

## **CURRICULUM VITAE**

NAME: **Teresita Concepción INSAUSTI**

PROFESSIONAL ADDRESS: Institut de Recherche sur la Biologie de l'Insecte, UMR 6035  
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DATE OF BIRTH: 19 February 1958; PLACE OF BIRTH: Buenos Aires - Argentina

CITIZENSHIP: Argentine

SINGLE OR MARRIED: married (one child)

### **UNIVERSITY DEGREES**

- **1997** Honour PhD in Biological Sciences. Faculty of Exact and Natural Sciences,  
Department of Biology, University of Buenos Aires, Argentina.

**Doctoral Thesis:** "*The Ocellar System of Triatoma infestans (Heteroptera: Reduviidae)*".  
Supervisor: Claudio R. Lazzari.

- **1987** Honour Graduate in Biological Sciences (eq. Master degree, 6 years). Faculty of  
Exact and Natural Sciences, Department of Biology, University of Buenos Aires,  
Argentina.

**Degree Thesis:** "*The Anatomy of the Nervous System of Triatoma infestans (Heteroptera:  
Reduviidae)*". Supervisor: Carmen de la Serna.

### **PROFESSIONAL HISTORY CHART**

- **1980-1987** Undergraduate Research and Teaching Assistant at the Department of  
Biological Science, School of Exact and Natural Sciences, University of Buenos  
Aires. Subject: *Biology of Invertebrates* (Arthropoda).

- **1988-1990** Research Assistant at the Institute of Biological Cybernetics, University of  
Tübingen (Germany). Project: *Neurobiology of Triatominae bugs*. Director: Prof. D.  
Varjú.

- **1991-2003** Research and Teaching Assistant (eq. *Maître de Conférences* or *Assistant Professor*) at the Department of Biological Science, School of Exact and Natural Sciences, University of Buenos Aires. Undergraduate courses: *Invertebrate Biology (Arthropoda)*, *Insect Physiology* and *Comparative Animal Physiology*. Post-graduate courses: *Insect Functional Morphology* and *Insects structure and function*
- **1999** Review of the chapter on Arthropoda of the book "*Biología*" by H. Curtis & Barnes (6th edition in Spanish). Panamericana Ed.
- **2005 – present**: postdoctoral fellowship (eq. *Ingénieur de recherché*) from the European Community (Customized Intelligent Life Inspired Arrays, CILIA project, FP6-IST-016039) at the University François Rabelais, Tours, France. Subjects: (1) "*The cercal escape system of the wood cricket Nemobius sylvestris: neuroanatomy and physiology*". (2) "*Morphological bases of the change of color in the crab-spider Misumena vatia*":

## LANGUAGES

- Spanish (mother tongue)
- English
- French

## AREAS OF SPECIALIZATION

- Insect Neuroanatomy
- Functional Morphology
- Histology (light and electron microscopy techniques)
- Electrophysiological techniques

## TEACHING EXPERIENCE

**Supervision of Degree Thesis:** 3 already approved with honours at the University of Buenos Aires

- **1977** "Functional Morphology of the distal portion of the legs of *Triatoma infestans*", by V. Campanucci.
- **2003** "Control of the spectral adaptation in the compound eye of *Triatoma infestans*", by C. Zacharias.

- **2003** "Chronological bases of the adaptation to light in the insect ocelli", by D. Fishbein.

## **PRESENTATIONS IN SCIENTIFIC MEETINGS: 25**

## **PUBLICATIONS**

2008 **Insausti, T. C.** and Casas, J. The functional morphology of color changing in a spider: development of ommochrome pigment granules. *J. Exp. Biol.* 211: 780-789.

2008 Lazzari, C.R. and **Insausti, T.C.** Circadian rhythms in insects, In: M.L. Fajul-Moles & R. Aguilar-Roblero (eds.) *Comparative aspects of circadian rhythms*. Research Signpost (ISBN 978-81-7895-329-8), *in press*

2007 **Insausti, T.C.**, Lazzari, C.R. and Casas, J. A neuroanatomical guide of the cercal escape system of the wood cricket. *Comp. Biochem. Physiol., Part A* 148: S33

2002 **Insausti, T.C.** and Lazzari, C.R. The fine structure of the ocelli of *Triatoma infestans* (Hemiptera: Reduviidae) *Tissue & Cell* 34(6): 437-449.

2002 Reisenman, C.E., **Insausti, T.C.** and Lazzari, C.R. Light-induced and circadian changes in the compound eye of the haematophagous bug *Triatoma infestans* (Hemiptera: Reduviidae) *J. Exp. Biol.* 25(2): 201-210.

2000 **Insausti, T.C.** and Lazzari, C.R. The central projection of cephalic mechanosensory axons in the haematophagous bug *Triatoma infestans*. *Mem. Inst. O. Cruz.* 95: 381-388.

2000 **Insausti, T.C.** and Lazzari, C.R. The postembryonic development of the ocellar system of *Triatoma infestans* Klug (Heteroptera: Reduviidae). *Mem. Inst. O. Cruz.* 95 (6):877-881.

2000 **Insausti, T.C.** and Lazzari, C.R. An ocellar "pupil" that do not change with light intensity but with the insect age in *Triatoma infestans*. *Mem. Inst. O. Cruz.* 95(5): 743-746.

1999 **Insausti, T.C.**; Lazzari, C.R. and Campanucci, V.A. Neurobiology of Behaviour. A: Morphology of the nervous system and sense organs. En: Carcavallo et al. (eds.). *Atlas of Chagas' disease vectors in America*, vol. III, pp. 1017-1051, Editora Fiocruz, Rio de Janeiro.

- 1998 Lazzari, C.R.; Reisenman, C.E. and **Insausti, T.C.** The role of the ocelli in the phototactic response of *Triatoma infestans* (Heteroptera: Reduviidae). *J. Insect Physiol.* 44(12): 1159-1162.
- 1998 Reisenman, C.E.; Lazzari, C.R.; **Insausti, T.C.** and Giurfa, M. Attributes of the visual system of *Triatoma infestans* (Heteroptera) as revealed by the phototactic response. En: Wehner & Elsner (eds.) *New Neuroethology on the Move*. Georg-Thiem-Verlag, Stuttgart-New York. p. 394.
- 1996 **Insausti, T.C.** and Lazzari, C.R. Central projections of first-order ocellar interneurons in *Triatoma infestans* (Heteroptera, Reduviidae). *J. Morphol.* 229(2): 161-169.
- 1996 Núñez, J.A.; **Insausti, T.C.** and Lazzari, C.R. Rearing of *Triatoma infestans* Klug (Het., Reduviidae) in the absence of a live host. II. Egg yolk as a diet supplement. *J. Applied Entomol.* 120: 541-547.
- 1994 **Insausti T. C.** Nervous system of *Triatoma infestans*. *J. Morphol.* 221(3): 343-359