

Titulaciones

Doctorado, Doctorado en Ciencias Biomédicas Básicas, Universidad Autónoma de San Luis Potosí (UASLP)

Fecha de concesión: 25 jul. 2003

Maestría, Maestría en Ciencias Especialidad en Farmacología, Escuela Superior de Medicina (ESM)

Fecha de concesión: 15 jul. 2000

Medico Cirujano y Partero, Escuela Superior de Medicina (ESM)

Fecha de concesión: 16 jul. 1998

Empleo

PROFESOR DE TIEMPO COMPLETO

Escuela Superior de Medicina (ESM)

México

1 ago. 2007 → present

Resultado de la investigación

Ketorolac and (-)-Epicatechin change retinal GFAP and NRF2 expression on hyperglycemic CD1 mice

Somilleda-Ventura, S. A., López-Mayorga, R. M., Meaney-Mendiolea, E., Rubio-Gayosso, A. I. O., Pérez-Cano, H. J., Ceballos-Reyes, G. M. & Lima-Gómez, V., 15 feb. 2023, En: *Journal of Neuroimmunology*. 375, 578018.

Hyperbaric oxygenation applied before or after mild or hard stress: effects on the redox state in the muscle tissue

Pérez-Castro, C. C., Kormanovski, A., Guevara-Balcázar, G., del Carmen Castillo-Hernández, M., García-Sánchez, J. R., Olivares-Corichi, I. M., López-Sánchez, P. & Rubio-Gayosso, I., ene. 2023, En: *Korean Journal of Physiology and Pharmacology*. 27, 1, p. 9-20 12 p.

Hyperbaric oxygenation applied before or after mild or hard stress: effects on the redox state in the muscle tissue.

Pérez-Castro, CC., Kormanovski, A., Guevara-Balcázar, G., Castillo-Hernández, MDC., García-Sánchez, JR., Olivares-Corichi, IM., López-Sánchez, P. & Rubio-Gayosso, I., ene. 2023, En: *The Korean journal of physiology & pharmacology : official journal of the Korean Physiological Society and the Korean Society of Pharmacology*.

Role of Sulfur Compounds in Garlic as Potential Therapeutic Option for Inflammation and Oxidative Stress in Asthma

Sánchez-Gloria, J. L., Rada, K. M., Juárez-Rojas, J. G., Sánchez-Lozada, L. G., Rubio-Gayosso, I., Sánchez-Muñoz, F. & Osorio-Alonso, H., dic. 2022, En: *International Journal of Molecular Sciences*. 23, 24, 15599.

Global longitudinal strain is superior to ejection fraction for detecting myocardial dysfunction in end-stage renal disease with hyperparathyroidism

Carrasco-Ruiz, M. F., Ruiz-Rivera, A., Soriano-Ursúa, M. A., Martínez-Hernandez, C., Manuel-Apolinar, L., Castillo-Hernandez, C., Guevara-Balcazar, G., Farfán-García, E. D., Mejía-Ruiz, A., Rubio-Gayosso, I. & Perez-Capistran, T., 1 abr. 2022, En: *World Journal of Cardiology*. 14, 4, p. 239-249 11 p.

Cold exposure aggravates pulmonary arterial hypertension through increased miR-146a-5p, miR-155-5p and cytokines TNF- α , IL-1 β , and IL-6

Sánchez-Gloria, J. L., Carbó, R., Buelna-Chontal, M., Osorio-Alonso, H., Hernández-Díazcorder, A., de la Fuente-León, R. L., Sandoval, J., Sánchez, F., Rubio-Gayosso, I. & Sánchez-Muñoz, F., 15 dic. 2021, En: *Life Sciences*. 287, 120091.

Anti-inflammatory effect of allicin associated with fibrosis in pulmonary arterial hypertension

Sánchez-Gloria, J. L., Martínez-Olivares, C. E., Rojas-Morales, P., Hernández-Pando, R., Carbó, R., Rubio-Gayosso, I., Arellano-Buendía, A. S., Rada, K. M., Sánchez-Muñoz, F. & Osorio-Alonso, H., 2 ago. 2021, En: *International Journal of Molecular Sciences*. 22, 16, 8600.

Cannabidiol-mediated RISK PI3K/AKT and MAPK/ERK pathways decreasing reperfusion myocardial damage

Franco-Vadillo, A., Toledo-Blass, M., Rivera-Herrera, Z., Guevara-Balcazar, G., Orihuela-Rodriguez, O., Morales-Carmona, J. A., Kormanovski-Kovzova, A., Lopez-Sanchez, P., Rubio-Gayosso, I. & Castillo-Hernandez, M. D. C., ago. 2021, En: *Pharmacology Research and Perspectives*. 9, 4, e00784.

Arginase inhibition by (-)-Epicatechin reverses endothelial cell aging

Garate-Carrillo, A., Navarrete-Yañez, V., Ortiz-Vilchis, P., Guevara, G., Castillo, C., Mendoza-Lorenzo, P., Ceballos, G., Ortiz-Flores, M., Najera, N., Bustamante-Pozo, M. M., Rubio-Gayosso, I., Villarreal, F. & Ramirez-Sanchez, I., 15 oct. 2020, En: *European Journal of Pharmacology*. 885, 173442.

Nutraceuticals in the treatment of pulmonary arterial hypertension

Sánchez-Gloria, J. L., Osorio-Alonso, H., Arellano-Buendía, A. S., Carbó, R., Hernández-Díazcorder, A., Guzmán-Martín, C. A., Rubio-Gayosso, I. & Sánchez-Muñoz, F., 2 jul. 2020, En: *International Journal of Molecular Sciences*. 21, 14, p. 1-35 35 p., 4827.

Randomized Trial of Deep Vein Thrombosis Chemoprophylaxis with Bemiparin and Enoxaparin in Patients with Moderate to High Thrombogenic Risk Undergoing Plastic and Reconstructive Surgery Procedures

Revilla-Peñaloza, F., Olsoff-Pagovich, P. J., Ochoa-Gomez, J. R., Castaneda-Gaxiola, R., Rubio-Gayosso, Á. I., Ceballos, G. & Molina-Guarneros, J. A., 1 jun. 2020, En: *Aesthetic Plastic Surgery*. 44, 3, p. 820-829 10 p.

High flavonoid cocoa supplement ameliorates plasma oxidative stress and inflammation levels while improving mobility and quality of life in older subjects: A double-blind randomized clinical trial

Munguia, L., Rubio-Gayosso, I., Ramirez-Sanchez, I., Ortiz, A., Hidalgo, I., Gonzalez, C., Meaney, E., Villarreal, F., Najera, N. & Ceballos, G., 1 oct. 2019, En: *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*. 74, 10, p. 1620-1627 8 p.

Effect of (-)-epicatechin on the modulation of progression markers of chronic renal damage in a 5/6 nephrectomy experimental model

Montes-Rivera, J., Arellano-Mendoza, M., Nájera, N., Del Valle-Mondragón, L., Villarreal, F., Rubio-Gayosso, I., Perez-Duran, J., Meaney, E. & Ceballos, G., abr. 2019, En: *Heliyon*. 5, 4, e01512.

Effects of chronic inhibition of Testosterone metabolism on cardiac remodeling after ischemia/reperfusion-induced myocardial damage in gonadectomized rats

Maldonado, O., Ramos, A., Guapillo, M., Rivera, J., Palma, I., Rubio-Gayosso, I., Ramirez-Sanchez, I., Najera, N., Ceballos, G. & Mendez-Bolaina, E., 2019, En: *Biology Open*. 8, 5, bio041905.

Characterization of the cytotoxic effects of the combination of cisplatin and flavanol (-)-epicatechin on human lung cancer cell line A549. An isobolographic approach

Varela-Castillo, O., Cordero, P., Gutiérrez-Iglesias, G., Palma, I., Rubio-Gayosso, I., Meaney, E., Ramirez-Sanchez, I., Villarreal, F., Ceballos, G. & Nájera, N., mar. 2018, En: *Experimental Oncology*. 40, 1, p. 19-23 5 p.

The cardioprotective effects of (-)-Epicatechin are mediated through arginase activity inhibition in a murine model of ischemia/reperfusion

Ortiz-Vilchis, P., Ortiz-Flores, M., Pacheco, M., Ramirez-Sanchez, I., Moreno-Ulloa, A., Vega, L., Ortiz, A., Villarreal, F., Rubio-Gayosso, I., Najera, N., Meaney, E. & Ceballos, G., 5 ene. 2018, En: *European Journal of Pharmacology*. 818, p. 335-342 8 p.

Association of physical performance tests with frailty indicators and oxidative stress markers in a sample of a community-dwelling elderly population

Munguia, L., Solis, V., Meaney, E., Ramirez-Sanchez, I., Villarreal, F., Perez-Duran, J., Rubio-Gayosso, I., Ortiz, A., Ceballos, G. & Najera, N., 2018, En: *Biomedical Research (India)*. 29, 17, p. 3344-3350 7 p.

Participation of COX-1 and COX-2 in the contractile effect of phenylephrine in prepubescent and old rats

Guevara-Balcazar, G., Ramirez-Sanchez, I., Mera-Jimenez, E., Rubio-Gayosso, I., Aguilar-Najera, M. E. & Castillo-Hernandez, M. C., jul. 2017, En: *Korean Journal of Physiology and Pharmacology*. 21, 4, p. 407-413 7 p.

Atherosclerotic risk in middle-aged women with rheumatoid arthritis

Santos-Altamirano, A., Rodríguez-Falcón, M., Meaney, A., Gutiérrez-Salmeán, G., Velázquez, H., Rubio-Gayosso, I., Nájera, N., Ceballos, G. & Meaney, E., 1 abr. 2015, En: *Revista Mexicana de Cardiología*. 26, 2, p. 70-77 8 p.

Beneficial effects of a flavanol-enriched cacao beverage on anthropometric and cardiometabolic risk profile in overweight subjects

Munguía, L., Gutiérrez-Salmeán, G., Hernández, M., Ortiz, A., Sánchez, M. E., Nájera, N., Meaney, E., Rubio-Gayosso, I. & Ceballos, G., 1 abr. 2015, En: *Revista Mexicana de Cardiología*. 26, 2, p. 78-86 9 p.

Co-administration of the flavanol (-)-epicatechin with doxycycline synergistically reduces infarct size in a model of ischemia reperfusion injury by inhibition of mitochondrial swelling

Ortiz-Vilchis, P., Yamazaki, K. G., Rubio-Gayosso, I., Ramirez-Sanchez, I., Calzada, C., Romero-Perez, D., Ortiz, A., Meaney, E., Taub, P., Villarreal, F. & Ceballos, G., 24 feb. 2015, En: *European Journal of Pharmacology*. 744, p. 76-82 7 p.

Co-administration of the flavanol (-)-epicatechin with doxycycline synergistically reduces infarct size in a model of ischemia reperfusion injury by inhibition of mitochondrial swelling

Ortiz-Vilchis, P., Yamazaki, K. G., Rubio-Gayosso, I., Ramirez-Sanchez, I., Calzada, C., Romero-Perez, D., Ortiz, A., Meaney, E., Taub, P., Villarreal, F. & Ceballos, G., 5 dic. 2014, En: *European Journal of Pharmacology*. 744, p. 76-82 7 p.

Acute effects of an oral supplement of (-)-epicatechin on postprandial fat and carbohydrate metabolism in normal and overweight subjects

Gutiérrez-Salmeán, G., Ortiz-Vilchis, P., Vacaseydel, C. M., Rubio-Gayosso, I., Meaney, E., Villarreal, F., Ramírez-Sánchez, I. & Ceballos, G., mar. 2014, En: *Food and Function*. 5, 3, p. 521-527 7 p.

The molecular fingerprint of human papillomavirus infection and its effect on the Langerhans cell population in squamous cell carcinomas of the genital skin

Rios-Yuil, J. M., Herrera-Gonzalez, N. E., Aguilar-Faisal, J. L., Lara-Padilla, E., Mercadillo-Perez, P., Moreno-Lopez, L. M., Marquez-Ramirez, A. K., Saldaña-Patiño, A. & Rubio-Gayosso, I., 2014, En: *Indian Journal of Dermatology, Venereology and Leprology*. 80, 4, p. 381 1 p.

Effects of (-)-epicatechin and derivatives on nitric oxide mediated induction of mitochondrial proteins

Moreno-Ulloa, A., Cid, A., Rubio-Gayosso, I., Ceballos, G., Villarreal, F. & Ramirez-Sanchez, I., 1 ago. 2013, En: *Bioorganic and Medicinal Chemistry Letters*. 23, 15, p. 4441-4446 6 p.

Williams' neural stem cells: New model for insight into microRNA dysregulation

Palacios-Reyes, C., Espinosa, A., Contreras, A., Ordonez, R., Hidalgo-Miranda, A., Rubio-Gayosso, I., Garcia-Alonso, P., Benitez-King, G., Ramirez-Rodriguez, G., Najera, N., Ita-Islas, I., Araujo, A., Romero-Cordoba, S. & Palma, I., 1 jun. 2013, En: *Frontiers in Bioscience - Elite*. 5 E, 3, p. 1057-1073 17 p.

Testosterone metabolites mediate its effects on myocardial damage induced by ischemia/reperfusion in male Wistar rats

Rubio-Gayosso, I., Ramirez-Sanchez, I., Ita-Islas, I., Ortiz-Vilchis, P., Gutierrez-Salmean, G., Meaney, A., Palma, I., Olivares, I., Garcia, R., Meaney, E. & Ceballos, G., mar. 2013, En: *Steroids*. 78, 3, p. 362-369 8 p.

Mannose polymer induces vasodilation through a luminal mannose receptor in rat mesenteric arteries

Guevara-Balcazar, G., Rubio-Gayosso, I., Miliar-Garcia, A., Castillo, C., Ramirez-Sanchez, I., Meaney, E., Meaney, A., Gomez, E., Rubio, R. & Ceballos, G., 1 may. 2008, En: *Frontiers in Bioscience*. 13, 14, p. 5294-5303 10 p.

Intraluminal-restricted 17 β -estradiol exerts the same myocardial protection against ischemia/reperfusion injury in vivo as free 17 β -estradiol

Rodriguez-Hernandez, A., Rubio-Gayosso, I., Ramirez, I., Ita-Islas, I., Meaney, E., Gaxiola, S., Meaney, A., Asbun, J., Figueroa-Valverde, L. & Ceballos, G., may. 2008, En: *Steroids*. 73, 5, p. 528-538 11 p.

Reactive oxygen species mediate modification of glycocalyx during ischemia-reperfusion injury

Rubio-Gayosso, I., Platts, S. H. & Duling, B. R., jun. 2006, En: *American Journal of Physiology - Heart and Circulatory Physiology*. 290, 6, p. H2247-H2256

Enzymatic hydrolysis of luminal coronary glycosidic structures uncovers their role in sensing coronary flow.
Rubio-Gayosso, I., Barajas-Espinosa, A., Castillo-Hernandez, J., Ramiro-Diaz, J., Ceballos, G. & Rubio, R., 2005, En: Frontiers in Bioscience. 10, p. 1050-1059 10 p.

Acute effects of testosterone on intracellular Ca^{2+} kinetics in rat coronary endothelial cells are exerted via aromatization to estrogens

Sierra-Ramírez, A., Morato, T., Campos, R., Rubio, I., Calzada, C., Méndez, E. & Ceballos, G., jul. 2004, En: American Journal of Physiology - Heart and Circulatory Physiology. 287, 1 56-1, p. H63-H71

Intracoronary Angiotensin II causes inotropic and vascular effects via different paracrine mechanisms

Castillo-Hernandez, J. R., Rubio-Gayosso, I., Sada-Ovalle, I., Garcia-Vazquez, A., Ceballos, G. & Rubio, R., may. 2004, En: Vascular Pharmacology. 41, 4-5, p. 147-158 12 p.

Spermine-induced negative inotropic effect in isolated rat heart, is mediated through the release of ATP

Guevara-Balcázar, G., Querejeta-Villagómez, E., Nuevo-Adalla, O., Orozco-Guillen, A., Rubio-Gayosso, I., Hernández-Castillo, J. R., Zamora-Garza, M. & Ceballos-Reyes, G., 1 jul. 2003, En: Biochemical Pharmacology. 66, 1, p. 157-161 5 p.

Testosterone inhibits bradykinin-induced intracellular calcium kinetics in rat aortic endothelial cells in culture

Rubio-Gayosso, I., Garcia-Ramirez, O., Gutierrez-Serdan, R., Guevara-Balcazar, G., Muñoz-García, O., Morato-Cartajena, T., Zamora-Garza, M. & Ceballos-Reyes, G., 2002, En: Steroids. 67, 5, p. 393-397 5 p.

17 β -estradiol increases intracellular calcium concentration through a short-term and nongenomic mechanism in rat vascular endothelium in culture

Rubio-Gayosso, I., Sierra-Ramírez, A., García-Vazquez, A., Martínez-Martínez, A., Muñoz-García, O., Morato, T. & Ceballos-Reyes, G., 2000, En: Journal of Cardiovascular Pharmacology. 36, 2, p. 196-202 7 p.

Acute and nongenomic effects of testosterone on isolated and perfused rat heart

Ceballos, G., Figueroa, L., Rubio, I., Gallo, G., García, A., Martínez, A., Yañez, R., Pérez, J., Morato, T. & Chamorro, G., may. 1999, En: Journal of Cardiovascular Pharmacology. 33, 5, p. 691-697 7 p.

Rapid and possibly nongenomic effects of testosterone on isolated and perfused rat heart

Rubio, I., Yanez, R., Gallo, G., Almaguer, G., Garcia, A., Morato, T., Chamorro, G. & Ceballos, G., 1998, En: Proceedings of the Western Pharmacology Society. 41, p. 131-132 2 p.

Prensa/medios de comunicación

Instituto Politécnico Nacional Reports Findings in Life Science (Hyperbaric oxygenation applied before or after mild or hard stress: effects on the redox state in the muscle tissue)

IVAN RUBIO-GAYOSSO, Ivonne María Olivares Corichi, Pedro López Sánchez, María Del Carmen Castillo Hernández, Pedro Guevara López, Ruben García , Gustavo Guevara Balcázar & Alexandre Kormanovski Kovzova
11/01/23

1 elemento de Cobertura del medio de comunicación

Reports from Instituto Politécnico Nacional Describe Recent Advances in Asthma (Role of Sulfur Compounds in Garlic as Potential Therapeutic Option for Inflammation and Oxidative Stress in Asthma)

IVAN RUBIO-GAYOSSO

9/01/23

1 elemento de Cobertura del medio de comunicación