultant, Ligand Pharmaceutical Inc. La Jolla, CA, USA
1993-2002	Collaborative Researcher and Temporary Professor, University of Milan, Italy
2002-2010	Assistant Professor, University of Milan, Italy
2012-today	Associate Professor of Pharmacology, University of Milan, Italy

#### Other experiences and Professional Memberships

2002-today	Member of the Italian Society for Pharmacology
2009-2013	Member of the Italian Society for Neuroscience
2004-2005	Member of the Endocrine Society

#### Honours

1993 "Cecilia Cioffrese" Award from the Carlo Erba Foundation for emerging young scientists

#### Selected peer-reviewed publications

1. Vegeto E, Villa A, Della Torre S, Crippa V, Rusmini P, Cristofani R, Galbiati M, Maggi A, Poletti A. The role of sex and sex hormones in neurodegenerative diseases. *Endocrine Reviews* (2020) 41(2):273-319
2. Villa A, Gelosa P, Castiglioni L, Cimino M, Rizzi N, Pepe G, Lolli F, Marcello E, Sironi L, Vegeto E and Maggi A. Sex-specific features of microglia from adult mice. *Cell Reports* (2018) 23:1-11
3. Pepe G, Locati M, Mornata F, Cignarella A, Maggi A, Vegeto E. The estrogen-macrophage interplay in the homeostasis of the female reproductive tract. *Human Reproduction Update* (2018) 24(6):652-672
4. Pepe G, De Maglie M, Minoli L, Villa A, Maggi A, Vegeto E. Selective proliferative response of microglia to alternative polarization signals. *J Neuroinflamm* (2017) 14(1):236
5. Siani F, Greco R, Levandis G, Ghezzi C, Daviddi F, Demartini C, Vegeto E, Armentero MT, Blandini F. Evaluation of gender's influence and possible molecular mechanisms in a murine model of Parkinson's disease. *Front Neurosci* (2017) 11:306
6. Pepe G, Braga D, Renzi TA, Villa A, Bolego C, D'Avila F, Barlassina C, Maggi A, Locati M and Vegeto E Self-renewal and phenotypic conversion are the main physiological responses of macrophages to the endogenous estrogen surge. *Sci. Reports* (2017) 7:44270
7. Villa A, Vegeto E, Poletti A and A. Maggi. Estrogens, Neuroinflammation, and Neurodegeneration. *Endocrine Reviews* (2016) 37(4):372-402

8. Villa A, Rizzi N, Vegeto E, Ciana P, Maggi A. Estrogen accelerates the resolution of inflammation in macrophagic cells. *Sci. Reports* (2015) 5:15224
9. Toniolo A, Fadini GP, Tedesco S, Cappellari R, Vegeto E, Maggi A, Avogaro A, Bolego C, Cignarella A. Alternative activation of human macrophages is rescued by estrogen treatment in vitro and impaired by menopausal status. *J Clin Endocr Metab* (2015) 100(1):E50-8
10. Pepe G, Calderazzi G, De Maglie M, Villa A, Vegeto E. Heterogeneous induction of microglia M2a phenotype by central administration of interleukin-4. *J Neuroinflamm* (2014) 11(1):1031
11. Vegeto E, Cuzzocrea S, Crisafulli C, Mazzon E, Sala A, Krust A, Maggi A. Estrogen receptor-alpha as a drug target candidate for preventing lung inflammation. *Endocrinology* (2010) 151:174-184
12. Vegeto E, Belcredito S, Ghisletti S, Meda C, Etteri S and Maggi A. The endogenous estrogen status regulates microglia reactivity in animal models of neuroinflammation. *Endocrinology* (2006) 147(5): 2263-72
13. Ghisletti S, Meda C, Maggi A and Vegeto E. 17beta-estradiol inhibits inflammatory gene expression by controlling NF-kappaB intracellular localization. *Mol Cell Biol.* (2005) 8:2957-68.
14. Vegeto E, Belcredito S, Etteri S, Ghisletti S, Brusadelli A, Meda C, Krust A, Dupont C, Ciana P, Chambon P and Maggi A. ER $\alpha$  mediates the brain anti-inflammatory activity of estradiol. *Proceedings of the National Academy of Sciences of the United States of America* (2003) 100: 9614-9619,
15. Vegeto E, Bonincontro C, Pollio G, Sala A, Viappiani S, Nardi F, Brusadelli A, Viviani B, Ciana P and Maggi A. Estrogen prevents the LPS-induced inflammatory response in microglia. *J Neurosci* (2001) 21:1809-1818

## C. RESEARCH SUPPORT

### Completed research Support as PI:

- 2012-2017 EC Collaborative project n.278850 „Imaging of Neuroinflammation in neurodegenerative Diseases (INMiND)”
- 2011-2013 CARIPLO Foundation, project n. 2011-0591 “Role of innate immunity in the neuroprotective effect of estrogens: molecular mechanisms and implications for Parkinson’s disease”
- Italian Ministry for University and Research, PRIN-2004 (n. 2004057090\_008)
- University of Milan, FIRST 2003 and FIRST 2004
- 2001-2003 Telethon Foundation, project GP0127Y01) “Estrogen activity in microglia as a potential pharmacological target for AD”

### Completed research Support as collaborator:

- 2010-2012 EC STREP “Estrogens and women aging” (EWA)
- 2008-2012 EC NoE “Diagnostic Molecular Imaging” (DIMI)
- 2010-2014 NIH, “Menopause: A Decreased Response to Increasing inflammatory Stimuli” (MADRI)
- 2005 FIRST University of Milan