

CURRICULUM VITÆ

Name: Jacopo

Surname: VIZIOLI

Date of Birth: 25-01-1964

Nationality: Italy

Education

- Ph.D. in Microbiology and Epidemiology - Rome 1 University, Italy (1997)
- Graduated in Biology Sciences (*Laurea cum laude*) - Rome 1 University, Italy (1993)
- Graduated in Natural Sciences (*Laurea cum laude*) - Rome 1 University, Italy (1987)

Current Situation

- Director of the Biology Department of Lille 1 University since 2016.
- Associate Professor (Maître de Conférences) since 2001 at the Lille 1 University (France).

Research Activity:

- Investigation on microglia recruitment and inflammation control mechanisms in leech (*H. medicinalis*) CNS.
- Characterization of microglia-released Extracellular Vesicles (EVs) and functional studies on nerve repair.
- Identification of inflammatory markers in leech nervous system and peripheral tissues.

25 publications

1 book chapter

22 proceedings

Member of the Editorial Board of the *Invertebrate Survival Journal* (ISJ).

Professional experience

Post-doctoral fellowship (1997-1999: funding Institute Pasteur-Cenci Bolognetti Foundation-Italy) and research member (1999-2001; CNRS contract) in insect immunity at the "Institut de Biologie Moléculaire et Cellulaire - IBMC" of Strasbourg, France (director Prof. Jules Hoffmann).

Pedagogic Animation

- Teacher in Animal Biology (Bachelor and Master degrees) at the Lille 1 University.
- Organization of two teaching units of the Bachelor in Life Sciences and Environment (LSE).
- Director of the bilingual formation (French-English) of the LSE.

- Production of eLearning tools for Animal Biology teaching: design and construction of didactical movies and multimedia textbooks on animal anatomy. (<http://pod.univ-lille1.fr/biologie-animale/video/2973-supports-multimedias-pour-les-travaux-pratiques-de-biologie-animale/>)

Awards

Prize for the best lecture at the 1st Pedagogic University Movies Festival (FFUP-Lyon 2012, France).

Responsibilities

Member of the Biology Department council.

Health & Safety laboratory correspondent.

Publications (2009-2016)

Vizioli J, Drago F and Lefebvre C. (2016) Neuroprotection and immunity in the medicinal leech *Hirudo medicinalis*: what about microglia? In : Ballarin L, Cammarata M. Lessons in Immunity: From Single-cell Organisms to Mammals, 1st Edition. Chapter 5. Elsevier ed.

Girardello R, Drago F, de Eguileor M, Valvassori R, **Vizioli J**, Tettamanti G, Grimaldi A. (2015) Cytokine Impregnated Biomatrix: A New Tool to Study Multi-Wall Carbon Nanotubes Effects on Invertebrate Immune Cells. *J Nanomed Nanotechnol* 6: 323. doi:[10.4172/2157-7439.1000323](https://doi.org/10.4172/2157-7439.1000323).

Schorn T, Drago F, de Eguileor M, Valvassori R, **Vizioli J**, Tettamanti G, Grimaldi A. (2015) The Allograft Inflammatory Factor-1 (AIF-1) homologous in *Hirudo medicinalis* (medicinal leech) is involved in immune response during wound healing and graft rejection processes. *ISJ* 12: 129-141.

Schorn T, Drago F, Tettamanti G, Valvassori R, de Eguileor M, **Vizioli J**, Grimaldi A. (2014) The homolog of Allograft inflammatory factor-1 induces macrophages migration during innate immune response in leech. *Cell & Tissue Research* (DOI 10.1007/s00441-014-2058-7).

Drago , Sautiere PE, Le Marrec-Croq F, Accorsi A, Van Camp C, Salzet M, Lefebvre C, **Vizioli J**. (2014) Microglia of Medicinal Leech (*Hirudo medicinalis*) Express a Specific Activation Marker Homologous to Vertebrate Ionized Calcium-Binding Adapter Molecule 1 (Iba1/alias Aif-1). *Dev Neurobiol.* 2014; 74(10):987-1001.

Le Marrec-Croq F, Bocquet-Garcon A, **Vizioli J**, Van Camp C, Drago F, Franck J, Wisztorski M, Salzet M, Sautiere PE, Lefebvre C. (2014) Calreticulin contributes to C1q-dependent recruitment of microglia in the leech *Hirudo medicinalis*. *Med Sci Monit*, 2014; 20: 644-653.

Drago F, Accorsi A, Sautiere PE, Croq F, Lefebvre C, Van Camp C, **Vizioli J** (2013). Characterization and modulation of *Hmlba1* as an activation marker for microglia in the invertebrate model, the leech *Hirudo medicinalis*. *Glia*, vol. 61, p. S167, ISSN: 0894-1491.

Arafah K, Croix D, **Vizioli J**, Desmons A, Fournier I, Salzet M. (2013) Involvement of Nitric oxide through endocannabinoids release in microglia activation during the course of CNS regeneration in the medicinal leech. *Glia* 61:636-649.

Fournier I, Franck J, Croq F, Cizkova D, Lefebvre C, **Vizioli J**, Sautiere PE, Salzet M (2013). Maldi imaging mass spectrometry: a novel technology for studying neurosciences. *Glia*, vol. 61, p. S195, issn: 0894-1491.

Lefebvre C, Bocquet-Garçon A, **Vizioli J**, Van Camp C, Sautiere PE, Drage F, Salzet M, Croq F (2013). Microglia activation in the leech *hirudo medicinalis*: hmc1q promotes the microglial accumulation through the distinct recognition of gc1qr and cc1qr receptors. *Glia*, vol. 61, p. S188, ISSN: 0894-1491.

Le Marrec-Croq F., Drago F., **Vizioli J.**, Sautiere P-E. & Lefebvre C. (2013). The leech nervous system: a valuable model to study the microglia involvement in regenerative processes. *Clinical and Developmental Immunology*, ISSN: 1740-2522, doi: 10.1155/2013/274019

Tahtouh M., Garçon-Bocquet A., Croq F., **Vizioli J.**, Sautiere P-E., Van Camp C., Salzet M., Nagnan-Le Meillour P., Pestel J., Lefebvre C. (2012) Interaction of HmC1q with leech microglial cells: involvement of C1qBP-related molecule in the induction of cell chemotaxis. *Journal of Neuroinflammation* 9:37

Grimaldi A., Banfi S., **Vizioli J.**, Tettamanti G., Noonan D. M., de Eguileor M. (2011) Cytokine Loaded Biopolymers as a Novel Strategy to Study Stem Cells during Wound Healing Processes. *Macromol. Biosci.* 11(8):1008-1019.

Croq F, Garçon-Bocquet A, **Vizioli J**, VanCamp C, Sautiere PE, Salzet M, Lefebvre C (2011). Microglia activation: studies on leeches to dissect out the basic mechanisms of neuroinflammation. *Glia*, vol. 59, p. S135, ISSN: 0894-1491.

Vizioli J., Accorsi A., Croq F., Garçon A., Van Camp C., Ziental N., Salzet M., Lefebvre C. and Sautière P-E. Neuroinflammation and microglia activation studies: a novel strategy using an invertebrate model, the medicinal leech. 10th European Meeting on Glial Cells in Health and Disease. Prague, 13-17 September 2011. *Glia* 59 S1 (oct 2011), S153.

Croq F., **Vizioli J.**, Tuzova M., Sautière P-E., Van Camp C., Salzet M., Cruishank WW., Pestel J., Lefebvre C. (2010) A homologous form of human interleukin 16 is implicated in microglia recruitment following nervous system injury in leech *Hirudo medicinalis*. *Glia* 58(14): 1649-1662.

Tahtouh M., Croq F., **Vizioli J**, Sautière P-E, Salzet M., Daha M.R., Pestel J., Lefebvre C. (2009) Evidence for a novel chemotactic C1q activity domain-containing factor in the leech nerve cord. *Mol. Immunol.* 46: 523-531