

Multi-target action of a novel possible anti-Alzheimer compound: *in vivo* and *in vitro* studies

GUEST LECTURE by

Dr. Sarah Beggiato

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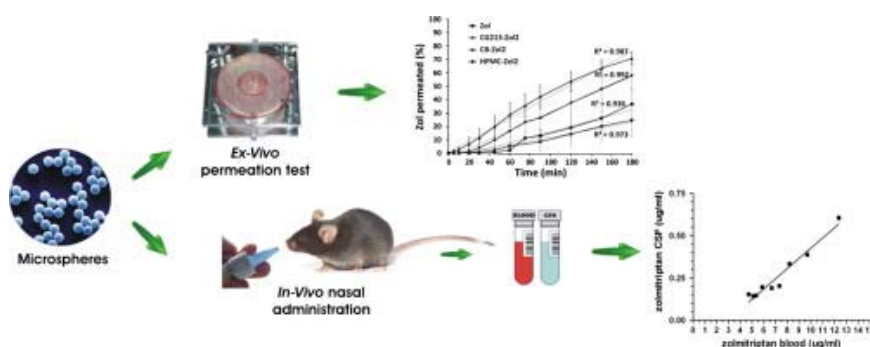
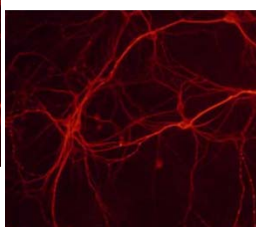
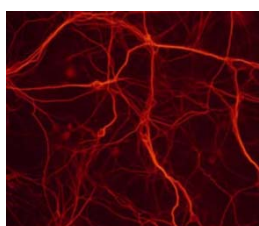
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Lecture Hall HS 26.K3

Institute of Pathophysiology and Immunology
(Heinrichstrasse 31a)

Dr. Sarah Beggiato graduated in Chemistry and Pharmaceutical Technology at the University of Ferrara in 2005. In 2009 she received her PhD in Neurophysiology at the University of Ferrara. From March 2009 she is "research fellow" at the Faculty of Pharmacy Department of Clinical and Experimental Medicine, University of Ferrara, in the scientific field research project BIO14 "PRIITT 2008." BioPharmaNet - Optimization of preclinical animal models for testing new molecules with particular reference to neurological diseases.

In laboratory, she was involved in neuronal differentiation of mouse stem cells (P19) using retinoic acid, to study new neuronal markers. Since 2009, she focuses on topics related to the field of Neuropharmacology that include both basic and applied research. The research is primarily aimed at deepening the knowledge of the interactions between neurotransmitter systems and neurotropic drugs involved in neurodegenerative processes.



Publications :

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6. Ferraro L, Frankowska M, Marcellino D, Zaniewska M, Beggiato S, Filip M, Tomasini MC, Antonelli T, Tanganelli S, Fuxe K. A novel mechanism of cocaine to enhance dopamine d2-like receptor mediated neurochemical and behavioral effects. An in vivo and in vitro study. *Neuropsychopharmacology.* 37(8):1856-66
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9. Dalpiaz A, Paganetto G, Pavan B, Fogagnolo M, Medici A, Beggiato S, Perrone D. Zidovudine and ursodeoxycholic acid conjugation: design of a new prodrug potentially able to bypass the active efflux transport systems of the central nervous system. *Mol Pharm.* 2012 9(4):957-68
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