



**Sistema Integral de Información Académica**  
**Dirección General de Evaluación Institucional**  
**Reporte de Producción Académica**



**RAFAEL VILLALOBOS MOLINA**

## Datos Generales

**Nombre:** RAFAEL VILLALOBOS MOLINA

**Máximo nivel de estudios:** POSDOCTORADO

**Antigüedad académica en la UNAM:** 29 años

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## Nombramientos

**Vigente:** PROFESOR DE CARRERA TITULAR C TC Definitivo  
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Desde 01-10-2019

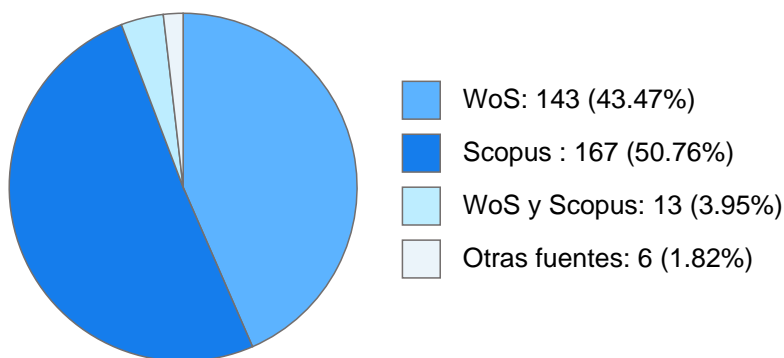
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## Estímulos, programas, premios y reconocimientos

SNI Emérito 2023  
SNI III - 2022  
PRIDE D - 2022  
PASPA Estancias Sabáticas 2013 - 2014

## DOCUMENTOS EN REVISTAS

### Histórico de Documentos



#	Título	Autores	Revista	Año
1	Transcriptional Modifications in <i>Drosophila Melanogaster</i> Brain due to a Diet Enriched with Palmitic Acid and Fructose	JUAN ALBERTO PONCIANO GOMEZ SANTIAGO CRISTOBAL SIGRIST FLORES JOSE RAFAEL JIMENEZ FLORES et al.	ANNALS OF NUTRITION AND METABOLISM	2023
2	Serum Cytokines Modification and Their Relationship with Metabolic Syndrome Parameters	JUAN ALBERTO PONCIANO GOMEZ MYRIAM CAMPOS AGUILAR JOSE RAFAEL JIMENEZ FLORES et al.	ANNALS OF NUTRITION AND METABOLISM	2023
3	Insulin Sensitization by PPAR $\gamma$ and GLUT-4 Overexpression/Translocation Mediates the Antidiabetic Effect of <i>Plantago australis</i> ?	SAMUEL ENOCH ESTRADA SOTO JUAN GABRIEL NAVARRETE VAZQUEZ RAFAEL VILLALOBOS MOLINA et al.	Pharmaceutica Is	2023
4	Calcium Channel Blockade Mediates the Tracheal Relaxation of 6,7-Dimethoxycoumarin Isolated from <i>Magnolia mexicana</i>	RAFAEL VILLALOBOS MOLINA Sánchez-Recillas A. Estrada-Soto S. et al.	REVISTA BRASILEIRA DE FARMACOGNOS IA-BRAZILIAN JOURNAL OF PHARMACOGNO SY	2023



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5	Ex Vivo and In Silico Approaches of Tracheal Relaxation through Calcium Channel Blockade of 6-Aminoflavone and Its Toxicological Studies in Murine Models	Cesar Millan Pacheco BLANCA MARGARITA BAZAN PERKINS ROGELIO HERNANDEZ PANDO et al.	Biomedicines	2023
6	Vasorelaxant and Antihypertensive Effects of (3 & beta;)-ursen-12-en-3,28-diol by NO/cGMP System	RAFAEL VILLALOBOS MOLINA Ricardo Guzman-Avila Samuel Estrada-Soto et al.	LETTERS IN DRUG DESIGN & DISCOVERY	2023
7	LC-MS Fingerprinting Development for Standardized Precipitate from Agastache mexicana, Which Induces Antihypertensive Effect through NO Production and Calcium Channel Blockade	SAMUEL ENOCH ESTRADA SOTO JUAN GABRIEL NAVARRETE VAZQUEZ RAFAEL VILLALOBOS MOLINA et al.	Pharmaceutics	2023
8	Synthesis, in silico, and evaluation of AChE inhibitory activity of N-phthaloylphenylglycine derivatives as potential anti-Alzheimer's agents	DAVID ATAHUALPA CONTRERAS CRUZ FERNANDO RIVERA SANCHEZ JULIO ESPINOSA RODRIGUEZ et al.	MEDICINAL CHEMISTRY RESEARCH	2023
9	Calcium Channel Blockade Mediates the Vasorelaxant Activity of Dichloromethane Extract from Roots of Oncidium cebolleta on Isolated Rat Aorta	RAFAEL VILLALOBOS MOLINA Gabriela Perez-Barron Samuel Estrada-Soto et al.	Biointerface Research In Applied Chemistry	2023
10	Enhancing the antidiabetic and antidyslipidemic activity of a 1,5-diarylpyrazole by solid dispersion pre-formulation	EDUARDO HERNANDEZ VAZQUEZ RAFAEL VILLALOBOS MOLINA FRANCISCO HERNANDEZ LUIS et al.	CHEMICAL PAPERS	2022
11	High baseline expression of IL-6 and IL-10 decreased CCR7 B cells in individuals with previous SARS-CoV-2 infection during BNT162b2 vaccination	JUAN ALBERTO PONCIANO GOMEZ MYRIAM CAMPOS AGUILAR SANTIAGO CRISTOBAL SIGRIST FLORES et al.	FRONTIERS IN IMMUNOLOGY	2022
12	6-Amino-3-Methyl-4-(2-nitrophenyl)-1,4-Dihydropyrano[2,3-c]Pyrazole-5-Carbonitrile Shows Antihypertensive and Vasorelaxant Action via Calcium Channel Blockade	RAFAEL VILLALOBOS MOLINA Cesar Millan Pacheco Samuel Estrada-Soto et al.	Drug Research	2022
13	PPAR $\alpha$ /c, adiponectin, and GLUT4 overexpression induced by moronic acid methyl ester influenced glucose and triglyceride levels of experimental diabetic mice	RAFAEL VILLALOBOS MOLINA Estrada-Soto S. Cerón-Romero L. et al.	CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOG Y	2022



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14	Isoindolone derivatives as novel potential anti-Alzheimer's candidates: synthesis, in silico, and AChE inhibitory activity evaluation	FERNANDO RIVERA SANCHEZ JESSICA EDITH RODRIGUEZ RODRIGUEZ RAFAEL VILLALOBOS MOLINA et al.	MEDICINAL CHEMISTRY RESEARCH	2022
15	Angiotensin II Inhibits Insulin Receptor Signaling in Adipose Cells	RAFAEL VILLALOBOS MOLINA Citlaly Gutierrez-Rodelo Araceli Arellano-Plancarte et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022
16	Antinociceptive and gastroprotective activities of Bocconia arborea S. Watson and its bioactive metabolite dihydrosanguinarine in murine models	MARIA EVA GONZALEZ TRUJANO ALBERTO HERNANDEZ LEON RAFAEL VILLALOBOS MOLINA et al.	JOURNAL OF ETHNOPHARMACOLOGY	2022
17	Antihypertensive and vasorelaxant mode of action of the ethanol-soluble extract from Tagetes lucida Cav. aerial parts and its main bioactive metabolites	SAMUEL ENOCH ESTRADA SOTO RAFAEL VILLALOBOS MOLINA Ma. Eva Gonzalez-Trujano et al.	JOURNAL OF ETHNOPHARMACOLOGY	2021
18	Phthalamide derivatives as ACE/AChE/BuChE inhibitors against cardiac hypertrophy: an in silico, in vitro, and in vivo modeling approach	JESSICA EDITH RODRIGUEZ RODRIGUEZ ITZELL ALEJANDRINA GALLARDO ORTIZ RAFAEL VILLALOBOS MOLINA et al.	MEDICINAL CHEMISTRY RESEARCH	2021
19	Antihypertensive and vasorelaxant effect of leucodin and achillin isolated from Achillea millefolium through calcium channel blockade and NO production: In vivo, functional ex vivo and in silico studies	Cesar Millan Pacheco JUAN GABRIEL NAVARRETE VAZQUEZ RAFAEL VILLALOBOS MOLINA et al.	JOURNAL OF ETHNOPHARMACOLOGY	2021
20	Variation in resistance to oxidative stress in Oregon-(R)R-flare and Canton-S strains of Drosophila melanogaster	ITZELL ALEJANDRINA GALLARDO ORTIZ RAFAEL VILLALOBOS MOLINA ELIAS PIEDRA IBARRA et al.	TOXICOLOGY RESEARCH	2021
21	Participation of angiotensin-(1-7) in exercise-induced analgesia in rats with neuropathic pain	OMAR ECHEVERRIA RODRIGUEZ ITZELL ALEJANDRINA GALLARDO ORTIZ RAFAEL VILLALOBOS MOLINA et al.	Peptides	2021
22	Antidiabetic effect of Cordia morelosana, chemical and pharmacological studies	RAFAEL VILLALOBOS MOLINA Giles-Rivas D. Estrada-Soto S. et al.	JOURNAL OF ETHNOPHARMACOLOGY	2020
23	M2 macrophage immunotherapy abolishes glucose intolerance by increasing IL-10 expression and AKT activation	RAFAEL VILLALOBOS MOLINA SONIA ANDREA LEON CABRERA PEDRO ULISES GUADALUPE OSTOA SALOMA et al.	IMMUNOTHERAPY	2020



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24	Tracheal relaxation through calcium channel blockade of Achillea millefolium hexanic extract and its main bioactive compounds	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS Arias-Durán L. et al.	JOURNAL OF ETHNOPHARMACOLOGY	2020
25	Novel CBI receptor antagonist BAR-1 modifies pancreatic islet function and clinical parameters in prediabetic and diabetic mice	MARTHA MARIA DE LOURDES FREGOSO PADILLA MARCO AURELIO RODRIGUEZ MONROY ANA VICTORIA VEGA SALCEDO et al.	NUTRITION & DIABETES	2020
26	Angiotensin-(1-7) Participates in Enhanced Skeletal Muscle Insulin Sensitivity After a Bout of Exercise	OMAR ECHEVERRIA RODRIGUEZ ITZELL ALEJANDRINA GALLARDO ORTIZ RAFAEL VILLALOBOS MOLINA et al.	Journal Of The Endocrine Society	2020
27	Potential role of angiotensin-(1-7) in the improvement of vascular insulin sensitivity after a bout of exercise	ITZELL ALEJANDRINA GALLARDO ORTIZ RAFAEL VILLALOBOS MOLINA OMAR ECHEVERRIA RODRIGUEZ	EXPERIMENTAL PHYSIOLOGY	2020
28	Uric Acid Has Direct Proinflammatory Effects on Human Macrophages by Increasing Proinflammatory Mediators and Bacterial Phagocytosis Probably via URAT1	RAFAEL VILLALOBOS MOLINA YOLANDA LOPEZ VIDAL Martínez-Reyes C.P. et al.	Biomolecules	2020
29	Aquaporin 8 is involved in H2O2-mediated differential regulation of metabolic signaling by alpha(1)- and beta-adrenoceptors in hepatocytes	MARIA MAGDALENA VILCHIS LANDEROS RAQUEL GUINZBERG PERRUSQUIA HECTOR RIVEROS ROSAS et al.	FEBS LETTERS	2020
30	CARDIOMETABOLIC RISK FACTORS ASSOCIATED WITH RENAL FUNCTION IN APPARENTLY HEALTHY YOUNG STUDENTS: A CROSS-SECTIONAL STUDY	RAFAEL VALDEZ ORTIZ MIGUEL MURGUIA ROMERO JOSE RAFAEL JIMENEZ FLORES et al.	REVISTA DE INVESTIGACION CLINICA-CLINICAL AND TRANSLATIONAL INVESTIGATION	2020
31	The alpha(1D)-adrenoreceptor antagonist BMY 7378 reverses cardiac hypertrophy in spontaneously hypertensive rats	JESSICA EDITH RODRIGUEZ RODRIGUEZ ALBERTO DANIEL SAUCEDO CAMPOS JOSE RAFAEL JIMENEZ FLORES et al.	JOURNAL OF HYPERTENSION	2020
32	Ovariectomized rodents as a menopausal metabolic syndrome model. A minireview	RAFAEL VILLALOBOS MOLINA ANGEL ALFONSO ZARAIN HERZBERG Medina-Contreras J. et al.	MOLECULAR AND CELLULAR BIOCHEMISTRY	2020
33	Chronic intake of moderate fat-enriched diet induces fatty liver and low-grade inflammation without obesity in rabbits	SANTIAGO CRISTOBAL SIGRIST FLORES JUAN ALBERTO PONCIANO GOMEZ ALEXANDER PEDROZA GONZALEZ et al.	CHEMICO-BIOLOGICAL INTERACTIONS	2019



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34	Analysis of Flavonoids Bioactivity for Cholestatic Liver Disease: Systematic Literature Search and Experimental Approaches	JAIME HECTOR GOMEZ ZAMUDIO RAFAEL VILLALOBOS MOLINA Sánchez-Salgado J.C. et al.	Biomolecules	2019
35	Novel phthalamide derivatives as antihypertensive agents: rapid and clean synthesis, in silico and in vivo evaluation	ITZELL ALEJANDRINA GALLARDO ORTIZ RAFAEL VILLALOBOS MOLINA Andrade-Jorge E. et al.	MEDICINAL CHEMISTRY RESEARCH	2019
36	Functional relaxant effect of 6,7-dipropoxy-2H-chromen-2-one is mainly by calcium channel blockade in ex vivo assay of tracheal rings	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS ITZELL ALEJANDRINA GALLARDO ORTIZ et al.	MEDICINAL CHEMISTRY RESEARCH	2019
37	Functional mechanism of tracheal relaxation, antiasthmatic, and toxicological studies of 6-hydroxyflavone	BLANCA MARGARITA BAZAN PERKINS RAFAEL VILLALOBOS MOLINA LETICIA MORENO FIERROS et al.	DRUG DEVELOPMENT RESEARCH	2019
38	Benzofenantridinas aisladas de Bocconia arborea con actividad relajante de la musculatura lisa	RAFAEL VILLALOBOS MOLINA Gaona-Tovar E. Estrada-Soto S. et al.	Revista Latinoamericana De Química	2019
39	Systematic validation of a questionnaire to identify school bullying	MIGUEL MURGUIA ROMERO RAFAEL VILLALOBOS MOLINA Ramos-Jiménez A. et al.	SALUD PUBLICA DE MEXICO	2018
40	Plethysmographic and anthropometric validation of a 3D body image digitizer to determine body dimensions	RAFAEL VILLALOBOS MOLINA Ramos-Jiménez A. Hernández-Torres R.P. et al.	INTERNATIONAL JOURNAL OF INDUSTRIAL ERGONOMICS	2018
41	Clinical Significance of Serum Uric Acid Levels in Mexican Young Adults	MIGUEL MURGUIA ROMERO JOSE RAFAEL JIMENEZ FLORES RAFAEL VILLALOBOS MOLINA et al.	Contributions to Nephrology	2018
42	Antidiabetic effect of Achillea millefolium through multitarget interactions: $\alpha$ -glucosidases inhibition, insulin sensitization and insulin secretagogue activities	RAFAEL VILLALOBOS MOLINA SAMUEL ENOCH ESTRADA SOTO Fabiola Chavez-Silva et al.	JOURNAL OF ETHNOPHARMA COLOGY	2018
43	Chrysin induces antidiabetic, antidyslipidemic and anti-inflammatory effects in athymic nude diabetic mice	JESUS JONATHAN RAMIREZ ESPINOSA RAFAEL VILLALOBOS MOLINA Salda $\alpha$ -Ríos J. et al.	Molecules	2018
44	Relaxant effect of structurally related flavonoids on isolated tracheal rat rings: a SAR study	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS BLANCA MARGARITA BAZAN PERKINS et al.	MEDICINAL CHEMISTRY RESEARCH	2018
45	Ursolic acid derivatives as potential antidiabetic agents: In vitro, in vivo, and in silico studies	RAFAEL VILLALOBOS MOLINA Guzmán-Ávila R. Flores-Morales V. et al.	DRUG DEVELOPMENT RESEARCH	2018





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46	Systematic validation of a self-administered questionnaire to assess bullying: From elementary school to high school and by sex	MIGUEL MURGUIA ROMERO RAFAEL VILLALOBOS MOLINA Ramos-Jiménez A. et al.	REVISTA ELECTRONICA DE INVESTIGACION EDUCATIVA	2018
47	An internet system to self-monitoring and assess feeding in young Mexicans	MIGUEL MURGUIA ROMERO ITZELL ALEJANDRINA GALLARDO ORTIZ JOSE RAFAEL JIMENEZ FLORES et al.	Lecture Notes of the Institute for Computer Sciences Social Informatics and Telecommunications Engineering	2017
48	Abdominal obesity is strongly associated to blood pressure in young Mexicans	MIGUEL MURGUIA ROMERO ITZELL ALEJANDRINA GALLARDO ORTIZ DIANA CECILIA TAPIA PANCARDO et al.	NUTRICION HOSPITALARIA	2017
49	Antidiabetic, antidyslipidemic and toxicity profile of ENV-2: A potent pyrazole derivative against diabetes and related diseases	EDUARDO HERNANDEZ VAZQUEZ JAIME HECTOR GOMEZ ZAMUDIO RAFAEL VILLALOBOS MOLINA et al.	EUROPEAN JOURNAL OF PHARMACOLOGY	2017
50	Prevalence of bullying by gender and education in a city with high violence and migration in Mexico	MIGUEL MURGUIA ROMERO RAFAEL VILLALOBOS MOLINA Ramos-Jimenez, Arnulfo et al.	REVISTA PANAMERICANA DE SALUD PUBLICA-PAN AMERICAN JOURNAL OF PUBLIC HEALTH	2017
51	Body Image Satisfaction as a Physical Activity Indicator in University Students	RAFAEL VILLALOBOS MOLINA Ramos-Jimenez, Arnulfo Hernandez-Torres, Rosa P. et al.	AMERICAN JOURNAL OF HEALTH BEHAVIOR	2017
52	Body shape as body image determinant in university students	RAFAEL VILLALOBOS MOLINA Ramos Jimenez, Arnulfo Hernandez Torres, Rosa R. et al.	NUTRICION HOSPITALARIA	2017
53	ExActa ExActa: does exercise increase insulin sensitivity through angiotensin 1-7?	OMAR ECHEVERRIA RODRIGUEZ ITZELL ALEJANDRINA GALLARDO ORTIZ RAFAEL VILLALOBOS MOLINA	ACTA PHYSIOLOGICA	2016
54	Cardiometabolic risk in young adults from northern Mexico: Revisiting body mass index and waist-circumference as predictors	RAFAEL VILLALOBOS MOLINA DIANA CECILIA TAPIA PANCARDO JOSE RAFAEL JIMENEZ FLORES et al.	Bmc Public Health	2016



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55	Role of $\alpha 1D$ -adrenoceptors in vascular wall hypertrophy during angiotensin II-induced hypertension	ITZELL ALEJANDRINA GALLARDO ORTIZ JUAN JAVIER LOPEZ GUERRERO RAFAEL VILLALOBOS MOLINA et al.	Autonomic and Autacoid Pharmacology	2016
56	Design, synthesis and ex vivo study of the vasorelaxant activity induced by isosteric derivatives of dihydropyridines (NH-O)	SAMUEL ENOCH ESTRADA SOTO RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS et al.	LETTERS IN DRUG DESIGN & DISCOVERY	2016
57	Anxiolytic-like effects and toxicological studies of <i>Brickellia cavanillesii</i> (Cass.) A. Gray in experimental mice models	RAFAEL VILLALOBOS MOLINA Avila-Villarreal, Gabriela Eva Gonzalez-Trujano, Maria et al.	JOURNAL OF ETHNOPHARMA COLOGY	2016
58	Fasting Triglycerides and Glucose Index as a Diagnostic Test for Insulin Resistance in Young Adults	RAFAEL VILLALOBOS MOLINA JOSE RAFAEL JIMENEZ FLORES ADOLFO RENE MENDEZ CRUZ et al.	Archives Of Medical Research	2016
59	Mechanism of relaxant action of ethyl 6-amino-5-cyano-2-methyl-4-(pyridin-4-yl)-4H-pyran-3-carboxylate mainly through calcium channel blockade in isolated rat trachea	RAFAEL VILLALOBOS MOLINA SAMUEL ENOCH ESTRADA SOTO Alemán-Pantitlán, S. et al.	Journal of Applied Pharmaceutica l Science	2016
60	Early co-expression of cyclooxygenase-2 and renin in the rat kidney cortex contributes to the development of NG-nitro-l-argininemethyl ester induced hypertension	ELIZABETH ALEJANDRINA GUZMAN HERNANDEZ RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS et al.	CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOG Y	2015
61	Insights into a defined secondary binding region on $\beta$ -adrenoceptors and putative roles in ligand binding and drug design	RAFAEL VILLALOBOS MOLINA SorianoUrsua, M. A. TrujilloFerrara, J. G. et al.	Medchemcom m	2015
62	Novel missense mutation in the EDA1 gene identified in a family with hypohidrotic ectodermal dysplasia	JOSE GLUSTEIN POZO MOLINA JULIA REYES REALI MARIA ISABEL MENDOZA RAMOS et al.	INTERNATIONAL JOURNAL OF DERMATOLOGY	2015
63	Prevalence of metabolic syndrome in young Mexicans: a sensitivity analysis on its components	MIGUEL MURGUIA ROMERO JOSE RAFAEL JIMENEZ FLORES SANTIAGO CRISTOBAL SIGRIST FLORES et al.	NUTRICION HOSPITALARIA	2015
64	Parecoxib Increases Blood Pressure Through Inhibition of Cyclooxygenase-2 Messenger RNA in an Experimental Model	RAFAEL VILLALOBOS MOLINA Jose PerezUrizar Antonio VertizHernandez, Angel et al.	REVISTA DE INVESTIGACION CLINICA-CLINIC AL AND TRANSLATIONAL INVESTIGATION	2015
65	Free fatty acids and protein kinase C activation induce GPR120 (free fatty acid receptor 4) phosphorylation	Omar B. Sanchez Reyes MA. TERESA ROMERO AVILA JEAN ALBERTO CASTILLO BADILLO et al.	EUROPEAN JOURNAL OF PHARMACOLOG Y	2014





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66	Gender- and hydration-associated differences in the physiological response to spinning	PATRICIA VICTORIA TORRES DURAN MARCO ANTONIO JUAREZ OROPEZA RAFAEL VILLALOBOS MOLINA et al.	NUTRICION HOSPITALARIA	2014
67	Metabolomic (anthropometric and biochemical) indexes and metabolic syndrome in adolescents and young adults with intellectual disabilities	RAFAEL VILLALOBOS MOLINA Ramos-Jimenez, Arnulfo Patricia Hernandez-Torres, Rosa et al.	RESEARCH IN DEVELOPMENTAL DISABILITIES	2014
68	Postprandial glycaemia and inhibition of $\alpha$ -glucosidase activity by aqueous extract from <i>Coriandrum sativum</i>	FERNANDO GABRIEL BRINDIS HERNANDEZ MARTIN GONZALEZ ANDRADE SAMUEL ENOCH ESTRADA SOTO et al.	NATURAL PRODUCT RESEARCH	2014
69	Antidiabetic and antihypertensive effect of <i>Brickellia cavanillesii</i>	RAFAEL VILLALOBOS MOLINA Avila Villarreal, G. M. Estrada Soto, S. et al.	PLANTA MEDICA	2014
70	The hypertriglyceridemic waist, waist-to-height ratios and cardiometabolic risk in university students	Daniel Villalobos MIGUEL MURGUIA ROMERO JOSE RAFAEL JIMENEZ FLORES et al.	FASEB JOURNAL	2014
71	Tracheal relaxation of five medicinal plants used in Mexico for the treatment of several diseases	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS SAMUEL ENOCH ESTRADA SOTO et al.	ASIAN PACIFIC JOURNAL OF TROPICAL MEDICINE	2014
72	139-161 Fasting and postprandial glycemia in response to a strenuous workout in healthy subjects with family history of diabetes and borderline insulin resistance	PATRICIA VICTORIA TORRES DURAN MARCO ANTONIO JUAREZ OROPEZA RAFAEL VILLALOBOS MOLINA et al.	EXP CLIN CARDIOL	2014
73	Predicting metabolic syndrome with neural networks	MIGUEL MURGUIA ROMERO JOSE RAFAEL JIMENEZ FLORES ADOLFO RENE MENDEZ CRUZ et al.	Lecture Notes in Artificial Intelligence	2013
74	Plasma triglyceride/HDL-cholesterol ratio, insulin resistance, and cardiometabolic risk in young adults	MIGUEL MURGUIA ROMERO JOSE RAFAEL JIMENEZ FLORES SANTIAGO CRISTOBAL SIGRIST FLORES et al.	JOURNAL OF LIPID RESEARCH	2013
75	Dose-dependent antihypertensive determination and toxicological studies of tilianin isolated from <i>Agastache mexicana</i>	MAXIMILIANO IBARRA BARAJAS RAFAEL VILLALOBOS MOLINA SAMUEL ENOCH ESTRADA SOTO et al.	JOURNAL OF ETHNOPHARMA COLOGY	2013
76	Phosphorylation and internalization of short splicing variant of the omega 3 fatty acid sensor, GPR120	Omar Benoni Sanchez Reyes Jean A. Castillo Badillo MA. TERESA ROMERO AVILA et al.	FASEB JOURNAL	2013



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77	Vasorelaxant effect of chloroform extract from Justicia spicigera	RAFAEL VILLALOBOS MOLINA Esquivel-Gutierrez, Edgar Noriega-Cisneros, Ruth et al.	FASEB JOURNAL	2013
78	Non-steroidal anti-inflammatory drugs activate NADPH oxidase in adipocytes and raise the H2O2 pool to prevent cAMP-stimulated protein kinase a activation and inhibit lipolysis	HECTOR VAZQUEZ MEZA Martha Zentella de Pina JUAN PABLO PARDO VAZQUEZ et al.	BMC BIOCHEMISTRY	2013
79	Effect of bis-1,4-dihydropyridine in the kidney of diabetic rats	RAQUEL GOMEZ PLIEGO JAIME HECTOR GOMEZ ZAMUDIO BENJAMIN VELASCO BEJARANO et al.	JOURNAL OF PHARMACOLOGICAL SCIENCES	2013
80	Differential role of cyclooxygenase-1 and -2 on renal vasoconstriction to $\alpha$ 1-adrenoceptor stimulation in normotensive and hypertensive rats	ESTELA D' ABRIL RUIZ LEYJA RAFAEL VILLALOBOS MOLINA JUAN JAVIER LOPEZ GUERRERO et al.	LIFE SCIENCES	2013
81	Aqueous extract of Annona macrophyllata: A potential $\alpha$ -glucosidase inhibitor	FERNANDO GABRIEL BRINDIS HERNANDEZ EVA AGUIRRE HERNANDEZ RAFAEL VILLALOBOS MOLINA et al.	BIOMED RESEARCH INTERNATIONAL	2013
82	Antihypertensive and vasorelaxant effects of dihydrospinochalcone-A isolated from Lonchocarpus xuul Lundell by NO production: Computational and ex vivo approaches	JUAN GABRIEL NAVARRETE VAZQUEZ RAFAEL VILLALOBOS MOLINA SAMUEL ENOCH ESTRADA SOTO et al.	Phytomedicine	2013
83	Relaxant effects of Artemisia ludoviciana on isolated rat smooth muscle tissues	SAMUEL ENOCH ESTRADA SOTO RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS et al.	JOURNAL OF ETHNOPHARMACOLOGY	2012
84	Vasorelaxant activity of some structurally related triterpenic acids from Phoradendron reichenbachianum (Viscaceae) mainly by NO production: Ex vivo and in silico studies	JOSE LUIS MEDINA FRANCO RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS et al.	Fitoterapia	2012
85	Estimating the geographical distribution of the prevalence of the metabolic syndrome in young Mexicans	MIGUEL MURGUIA ROMERO JOSE RAFAEL JIMENEZ FLORES RAFAEL VILLALOBOS MOLINA et al.	Geospatial Health	2012
86	Impact of rosiglitazone and metformin on serum pro-inflammatory molecules and adipocytokines in rats with chronic fructose diet	SANTIAGO CRISTOBAL SIGRIST FLORES JUAN PABLO PARDO VAZQUEZ MIGUEL MURGUIA ROMERO et al.	FASEB JOURNAL	2012



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87	Cross-talk between alpha(1D)-adrenoceptors and angiotensin II metabolites in vascular smooth muscle is involved in hypertension	ITZELL ALEJANDRINA GALLARDO ORTIZ JUAN JAVIER LOPEZ GUERRERO MAXIMILIANO IBARRA BARAJAS et al.	FASEB JOURNAL	2012
88	Effect of ACE inhibition in renin-angiotensin and alpha(1)-adrenergic renal vascular renal systems	PATRICIA CASTRO MORENO JUAN JAVIER LOPEZ GUERRERO MAXIMILIANO IBARRA BARAJAS et al.	FASEB JOURNAL	2012
89	NOX2 activated by a 1-adrenoceptors modulates hepatic metabolic routes stimulated by beta-adrenoceptors	ANTONIO DIAZ CRUZ MARIA MAGDALENA VILCHIS LANDEROS RAQUEL GUINZBERG PERRUSQUIA et al.	FREE RADICAL RESEARCH	2011
90	Validated liquid chromatographic method and analysis of content of tilianin on several extracts obtained from Agastache mexicana and its correlation with vasorelaxant effect	ROBERTO BEST Y BROWN RAFAEL VILLALOBOS MOLINA SAMUEL ENOCH ESTRADA SOTO et al.	JOURNAL OF ETHNOPHARMACOLOGY	2011
91	Micropropagation and vasorelaxant activity of Laelia autumnalis (Orchidaceae)	RAFAEL VILLALOBOS MOLINA Vergara-Galicia, Jorge Aguirre-Crespo, Francisco et al.	NATURAL PRODUCT RESEARCH	2010
92	A comparative study of flavonoid analogues on streptozotocin-nicotinamide induced diabetic rats: Quercetin as a potential antidiabetic agent acting via 11 beta-Hydroxysteroid de	RAFAEL VILLALOBOS MOLINA Torres-Piedra, Mariana Ortiz-Andrade, Rolffy et al.	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	2010
93	Synthesis, vasorelaxant activity and antihypertensive effect of benzo[d]imidazole derivatives	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS Navarrete-Vazquez, Gabriel et al.	BIOORGANIC & MEDICINAL CHEMISTRY	2010
94	Vasorelaxant and antihypertensive effects of methanolic extract from roots of Laelia anceps are mediated by calcium-channel antagonism	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS ITZELL ALEJANDRINA GALLARDO ORTIZ et al.	Fitoterapia	2010
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96	Cochlospermum vitifolium induces vasorelaxant and antihypertensive effects mainly by activation of NO/cGMP signaling pathway	MAXIMILIANO IBARRA BARAJAS RAFAEL VILLALOBOS MOLINA Carlos Sanchez-Salgado, Juan et al.	JOURNAL OF ETHNOPHARMACOLOGY	2010



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97	Erratum: Adventitia removal does not modify the $\alpha 1D$ -adrenoceptors response in aorta during hypertension and ageing (Autonomic and Autacoid Pharmacology (2009) 29 (117-133))	JAIME HECTOR GOMEZ ZAMUDIO RAFAEL VILLALOBOS MOLINA	Autonomic and Autacoid Pharmacology	2010
98	Erratum: Evidence that endogenous inosine and adenosine mediated hyperglycemia during ischemia-reperfusion through A3 adenosine receptors (Autonomic and Autacoid Pharmacology (2009) 29 (157-164))	RAQUEL GUINZBERG PERRUSQUIA RAFAEL VILLALOBOS MOLINA ENRIQUE PIÑA GARZA et al.	Autonomic and Autacoid Pharmacology	2010
99	Adventitia removal does not modify the $\alpha 1D$ -adrenoceptors response in aorta during hypertension and ageing	RAFAEL VILLALOBOS MOLINA Gómez-Zamudio J.H.	Autonomic and Autacoid Pharmacology	2009
100	Evidence that endogenous inosine and adenosine-mediated hyperglycaemia during ischaemia-reperfusion through A3 adenosine receptors	RAQUEL GUINZBERG PERRUSQUIA RAFAEL VILLALOBOS MOLINA ENRIQUE PIÑA GARZA et al.	Autonomic and Autacoid Pharmacology	2009
101	Synthesis, in vitro and computational studies of protein tyrosine phosphatase 1B inhibition of a small library of 2-arylsulfonylaminobenzothiazoles with antihyperglycemic activity	JUAN GABRIEL NAVARRETE VAZQUEZ RAFAEL VILLALOBOS MOLINA JOSE LUIS MEDINA FRANCO et al.	BIOORGANIC & MEDICINAL CHEMISTRY	2009
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103	Chronic Angiotensin II cardiovascular effects are inversely related to $\alpha 1D$ -adrenoceptors expression in aorta of adult Wistar rat	ITZELL ALEJANDRINA GALLARDO ORTIZ MAXIMILIANO IBARRA BARAJAS PEDRO LOPEZ SANCHEZ et al.	FASEB JOURNAL	2009
104	Chronic Angiotensin II cardiovascular effects are inversely related to $\alpha 1D$ -adrenoceptors expression in aorta of adult Wistar rat	ITZELL ALEJANDRINA GALLARDO ORTIZ MAXIMILIANO IBARRA BARAJAS PEDRO LOPEZ SANCHEZ et al.	FASEB JOURNAL	2009
105	2-Methyl-2-(4-nitrophenylsulfanyl)propionic acid	RAFAEL VILLALOBOS MOLINA Navarrete-Vazquez, Gabriel Estrada-Soto, Samuel et al.	ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE	2008



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106	4-methoxy-N-[6-methyl-2,3-dihydro-1,3-benzothiazol-2-ylidene]benzenesulfonamide	RAFAEL VILLALOBOS MOLINA Navarrete-Vazquez, Gabriel Moreno-Diaz, Hermenegilda et al.	ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE	2008
107	Signaling the signal, cyclic AMP-dependent protein kinase inhibition by insulin-formed H <sub>2</sub> O <sub>2</sub> and reactivation by thioredoxin	Martha Zentella de Pina HECTOR VAZQUEZ MEZA JUAN PABLO PARDO VAZQUEZ et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2008
108	Antidiabetic activity of N-(6-substituted-1,3-benzothiazol-2-yl)benzenesulfonamides	RAFAEL VILLALOBOS MOLINA Samuel Estrada Soto MAXIMILIANO IBARRA BARAJAS et al.	BIOORGANIC & MEDICINAL CHEMISTRY LETTERS	2008
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114	Evidence that alpha1A-adrenoceptors control blood pressure in isolated rat mesenteric bed and their relationship with mRNA	RAFAEL VILLALOBOS MOLINA Gabriel Martinez-Salas, Sergio Sanchez-Monroy, Virginia et al.	FASEB JOURNAL	2008
115	Vascular alpha1D-adrenoceptors are overexpressed in aorta of the aryl hydrocarbon receptor null mouse: Role of increased angiotensin II	RAFAEL VILLALOBOS MOLINA FRANCISCO GABRIEL VAZQUEZ CUEVAS JUAN JAVIER LOPEZ GUERRERO et al.	Autonomic and Autacoid Pharmacology	2008
116	Evidence of alpha1-adrenoceptor functional changes in omental arteries of patients with end-stage renal disease	MARIA DEL PILAR CRUZ DOMINGUEZ RAFAEL VILLALOBOS MOLINA Miliar-García A. et al.	Autonomic and Autacoid Pharmacology	2008



117	$\alpha$ -Glucosidase inhibitory activity of the methanolic extract from <i>Tournefortia hartwegiana</i> : An anti-hyperglycemic agent	RAFAEL VILLALOBOS MOLINA SAMUEL ENOCH ESTRADA SOTO Ortiz-Andrade R.R. et al.	JOURNAL OF ETHNOPHARMACOLOGY	2007
118	$\alpha$ 1A-Adrenoceptors predominate in the control of blood pressure in mouse mesenteric vascular bed	ITZELL ALEJANDRINA GALLARDO ORTIZ MAXIMILIANO IBARRA BARAJAS RAFAEL VILLALOBOS MOLINA et al.	Autonomic and Autacoid Pharmacology	2007
119	Hypoglycemic, vasorelaxant and hepatoprotective effects of <i>Cochlospermum vitifolium</i> (Willd.) Sprengel: A potential agent for the treatment of metabolic syndrome	RAFAEL VILLALOBOS MOLINA SAMUEL ENOCH ESTRADA SOTO Sánchez-Salgado J.C. et al.	JOURNAL OF ETHNOPHARMACOLOGY	2007
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128	Postjunctional $\alpha_1$ -adrenoceptors in the vasculature of the pithed mouse are of the $\alpha_{1A}$ -subtype	JUAN JAVIER LOPEZ GUERRERO MAXIMILIANO IBARRA BARAJAS RAFAEL VILLALOBOS MOLINA	Autonomic and Autacoid Pharmacology	2005
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133	The elusive $\alpha_1D$ -adrenoceptor: Molecular and cellular characteristics and integrative roles	JESUS ADOLFO GARCIA SAINZ RAFAEL VILLALOBOS MOLINA	EUROPEAN JOURNAL OF PHARMACOLOGY	2004
134	Spasmolytic stilbenoids from Maxillaria densa	SAMUEL ENOCH ESTRADA SOTO JUAN JAVIER LOPEZ GUERRERO RAFAEL VILLALOBOS MOLINA et al.	Fitoterapia	2004
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146	The influence of chloroethylclonidine-induced contraction in isolated arteries of Wistar Kyoto rats $\alpha 1D$ - and $\alpha 1A$ -adrenoceptors, protein kinase C, and calcium influx	MAXIMILIANO IBARRA BARAJAS JUAN JAVIER LOPEZ GUERRERO RAFAEL VILLALOBOS MOLINA	Archives Of Medical Research	2001
147	Effects of chronic morphine and N6-cyclopentyl-adenosine administration on kainic acid-induced status epilepticus	RAFAEL VILLALOBOS MOLINA LUISA LILIA ROCHA ARRIETA Cano-Martínez A.	EPILEPSY RESEARCH	2001
148	The $\alpha$ -adrenoceptor antagonist, zolertine, inhibits $\alpha 1D$ - and $\alpha 1A$ -adrenoceptor-mediated vasoconstriction in vitro	MAXIMILIANO IBARRA BARAJAS RAFAEL VILLALOBOS MOLINA Hong E.	J AUTON PHARMACOL	2000



**RAFAEL VILLALOBOS MOLINA**

149	Differential response to chloroethylclonidine in blood vessels of normotensive and spontaneously hypertensive rats: Role of $\alpha(1D)$ - and $\alpha(1A)$ -adrenoceptors in contraction	MAXIMILIANO IBARRA BARAJAS JUAN PABLO PARDO VAZQUEZ JUAN JAVIER LOPEZ GUERRERO et al.	BRITISH JOURNAL OF PHARMACOLOGY	2000
150	Evidence that (-)-dobutamine interacts with $\alpha 1D$ -adrenoceptors to promote extracellular $Ca^{2+}$ influx in the rat aorta: Studies with nifedipine and chloroethylclonidine	RAFAEL VILLALOBOS MOLINA Oriowo M.A. Hieble J.P. et al.	Pharmacology Reviews And Communications	2000
151	Vascular $\alpha(1D)$ -adrenoceptor function is maintained during congestive heart failure after myocardial infarction in the rat	LILIANA CARMONA APARICIO RAFAEL VILLALOBOS MOLINA Martínez L.	Archives Of Medical Research	1999
152	Functional evidence of $\alpha(1D)$ -adrenoceptors in the vasculature of young and adult spontaneously hypertensive rats	RAFAEL VILLALOBOS MOLINA JUAN JAVIER LOPEZ GUERRERO MAXIMILIANO IBARRA BARAJAS	BRITISH JOURNAL OF PHARMACOLOGY	1999
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159	Chloroethylclonidine is a partial $\alpha 1$ -adrenoceptor agonist in aorta and caudal arteries of the Wistar Kyoto rat	RAFAEL VILLALOBOS MOLINA JUAN JAVIER LOPEZ GUERRERO MAXIMILIANO IBARRA BARAJAS	EUROPEAN JOURNAL OF PHARMACOLOGY	1998
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162	Evidence for an age-dependent functional expression of $\alpha(1D)$ -adrenoceptors in the rat vasculature	MAXIMILIANO IBARRA BARAJAS JUAN JAVIER LOPEZ GUERRERO RAFAEL VILLALOBOS MOLINA et al.	EUROPEAN JOURNAL OF PHARMACOLOGY	1997
163	Effect of L-DOPA and the catechol-O-methyltransferase inhibitor Ro 41-0960 on sulfur amino acid metabolites in rats	RAFAEL VILLALOBOS MOLINA Miller J.W. Shukitt-Hale B. et al.	CLINICAL NEUROPHARMACOLOGY	1997
164	Chloroethylclonidine is a partial $\alpha 1(A)$ -adrenoceptor agonist in cells expressing recombinant $\alpha 1$ -adrenoceptor subtypes	RAFAEL VILLALOBOS MOLINA JOSE VAZQUEZ PRADO JESUS ADOLFO GARCIA SAINZ	LIFE SCIENCES	1997
165	$\alpha(1D)$ - and $\alpha(1A)$ -adrenoceptors mediate contraction in rat renal artery	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS Javier López-Guerrero J.	EUROPEAN JOURNAL OF PHARMACOLOGY	1997
166	$\alpha 1$ -Adrenoceptors mediating contraction in arteries of normotensive and spontaneously hypertensive rats are of the $\alpha 1D$ or $\alpha 1A$ subtypes	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS	EUROPEAN JOURNAL OF PHARMACOLOGY	1996
167	Increased sensitivity to oxidative stress and the loss of muscarinic receptor responsiveness in senescence	RAFAEL VILLALOBOS MOLINA Joseph J.A. Denisova N. et al.	ANNALS OF THE NEW YORK ACADEMY OF SCIENCES	1996
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170	Erratum: $\alpha 1$ -Adrenoceptors mediating contraction in arteries of normotensive and spontaneously hypertensive rats are of the $\alpha(1D)$ and $\alpha(1A)$ subtypes (Eur. J. Pharmacol. (1996) 298 (257-263))	RAFAEL VILLALOBOS MOLINA MAXIMILIANO IBARRA BARAJAS	EUROPEAN JOURNAL OF PHARMACOLOGY	1996
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172	Profile of $\alpha 1B$ -Adrenergic affinity of several antidepressant and antipsychotic drugs in rat hepatic membranes	RAFAEL VILLALOBOS MOLINA Falcón-Neri M.A.	Proceedings of the Western Pharmacology Society	1996
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174	Iron-56 irradiation diminishes muscarinic but not $\alpha 1$ -adrenergic-stimulated low- $K(m)$ GTPase in rat brain	RAFAEL VILLALOBOS MOLINA Joseph J.A. Rabin B.M. et al.	RADIATION RESEARCH	1994
175	Area specific alterations in muscarinic stimulated low Km GTPase activity in aging and Alzheimer's disease: implications for altered signal transduction	RAFAEL VILLALOBOS MOLINA Cutler R. Joseph J.A. et al.	BRAIN RESEARCH	1994
176	Reductions of $^{56}Fe$ heavy-particle irradiation-induced deficits in striatal muscarinic receptor sensitivity by selective cross-activation/inhibition of second-messenger systems	RAFAEL VILLALOBOS MOLINA Joseph J.A. Rabin B.M. et al.	RADIATION RESEARCH	1994
177	$\alpha 1$ -Adrenergic stimulation of low Km GTPase in rat striata is diminished with age	RAFAEL VILLALOBOS MOLINA Joseph J.A. Roth G.S.	BRAIN RESEARCH	1992
178	$\alpha 1$ -Adrenoceptors in parotid cells: age does not alter the ratio of $\alpha 1A$ and $\alpha 1B$ subtypes	RAFAEL VILLALOBOS MOLINA Miyamoto A. Kowatch M.A. et al.	European Journal Of Pharmacology: Molecular Pharmacology	1992
179	Altered coupling of $\alpha 1$ -adrenergic receptor-G protein in rat parotid during aging	RAFAEL VILLALOBOS MOLINA Miyamoto A. Kowatch M.A. et al.	AMERICAN JOURNAL OF PHYSIOLOGY	1992



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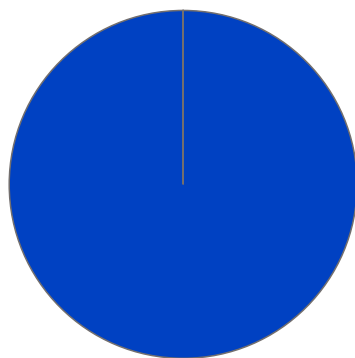
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180	Erratum: Altered coupling of $\alpha 1$ -adrenergic receptor-G protein in rat parotid during aging (American Journal of Physiology: Cell Physiology (May 1992) 262 (C1181-C1188))	RAFAEL VILLALOBOS MOLINA Miyamoto A. Kowatch M.A. et al.	AMERICAN JOURNAL OF PHYSIOLOGY	1992
181	Pelanserin inhibition of serotonin-induced phosphatidylinositol turnover and contraction in rabbit aorta	RAFAEL VILLALOBOS MOLINA Castillo C. Hong E.	DRUG DEVELOPMENT RESEARCH	1991



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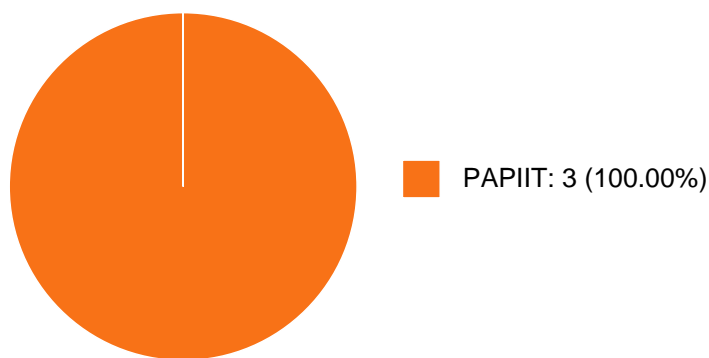


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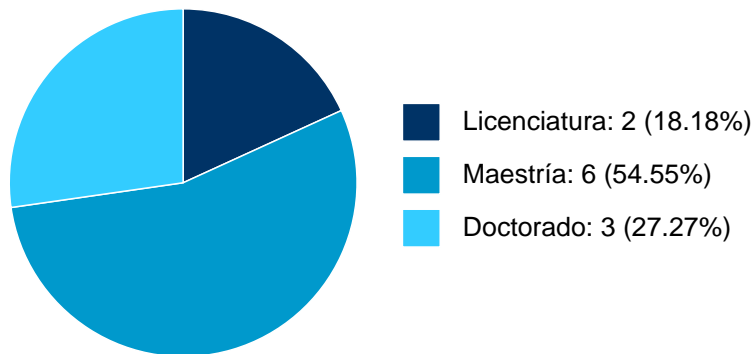
### Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	La depleción de ATP por fructosa dietaria: alteraciones hepáticas y vasculares asociadas con el síndrome metabólico	RAFAEL VILLALOBOS MOLINA	Recursos PAPIIT	01-01-2016	31-12-2018
2	La depleción de ATP por fructosa dietaria: alteraciones hepáticas y vasculares asociadas con el síndrome metabólico.	RAFAEL VILLALOBOS MOLINA	Recursos PAPIIT	01-01-2019	31-12-2021
3	Influencia de la angiotensina II sobre el sistema alfa1-adrenérgico en la vasculatura de rata	RAFAEL VILLALOBOS MOLINA	Recursos PAPIIT	01-01-2022	31-12-2024

## PARTICIPACIÓN EN TESIS

### Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Inmunoterapia basada en macrófagos M2 para el tratamiento de la intolerancia a la glucosa en un modelo murino	Tesis de Maestría	RAFAEL VILLALOBOS MOLINA,	Vega Galaviz, Diana,	Facultad de Estudios Superiores "Iztacala",	2018
2	Análisis de la expresión de la cox-2 renal y su participación en la regulación del sistema renina-angiotensina durante el desarrollo de la hipertensión arterial	Tesis de Doctorado	MAXIMILIANO IBARRA BARAJAS,	RAFAEL VILLALOBOS MOLINA, Guzmán Hernández, Elizabeth Alejandrina,	Facultad de Estudios Superiores "Iztacala",	2015
3	Efecto de la angiotensina II en la vasculatura de ratón Id-/- -adrenérgico	Tesis de Doctorado	RAFAEL VILLALOBOS MOLINA,	Lázaro Suárez, Martha Lucía,	Facultad de Estudios Superiores "Iztacala",	2014
4	Acciones de los trabajadores de la salud ante un accidente con material punzocortante	Tesis de Maestría	DIANA CECILIA TAPIA PANCARDO,	RAFAEL VILLALOBOS MOLINA, Sánchez Ramos, Araceli,	Facultad de Estudios Superiores "Iztacala",	2013



#### RAFAEL VILLALOBOS MOLINA

5	Relación entre hábitos de alimentación, actividad física y el índice de masa corporal de estudiantes universitarios de pregrado de la UNAM	Tesis de Maestría	DIANA CECILIA TAPIA PANCARDO,	RAFAEL VILLALOBOS MOLINA, Serrano Diosdado, José Juan,	Facultad de Estudios Superiores "Iztacala",	2013
6	Participación de la angiotensina-(1-7) en la hipertrofia renal temprana en un modelo de diabetes mellitus	Tesis de Maestría	BEATRIZ VAZQUEZ CRUZ,	RAFAEL VILLALOBOS MOLINA, Núñez Ortiz, Alma Rosa,	Facultad de Estudios Superiores "Iztacala",	2012
7	Efecto de rosiglitazona y metformina en la concentración sérica de adipocitocinas y moléculas pro-inflamatorias en ratas con ingesta crónica de fructosa	Tesis de Maestría	JOSE RAFAEL JIMENEZ FLORES,	JUAN PABLO PARDO VAZQUEZ, RAFAEL VILLALOBOS MOLINA, et al.	Facultad de Estudios Superiores "Iztacala", Facultad de Medicina,	2012
8	Purificación y caracterización bioquímica de la tiorredoxina glutatión reductasa del trematodo Fasciola hepática	Tesis de Licenciatura	HUGO VIRGILIO PERALES VELA,	JUAN LUIS RENDON GOMEZ, ROBERTO VELASCO GARCIA, et al.	Facultad de Estudios Superiores "Iztacala", Facultad de Medicina,	2011
9	Estudios funcionales de los subtipos de receptores [alfa]1-adrenergicos y de angiotensina II (AT1) en la insuficiencia cardiaca post-infarto miocardico	Tesis de Doctorado	RAFAEL VILLALOBOS MOLINA,	Martínez Aguilar, Luisa,		2004
10	Respuesta [alfa]1-adrenergica en arterias de ratas con insuficiencia cardiaca inducida por infarto miocardico	Tesis de Licenciatura	LUISA MARTINEZ AGUILAR,	RAFAEL VILLALOBOS MOLINA, Carmona Aparicio, Liliana,		1999



**Sistema Integral de Información Académica**  
**Dirección General de Evaluación Institucional**  
**Reporte de Producción Académica**



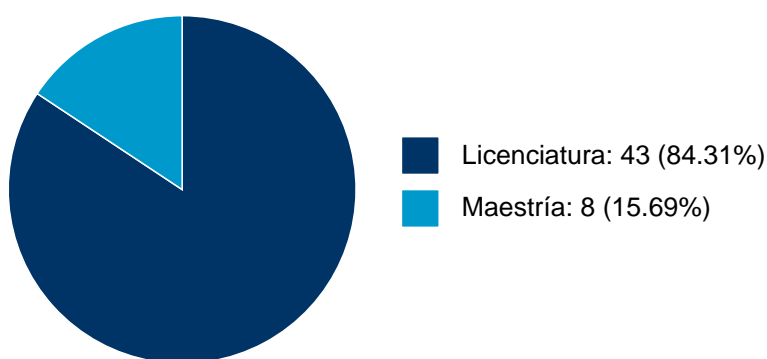
**RAFAEL VILLALOBOS MOLINA**

11	Efectos metabólicos de la adenosina en hígado de mamíferos : dependencia de calcio y/o AMP=cíclico en la estimulación de la gluconeogénesis y la glucogénesis	Tesis de Maestría	RAQUEL GUINZBERG PERRUSQUIA,	ENRIQUE PIÑA GARZA, RAFAEL VILLALOBOS MOLINA, et al.	1998
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## DOCENCIA IMPARTIDA

### Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	34	2023-2
2	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	32	2023-2
3	Licenciatura	FARMACOLOGIA I	Facultad de Estudios Superiores "Iztacala"	33	2023-1
4	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	38	2022-2
5	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	35	2022-2
6	Licenciatura	FARMACOLOGIA I	Facultad de Estudios Superiores "Iztacala"	36	2022-1
7	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	36	2021-2
8	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	33	2021-2
9	Licenciatura	FARMACOLOGIA I	Facultad de Estudios Superiores "Iztacala"	36	2021-1
10	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	35	2020-2
11	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	34	2020-2



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12	Licenciatura	FARMACOLOGIA I	Facultad de Estudios Superiores "Iztacala"	31	2020-1
13	Licenciatura	LECTURA DE LA INVESTIGACION MEDICA	Facultad de Estudios Superiores "Iztacala"	8	2019-2
14	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	30	2019-2
15	Licenciatura	FARMACOLOGIA I	Facultad de Estudios Superiores "Iztacala"	29	2019-1
16	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	30	2018-2
17	Maestría	TRABAJO DE INVESTIGACION IV	Facultad de Ciencias	1	2018-2
18	Licenciatura	LECTURA DE LA INVESTIGACION MEDICA	Facultad de Estudios Superiores "Iztacala"	14	2018-2
19	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Ciencias	1	2018-1
20	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA	Facultad de Estudios Superiores "Iztacala"	30	2018-1
21	Licenciatura	FARMACOLOGIA I	Facultad de Estudios Superiores "Iztacala"	30	2018-1
22	Licenciatura	FARMACOLOGIA II	Facultad de Estudios Superiores "Iztacala"	30	2017-2
23	Maestría	TRABAJO DE INVESTIGACIÓN II	Facultad de Ciencias	1	2017-2
24	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA	Facultad de Estudios Superiores "Iztacala"	8	2017-1
25	Licenciatura	FARMACOLOGIA I	Facultad de Estudios Superiores "Iztacala"	32	2017-1
26	Maestría	TRABAJO DE INVESTIGACION I-393689	Facultad de Ciencias	1	2017-1
27	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA-330332	Facultad de Estudios Superiores "Iztacala"	28	2016-2
28	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA-2985	Facultad de Estudios Superiores "Iztacala"	15	2016-2
29	Licenciatura	BIOQUIMICA-341895	Facultad de Estudios Superiores "Iztacala"	43	2016-1
30	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA-330331	Facultad de Estudios Superiores "Iztacala"	34	2016-1
31	Maestría	FARMACODINAMIA	Facultad de Medicina	7	2016-1
32	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA	Facultad de Estudios Superiores "Iztacala"	37	2015-2
33	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA	Facultad de Estudios Superiores "Iztacala"	31	2015-2
34	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA	Facultad de Estudios Superiores "Iztacala"	17	2015-1

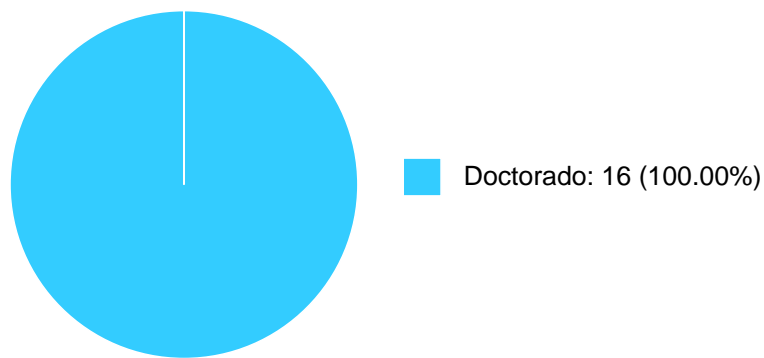


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35	Licenciatura	FARMACOLOGIA Y ESTILOS DE VIDA	Facultad de Estudios Superiores "Iztacala"	9	2015-1
36	Maestría	FARMACODINAMIA	Facultad de Medicina	3	2015-1
37	Maestría	FARMACODINAMIA	Facultad de Medicina	3	2013-2
38	Licenciatura	GENERALIDADES	Facultad de Estudios Superiores "Iztacala"	29	2013-1
39	Licenciatura	EL ENTORNO DEL HOMBRE	Facultad de Estudios Superiores "Iztacala"	32	2013-1
40	Licenciatura	INTERACCION HOMBRE-ENTORNO	Facultad de Estudios Superiores "Iztacala"	32	2012-2
41	Licenciatura	EL ENTORNO DEL HOMBRE	Facultad de Estudios Superiores "Iztacala"	31	2012-1
42	Licenciatura	INTERACCION HOMBRE-ENTORNO	Facultad de Estudios Superiores "Iztacala"	30	2011-2
43	Maestría	FARMACODINAMIA	Facultad de Medicina	5	2011-2
44	Licenciatura	EL ENTORNO DEL HOMBRE	Facultad de Estudios Superiores "Iztacala"	29	2011-1
45	Curso de Licenciatura	Actualidades de Síndrome Metabólico I	Facultad de Estudios Superiores "Iztacala"	0	
46	Licenciatura	INTERACCION HOMBRE-ENTORNO	Facultad de Estudios Superiores "Iztacala"	27	2010-2
47	Licenciatura	EL ENTORNO DEL HOMBRE	Facultad de Estudios Superiores "Iztacala"	30	2010-1
48	Licenciatura	LABORATORIO II	Facultad de Estudios Superiores "Iztacala"	24	2009-2
49	Licenciatura	LABORATORIO III	Facultad de Estudios Superiores "Iztacala"	34	2009-1
50	Licenciatura	LABORATORIO III	Facultad de Estudios Superiores "Iztacala"	28	2008-2
51	Licenciatura	LABORATORIO III	Facultad de Estudios Superiores "Iztacala"	35	2008-1
52	Licenciatura	GENERALIDADES	Facultad de Estudios Superiores "Iztacala"	31	2008-1

## TUTORIAS EN POSGRADO

### Histórico de tutorías en posgrado



#	Entidad	Nivel	Plan de estudios	Año	Semestre
1	Facultad de Medicina	Doctorado	Doctorado en Investigación Clínica Experimental en Salud	2021	2021-2
2	Facultad de Medicina	Doctorado	Doctorado en Investigación Clínica Experimental en Salud	2020	2020-2
3	Facultad de Medicina	Doctorado	Doctorado en Investigación Clínica Experimental en Salud	2019	2019-2
4	Facultad de Medicina	Doctorado	Doctorado en Investigación Clínica Experimental en Salud	2019	2020-1
5	Facultad de Medicina	Doctorado	Doctorado en Investigación Clínica Experimental en Salud	2018	2018-2
6	Facultad de Medicina	Doctorado	Doctorado en Investigación Clínica Experimental en Salud	2018	2019-1
7	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2012	2012-2
8	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2012	2013-1
9	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2011	2011-2
10	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2011	2012-1
11	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2010	2010-2
12	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2010	2011-1
13	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2009	2009-2
14	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2009	2010-1
15	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2008	2008-2
16	Facultad de Medicina	Doctorado	Doctorado en Ciencias Biomédicas	2008	2009-1



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## **PATENTES**

#	Título	Inventores	Sección	Año
1	PIRROLOISOINDOLONAS NUEVOS INHIBIDORES DE LA ENZIMA CONVERTIDORA DE ANGIOTENSINA (IECAS) PARA EL TRATAMIENTO DE LA HIPERTENSION ARTERIAL.	ADELFO NATALIO REYES RAMIREZ, ITZELL ALEJANDRINA GALLARDO ORTIZ, RAFAEL VILLALOBOS MOLINA,	CHEMISTRY; METALLURGYHUMAN NECESSITIES	2022
2	USO DEL ANTAGONISTA A1D-ADRENERGICO, EL BMY-7378, PARA EL TRATAMIENTO DE LA PREVENCION Y REVERSION DE LA HIPERTROFIA VASCULAR EN LA HIPERTENSION ARTERIAL.	ITZELL ALEJANDRINA GALLARDO ORTIZ, RAFAEL VILLALOBOS MOLINA,	HUMAN NECESSITIES	2023



**RAFAEL VILLALOBOS MOLINA**

## FUENTES DE INFORMACIÓN

### Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2024
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2024
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2024
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

### Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2024
9	Documentos Indexados	Thomson Reuters	WoS	2008-2024
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2024
11	Patentes	IMPI	SIGA	2008-2024