

RESUME CAROLINA E. REISENMAN

UNIVERSITY DEGREES:

- Honour PhD in Biological Sciences (7/2000). School of Exact and Natural Sciences, University of Buenos Aires, Argentina. "Physiology of the visual system of the haematophagous bug *Triatoma infestans*: a behavioural approach".
- Honour Graduate in Biological Sciences (12/1995) (Licenciatura, 6 years). School of Exact and Natural Sciences, University of Buenos Aires, Argentina. Major in Animal Physiology.

RESEARCH EXPERIENCE:

- Since 8/2001: Research Associate, Division of Neurobiology, University of Arizona. "Mechanisms of olfactory information processing in the insect brain". Advisor: John Hildebrand.
- 11/2000-7/2001: Postdoctoral Researcher, University of California, Berkeley. "Dynamics of motion detection in blowflies". Advisor: Alexander Borst.
- 7/96-7/2000: Doctoral thesis work, University of Buenos Aires, Argentina. "Visual Physiology of Insects Vectors of Chagas Disease". Supervised by Claudio R. Lazzari.
- 7/15/98- 7/15/98: Visiting Researcher, Institut für Neurobiologie, Freie Universität Berlin, Berlin, Germany. "Color vision in the honeybee *Apis mellifera*". Supervisor: Martín R. Giurfa.
- 4/95-4/96: Undergraduate Student Assistant, National Institute of Chagas Disease "Dr. Mario Fátala Chabén", Argentina. "Selection of strains of *Triatoma infestans* of high and low susceptibility to the infection by *Trypanosoma cruzi*". Supervisor: Oscar D. Salomón.
- 2/2/94-3/8/94: Undergraduate Summer work, Argentine Centre of Primates, Province of Corrientes, Argentina. "Habitat structure and population characteristics of the black howler monkey (*Alouatta caraya*) in northern Argentina". Supervisor: Gabriel Zunino.
- 8/92-1/94. Undergraduate Student Assistant, Laboratory of Steroids, School of Exact and Natural Sciences, University of Buenos Aires. "Characterisation of the enzymes involved in the last steps of aldosterona biosynthesis". Supervisor: Carlos P. Lantos

FELLOWSHIPS AND HONORS:

- Latin American PEW Fellowship in the Biomedical Sciences. 8/1/2001-8/1/2004.
- Best Doctoral Thesis in Entomology (section Ecology and Biology) accomplished in an Argentinean University in 1998-2000 (Prize awarded by the Argentinean Society of Entomology).
- Fellowship for Doctoral Research (University of Buenos Aires). 3/1/97-11/1/2000.
- Fellowship awarded by the DAAD for accomplishing research in Germany. 7/15/98- 10/15/98.
- Postgraduate Fellowship (Fundación OSDIC, Argentina). 1997-1998.
- Undergraduate Research Fellowship for Outstanding Students in Sciences and Social Studies. (Fundación Antorchas, Argentina). 4/95-4/96.

PUBLICATIONS:

- **Reisenman CE**, Lazzari CR (2006). Spectral sensitivity of the photonegative reaction of the blood-sucking bug *Triatoma infestans* (Heteroptera: Reduviidae). Journal of Comparative Physiology A 192: 39-44.
- **Reisenman CE**, Christensen TA, Hildebrand JG (2005). Chemosensory selectivity of output neurons innervating an identified, sexually isomorphic glomerulus. The Journal of Neuroscience 25: 8017-8026.
- **Reisenman CE**, Christensen TA, Francke W, Hildebrand JG (2004). Enantioselectivity of projection neurons innervating identified olfactory glomeruli. The Journal of Neuroscience 24: 2602-2611.
- **Reisenman CE**, Haag J, Borst (2003). Adaptation of response transients in fly motion vision. I. Experiments. Vision Research 43: 1291-1307.
- Borst A, **Reisenman CE**, Haag J (2003). Adaptation of response transients in fly motion vision. II. Model studies. Vision Research 43: 1309-1322.
- Giurfa M, Schubert M, **Reisenman CE**, Gerber B, Lachnit H (2003). The effect of cumulative experience on the use of elemental and configural visual discrimination strategies in honeybees. Behavioural Brain Research 145: 161-169.
- **Reisenman CE**, Insausti TC, Lazzari CR (2002). Light-induced and circadian changes in the compound eye of the haematophagous bug *Triatoma infestans* (Hemiptera: Reduviidae). The Journal of Experimental Biology 205: 201-210.
- **Reisenman CE**, Lorenzo Figueiras AN, Giurfa M, Lazzari CR (2000). Interaction between visual and olfactory cues in the assembling behaviour of the haematophagous bug, *Triatoma infestans*. Journal of Comparative Physiology A 186: 961-968.
- Lorenzo MG, Flores GB, Lazzari CR, **Reisenman CE** (1999). Chapter 24: Sensory Ecology; Orientation. In: Atlas of Chagas Disease vectors in America, Volume 3, pp: 1071-1087 (Ed. by: RU Carcavallo, I. Galindez Girón, J. Jurberg, H. Lent). Editora Fiocruz - Rio de Janeiro.
- **Reisenman CE**, Lazzari CR, Giurfa M (1998). Circadian control of photonegative sensitivity in the haematophagous bug, *Triatoma infestans*. Journal of Comparative Physiology A 183: 533-541.
- Lazzari CR, **Reisenman CE**, Insausti TC (1998). The role of the ocelli in the phototactic behaviour of the haematophagous bug *Triatoma infestans*. Journal of Insect Physiology 44 (12): 1159-1162.
- Lorenzo MG, **Reisenman CE**, Lazzari CR (1998). *Triatoma infestans* can be captured under natural climatic conditions using yeast-baited traps. Acta Tropica 70 (3): 277-284.
- Zunino GE, Bravo SP, Ferreira FM, **Reisenman CE** (1996). Characteristics of two types of habitat and the status of the howler monkey (*Alouatta caraya*) in northern Argentina. Neotropical Primates 4 (2): 48-50.

PUBLISHED ABSTRACTS: 17

PRESENTATIONS IN SCIENTIFIC MEETINGS AND CONFERENCES: 23

TEACHING ACTIVITIES:

- Postgraduate Teaching assistant for the Department of Biological Science, School of Exact and Natural Sciences, University of Buenos Aires. Subject: Insect Physiology; 1996, 1997, 1999.
- Postgraduate Teaching assistant in the course Functional Morphology of Insects, held at the Department of Biological Science, School of Exact and Natural Sciences, University of Buenos Aires, 1997.

OTHERS ACTIVITIES:

- Reviewer for Journal of Comparative Physiology A, Pan-Pacific Entomologist, Zoological Studies, Public Library of Science.