

Carlos M. Villalón

Subjects: Pharmacology & Pharmacy

Contributor: Carlos M. Villalón

Keywords: Curriculum Prof Villalon

Basic Information



Name: Carlos M. Villalón
(Nov 1959–)

Birth Location: Mexico City, Mexico

Title: Scientist (Full Professor)

Affiliation: Department of Pharmacobiology, Cinvestav-IPN (South Campus), 14330 Mexico City, Mexico

Honor: Professor Emeritus

1. Brief Introduction

Carlos M. Villalón was born in Mexico City on November 2, 1959. He completed his studies in Chemistry & Pharmacy (Pharmacist) in 1983 at the National School of Biological Sciences (IPN), and his postgraduate studies at the Department of Pharmacology and Toxicology of Cinvestav (M.Sc. in 1986 and Ph.D. in 1988). Between 1988 and 1991 he did a postdoctoral stay at the Erasmus Universiteit Rotterdam in the Netherlands. In 1991, he joined the Cinvestav Department of Pharmacology and Toxicology as a Senior Researcher.

2. Story about Notable Contributions and Implications for Sciences

His lines of research basically deal with: (1) The pharmacological identification/characterization of receptors for biogenic monoamines (including serotonin, catecholamines and histamine), calcitonin gene-related peptide (CGRP) and cannabinoids, as well as their role in cardiovascular regulation in several species of mammals; and (2) Research on the mechanisms of action of antimigraine agents and their cardiovascular side effects. These lines of research, as a whole, have generated (until 2022) more than 225 indexed (JCR) papers. According to Scopus citation analysis (until December 2022), these papers have generated 5,450 citations, classified as: 3,500 type A citations, H index: 32. Additionally, he has supervised 25 M.Sc. theses and 16 Ph.D. theses.

He has numerous national and international distinctions/awards. To mention just a few: Member of the National System of Investigators (S.N.I.) since 1992, with Emeritus level since January 2022 (File 13369). Member of the Ruling/Promotion Commission of the S.N.I. (2000-2002) and the Review Commission of the S.N.I. (2013) in Area III (Medicine and Health Sciences). Member of the Cinvestav-IPN Ruling/Promotion Commission since 1995. Research Award 1998 in Natural Sciences, awarded by the MEXICAN ACADEMY OF SCIENCES. Invited as a member of the editorial committee of 5 indexed (JCR) journals located in Q1 of the JCR. Chief Organizer of two international congresses. Trainer of active and independent researchers, who in turn have graduated their own postgraduate students. In 2009 he was promoted to the highest Cinvestav Researcher Category (3F) and in 2022 to Cinvestav Emeritus Researcher category. Currently, Cinvestav-IPN has a total of 615 researchers throughout the country and, of these, only 33 researchers hold the 3F category and 21 the Cinvestav Emeritus Researcher category.

3. A Full List of Principal Publications/ Works in JCR Journals, Chapters Published in International Books by Prestigious Publishers, etc.

3.1. Principal Publications/ Works in JCR Journals

- Mourelle, M., **Villalón, C.** & Amezcua, J.L. Protective effect of colchicine on acute liver damage induced by carbon tetrachloride. *Hepatology*, **6**, 337-342, 1988. (2016 JCR Impact Factor: 11.336).
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- Bom, A., **Villalón, C.M.**, Verdouw, P. & Saxena, P.R., The 5-HT₁-like receptor mediating reduction of porcine carotid arteriovenous shunting by RU 24969 is unrelated to either 5-HT_{1A} or 5-HT_{1B} *Eur. J. Pharmacol.*, **171**, 87-96, 1989. (2016 JCR Impact Factor: 2.896).
- **Villalón, C.M.**, Den Boer, M.O., Heiligers, J.P.C. & Saxena, P.R. Mediation of 5-hydroxytryptamine-induced tachycardia in the pig by the putative 5-HT₄ *Brit. J. Pharmacol.*, **100**, 665-667, 1990. (2016 JCR Impact Factor: 5.491).
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- Saxena, P.R. & **Villalón, C.M.** Brain 5-HT_{1A} receptor agonism: A novel mechanism for antihypertensive action. *Trends Pharmacol. Sci.*, **11**, 95-96, 1990. (2016 JCR Impact Factor: 12.797).
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