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Other IDs

Scopus Author ID: 34975051900

Countries

Costa Rica

Name
José María Gutiérrez

Also known as
Chema

Activities

Collapse all

Employment (1)

Sort

Universidad de Costa Rica: San José, San José, CR

1977-09-03 to present | Researcher/teacher (Instituto Clodomiro Picado)
Employment

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Source: José María Gutiérrez

Education and qualifications (2)

Sort

Oklahoma State University Stillwater: Stillwater, OK, US

1980-08-21 to 1984-01-20 | PhD (Physiological Sciences)
Education

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Source: José María Gutiérrez

Universidad de Costa Rica: San José, San José, CR

1972-03-08 to 1977-08-21 | Licenciatura (Facultad de Microbiología)
Education

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Source: José María Gutiérrez

Works (50 of 446)

Sort

Items per page: 50 1 – 50 of 446

Neutralization of toxic activities of Bothrops asper venom by plants of ethnomedical use in Central America: plants collected in Guatemala

Ciencia, Tecnología y Salud
2022-11-30 | Journal article
DOI: 10.36829/63CTS.v9i2.922
CONTRIBUTORS: Patricia Saravia-Otten; Jose M. Gutierrez; Yann-Oliver Hay; Armando Caceres

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Source: Crossref

Understanding and tackling snakebite envenoming with transdisciplinary research

PLOS Neglected Tropical Diseases
2022-11-17 | Journal article
DOI: 10.1371/journal.pntd.0010897
CONTRIBUTORS: José María Gutiérrez; Wuelton Marcelo Monteiro; Juliette Borri; Tamara Giles-Vernick; Romain Duda; Abdulrazaq G. Habib; Anita Malhotra; Gerardo Martín; Anna F. V. Pintor; Julien Potet et al.

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Source: Crossref

Longitudinal Metabolomics and Lipidomics Analyses Reveal Alterations Associated with Envenoming by Bothrops asper and Daboia russelii in an Experimental Murine Model

Toxins
2022-09 | Journal article | *Author*
DOI: 10.3390/toxins14100657
CONTRIBUTORS: Nishikant Wase; José María Gutiérrez; Alexandra Rucavado; Jay W. Fox

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Source: Multidisciplinary Digital Publishing Institute ★Preferred source (of 2)

Recovery from the Neuroparalysis Caused by the Micrurus nigrocinctus Venom Is Accelerated by an Agonist of the CXCR4 Receptor

Toxins
2022-08-02 | Journal article
DOI: 10.3390/toxins14080531
CONTRIBUTORS: Marco Stazi; Federico Fabris; Julián Fernández; Giorgia D'Este; Michela Rigoni; Aram Megighian; José María Gutiérrez; Bruno Lomonte; Cesare Montecucco

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Source: Crossref ★Preferred source (of 2)

Coagulopathy induced by viperid snake venoms in a murine model: Comparison of standard coagulation tests and rotational thromboelastometry

Toxicon
2022-07 | Journal article
DOI: 10.1016/j.toxicon.2022.05.042
CONTRIBUTORS: Alexandra Rucavado; Mariela Chacón; Daniela Villalobos; Ivette Argüello; Marlen Campos; German Guerrero; Marilla Lamela Méndez; Teresa Escalante; José María Gutiérrez

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Source: Crossref

Effect of the phospholipase A2 inhibitor Varespladib, and its synergism with crotalic antivenom, on the neuromuscular blockade induced by Crotalus durissus terrificus venom (with and without crotamine) in mouse neuromuscular preparations

Toxicon
2022-07 | Journal article
DOI: 10.1016/j.toxicon.2022.05.001
CONTRIBUTORS: Jocimar de Souza; Isadora C.F. Oliveira; Edson H. Yoshida; Nathalia M. Cantuaria; José C. Cogo; Kristian A. Torres-Bonilla; Stephen Hyslop; Nelson J. Silva Junior; Rafael S. Floriano; José María Gutiérrez et al.

Show more detail

Source: Crossref

Venomous animals in a changing world

Global Change Biology
2022-06 | Journal article
DOI: 10.1111/gcb.16175
CONTRIBUTORS: Pablo Ariel Martinez; José Maria Gutiérrez; Miguel Ángel Olalla-Tárraga; Talita Ferreira Amado

Show more detail

Source: Crossref

A transdisciplinary approach to snakebite envenoming

Toxicon: X
2022-03 | Journal article
DOI: 10.1016/j.toxcx.2021.100088
CONTRIBUTORS: Rafael Ruiz de Castañeda; Isabelle Bolon; José María Gutiérrez

Show more detail

Source: Crossref

Assessing a 6-h endpoint observation time in the lethality neutralization assay used to evaluate the preclinical efficacy of snake antivenoms

Toxicon: X
2021-11 | Journal article
DOI: 10.1016/j.toxcx.2021.100087
CONTRIBUTORS: Gina Durán; Gabriela Solano; Aarón Gómez; Daniel Cordero; Adriana Sánchez; Mauren Villalta; Melvin Sánchez; Cecilia Díaz; José María Gutiérrez; Guillermo León

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Source: Crossref

Instituto Butantan and Instituto Clodomiro Picado: A long-standing partnership in science, technology, and public health

Toxicon
2021-10 | Journal article
DOI: 10.1016/j.toxicon.2021.09.007
CONTRIBUTORS: José María Gutiérrez; Catarina F.P. Teixeira; Hui Wen Fan

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Source: Crossref

Cytotoxicity of snake venom Lys49 PLA2-like myotoxin on rat cardiomyocytes ex vivo does not involve a direct action on the contractile apparatus

Scientific Reports
2021-09-30 | Journal article
DOI: 10.1038/s41598-021-98594-5
CONTRIBUTORS: Alfredo Jesús López-Dávila; Natalie Weber; Theresia Kraft; Faramarz Matinmehr; Mariela Arias-Hidalgo; Julián Fernández; Bruno Lomonte; José María Gutiérrez

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Source: Crossref

Basement membrane degradation and inflammation play a role in the pulmonary hemorrhage induced by a P-III snake venom metalloproteinase

Toxicon
2021-07 | Journal article
DOI: 10.1016/j.toxicon.2021.04.012
CONTRIBUTORS: Ana Cristina Castro; Teresa Escalante; Alexandra Rucavado; José María Gutiérrez

Show more detail

Source: Crossref

The Search for Natural and Synthetic Inhibitors That Would Complement Antivenoms as Therapeutics for Snakebite Envenoming

Toxins
2021-06-29 | Journal article
DOI: 10.3390/toxins13070451
CONTRIBUTORS: José María Gutiérrez; Laura-Oana Albulescu; Rachel H. Clare; Nicholas R. Casewell; Tarek Mohamed Abd El-Aziz; Teresa Escalante; Alexandra Rucavado

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Source: Crossref ★Preferred source (of 2)

Appraisal of antivenom production in public laboratories in Latin America during the first semester of 2020: The impact of COVID-19

PLOS Neglected Tropical Diseases
2021-06-17 | Journal article
DOI: 10.1371/journal.pntd.0009469
CONTRIBUTORS: José María Gutiérrez; Elda Eliza Sanchez; Larissa Zanette; Marco Antonio Natal Vigilato; Julio Cesar Augusto Pompei; Diogo Martins; Hui Wen Fan

Show more detail

Source: Crossref

PLOS Neglected Tropical Diseases broadens its coverage of envenomings caused by animal bites and stings

PLOS Neglected Tropical Diseases
2021-06-17 | Journal article
DOI: 10.1371/journal.pntd.0009481
CONTRIBUTORS: José María Gutiérrez; Paul J. Brindley; Jean Philippe Chippaux; Geoffrey K. Isbister

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Source: Crossref

Pan-American Lancehead Pit-Vipers: Coagulotoxic Venom Effects and Antivenom Neutralisation of Bothrops asper and B. atrox Geographical Variants

Toxins
2021-01-22 | Journal article
DOI: 10.3390/toxins13020078
CONTRIBUTORS: Lachlan A. Bourke; Christina N. Zdenek; Edgar Neri-Castro; Melisa Bénard-Valle; Alejandro Alagón; José María Gutiérrez; Eladio F. Sanchez; Matt Aldridge; Bryan G. Fry

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Source: Crossref ★Preferred source (of 2)

Enzyme immunoassays for detection and quantification of venoms of Sri Lankan snakes: Application in the clinical setting

PLOS Neglected Tropical Diseases
2020-10-05 | Journal article
DOI: 10.1371/journal.pntd.0008668
CONTRIBUTORS: Kalana Prasad Maduwage; Nicholas R. Casewell; Indika Bandara Gawarammana; José María Gutiérrez; Chaminda Kottege; Rohana Dayaratne; Nuwan Prasada Premawardena; Sujeewa Jayasingha

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Source: Crossref

An in vitro α-neurotoxin—nAChR binding assay correlates with lethality and in vivo neutralization of a large number of elapid neurotoxic snake venoms from four continents

PLOS Neglected Tropical Diseases
2020-08-28 | Journal article
DOI: 10.1371/journal.pntd.0008581
CONTRIBUTORS: Kritsada Pruksaphon; Stuart Robert Ainsworth; Kae Yi Tan; Choo Hock Tan; Pavinee Simsiriwong; José María Gutiérrez; Kavi Ratanabanangkoon

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Source: Crossref

Novel Snakebite Therapeutics Must Be Tested in Appropriate Rescue Models to Robustly Assess Their Preclinical Efficacy

Toxins
2020-08-19 | Journal article
DOI: 10.3390/toxins12090528
CONTRIBUTORS: Cecilie Knudsen; Nicholas R. Casewell; Bruno Lomonte; José María Gutiérrez; Sakthivel Vaiyapuri; Andreas H. Laustsen

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Source: Crossref ★Preferred source (of 2)

A Lipidomic Perspective of the Action of Group IIA Secreted Phospholipase A₂ on Human Monocytes: Lipid Droplet Biogenesis and Activation of Cytosolic Phospholipase A₂α

Biomolecules
2020-06 | Journal article | *Author*
DOI: 10.3390/biom10060891
CONTRIBUTORS: Juan P. Rodríguez; Elbio Leiguez; Carlos Guijas; Bruno Lomonte; José María Gutiérrez; Catarina Teixeira; María A. Balboa; Jesús Balsinde

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Source: Multidisciplinary Digital Publishing Institute ★Preferred source (of 2)

An interactive database for the investigation of high-density peptide microarray guided interaction patterns and antivenom cross-reactivity

PLOS Neglected Tropical Diseases
2020-06-24 | Journal article
DOI: 10.1371/journal.pntd.0008366
CONTRIBUTORS: Kamille E. Krause; Abdallah M. Samy; Timothy P. Jenkins; Carina Skaarup; Mikael Engmark; Nicholas R. Casewell; Stuart Ainsworth; Bruno Lomonte; Julián Fernández; José M. Gutiérrez et al.

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Source: Crossref

Varespladib (LY315920) and Methyl Varespladib (LY333013) Abrogate or Delay Lethality Induced by Presynaptically Acting Neurotoxic Snake Venoms

Toxins
2020-02 | Journal article | *Author*
DOI: 10.3390/toxins12020131
CONTRIBUTORS: José María Gutiérrez; Lewin MR; David Williams; Bruno Lomonte

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Circumstances and Consequences of Snakebite Envenomings: A Qualitative Study in South-Eastern Costa Rica

Toxins
2020-01-11 | Journal article
DOI: 10.3390/toxins12010045
CONTRIBUTORS: Jazmín Arias-Rodríguez; José María Gutiérrez

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Source: Crossref

Phylovenomics of Daboia russelii across the Indian subcontinent. Bioactivities and comparative in vivo neutralization and in vitro third-generation antivenomics of antivenoms against venoms from India, Bangladesh and Sri Lanka

Journal of Proteomics
2019-09 | Journal article
DOI: 10.1016/j.jprot.2019.103443
CONTRIBUTORS: Davinia Pla; Libia Sanz; Sarai Quesada-Bernat; Mauren Villalta; Joshua Baal; Mohammad Abdul Wahed Chowdhury; Guillermo León; José M. Gutiérrez; Ulrich Kuch; Juan J. Calvete

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Source: Crossref

Defining the pathogenic threat of envenoming by South African shield-nosed and coral snakes (genus Aspidelaps), and revealing the likely efficacy of available antivenom

Journal of Proteomics
2019-04 | Journal article
DOI: 10.1016/j.jprot.2018.09.019
CONTRIBUTORS: Gareth Whiteley; Nicholas R. Casewell; Davinia Pla; Sarai Quesada-Bernat; Rhiannon A.E. Logan; Fiona M.S. Bolton; Simon C. Wagstaff; José M. Gutiérrez; Juan J. Calvete; Robert A. Harrison

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Source: Crossref

Proteomic Analysis of Human Blister Fluids Following Envenomation by Three Snake Species in India: Differential Markers for Venom Mechanisms of Action

Toxins
2019-04-30 | Journal article
DOI: 10.3390/toxins11050246
CONTRIBUTORS: Jéssica K. A. Macêdo; Joseph K. Joseph; Jaideep Menon; Teresa Escalante; Alexandra Rucavado; José María Gutiérrez; Jay W. Fox

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Source: Crossref ★Preferred source (of 2)

A multi-sectorial approach for addressing the problem of snakebite envenoming in Honduras

Toxicon
2019-03 | Journal article
DOI: 10.1016/j.toxicon.2019.01.005
CONTRIBUTORS: Jackeline Alger; Eduardo Enrique Boza-Oviedo; Rosa Elena Mejía; Fanny Navas; Perla Simons-Morales; Reina Teresa Velázquez; José María Gutiérrez

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Source: Crossref

Neutralizing properties of LY315920 toward snake venom group I and II myotoxic phospholipases A2

Toxicon
2019-01 | Journal article
DOI: 10.1016/j.toxicon.2018.11.292
CONTRIBUTORS: Wendy Bryan-Quirós; Julián Fernández; José María Gutiérrez; Matthew R. Lewin; Bruno Lomonte

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Source: Crossref

Third-generation antivenomics analysis of the preclinical efficacy of Bothrofav® antivenom towards Bothrops lanceolatus venom

Toxicon: X
2019-01 | Journal article
DOI: 10.1016/j.toxcx.2018.100004
CONTRIBUTORS: Davinia Pla; Yania Rodríguez; Dabor Resiere; Hossein Mehdaoui; José María Gutiérrez; Juan J. Calvete

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Source: Crossref

Global Availability of Antivenoms: The Relevance of Public Manufacturing Laboratories

Toxins
2018-12 | Journal article | *Author*
DOI: 10.3390/toxins11010005
CONTRIBUTORS: José María Gutiérrez

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Source: Multidisciplinary Digital Publishing Institute

Delayed LY333013 (Oral) and LY315920 (Intravenous) Reverse Severe Neurotoxicity and Rescue Juvenile Pigs from Lethal Doses of Micrurus fulvius (Eastern Coral Snake) Venom

Toxins
2018-11 | Journal article | *Author*
DOI: 10.3390/toxins10110479
CONTRIBUTORS: Matthew R. Lewin; Lyndi L. Gilliam; John Gilliam; Stephen P. Samuel; Tommaso Bulfone; Philip E. Bickler; José María Gutiérrez

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Source: Multidisciplinary Digital Publishing Institute

Innovative Immunization Strategies for Antivenom Development

Toxins
2018-11 | Journal article | *Author*
DOI: 10.3390/toxins10110452
CONTRIBUTORS: Erick Bermúdez-Méndez; Albert Fuglsang-Madsen; Sofie Føns; Bruno Lomonte; José María Gutiérrez; Andreas Hougaard Laustsen

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Source: Multidisciplinary Digital Publishing Institute

Delayed Oral LY333013 Rescues Mice from Highly Neurotoxic, Lethal Doses of Papuan Taipan (Oxyuranus scutellatus) Venom

Toxins
2018-09 | Journal article | *Author*

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DOI: 10.3390/toxins10100380
CONTRIBUTORS: Matthew R. Lewin; José María Gutiérrez; Stephen P. Samuel; María Herrera; Wendy Bryan-Quirós; Bruno Lomonte; Philip E. Bickler; Tommaso Bulfone; David Williams

Source: Multidisciplinary Digital Publishing Institute

Oral Microbiota of the Snake Bothrops lanceolatus in Martinique

International Journal of Environmental Research and Public Health
2018-09 | Journal article | *Author*
Show more detail
DOI: 10.3390/ijerph15102122
CONTRIBUTORS: Dabor Resiere; Claude Olive; Hatem Kallel; André Cabié; Rémi Névière; Bruno Mégarbane; José María Gutiérrez; Hossein Mehdaoui

Source: Multidisciplinary Digital Publishing Institute

Unresolved issues in the understanding of the pathogenesis of local tissue damage induced by snake venoms

Toxicon
2018-06 | Journal article
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DOI: 10.1016/j.toxicon.2018.04.016
CONTRIBUTORS: José María Gutiérrez; Alexandra Rucavado; Teresa Escalante; Cristina Herrera; Julián Fernández; Bruno Lomonte; Jay W. Fox

Source: Crossref

A Snake Venom-Secreted Phospholipase A2 Induces Foam Cell Formation Depending on the Activation of Factors Involved in Lipid Homeostasis

Mediators of Inflammation
2018-06-14 | Journal article
Show more detail
DOI: 10.1155/2018/2547918
CONTRIBUTORS: Elbio Leiguez; Karina Cristina Giannotti; Mariana do Nascimento Viana; Márcio Hideki Matsubara; Cristina Maria Fernandes; José Maria Gutiérrez; Bruno Lomonte; Catarina Teixeira

Source: Crossref

Preclinical assessment of the neutralizing efficacy of snake antivenoms in Latin America and the Caribbean: A review

Toxicon
2018-05 | Journal article
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DOI: 10.1016/j.toxicon.2018.02.053

CONTRIBUTORS: José María Gutiérrez

Source: Crossref

Severe snakebite envenomation in French Guiana: When antivenom is not available

Toxicon
2018-05 | Journal article
DOI: 10.1016/j.toxicon.2018.04.004
CONTRIBUTORS: Hatem Kallel; Claire Mayence; Stéphanie Houcke; Cyrille Mathien; Hossein Mehdaoui; José María Gutiérrez; Bruno Megarbane; Didier Hommel; Dabor Resiere

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Source: Crossref

Why is Skeletal Muscle Regeneration Impaired after Myonecrosis Induced by Viperid Snake Venoms?

Toxins
2018-05 | Journal article
DOI: 10.3390/toxins10050182

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Source: Multidisciplinary Digital Publishing Institute

Exploring the venom of the forest cobra snake: Toxicovenomics and antivenom profiling of Naja melanoleuca

Journal of Proteomics
2017 | Journal article
DOI: 10.1016/j.jprot.2016.08.024
EID: 2-s2.0-84986556449
CONTRIBUTORS: Lauridsen, L.P.; Laustsen, A.H.; Lomonte, B.; Gutiérrez, J.M.

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Source: José María Gutiérrez *via* Scopus - Elsevier

Proteomics and antivenomics of Papuan black snake (Pseudechis papuanus) venom with analysis of its toxicological profile and the preclinical efficacy of Australian antivenoms

Journal of Proteomics
2017 | Journal article
DOI: 10.1016/j.jprot.2016.09.007
EID: 2-s2.0-84988935699
CONTRIBUTORS: Pla, D.; Bande, B.W.; Welton, R.E.; Paiva, O.K.; Sanz, L.; Segura, Á.; Wright, C.E.; Calvete, J.J.; Gutiérrez, J.M.; Williams, D.J.

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Source: José María Gutiérrez *via* Scopus - Elsevier

An improved technique for the assessment of venom-induced haemorrhage in a murine model

Toxicon
2017-12 | Journal article
DOI: 10.1016/j.toxicon.2017.10.005
CONTRIBUTORS: Timothy P. Jenkins; Andrés Sánchez; Álvaro Segura; Mariángela Vargas; María Herrera; Trenton K. Stewart; Guillermo León; José María Gutiérrez

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Source: Crossref

Cross-reactivity and cross-immunomodulation between venoms of the snakes Bothrops asper, Crotalus simus and Lachesis stenophrys, and its effect in the production of polyspecific antivenom for Central America

Toxicon
2017-11 | Journal article
DOI: 10.1016/j.toxicon.2017.08.009
CONTRIBUTORS: Cynthia Arroyo; Sergio Solano; Álvaro Segura; María Herrera; Ricardo Estrada; Mauren Villalta; Mariángela Vargas; José María Gutiérrez; Guillermo León

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Source: Crossref

Peptidomimetic hydroxamate metalloproteinase inhibitors abrogate local and systemic toxicity induced by Echis ocellatus (saw-scaled) snake venom

Toxicon
2017-06 | Journal article
DOI: 10.1016/j.toxicon.2017.04.001
CONTRIBUTORS: Ana Silvia Arias; Alexandra Rucavado; José María Gutiérrez

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Source: Crossref

Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead

Toxins
2017-05 | Journal article
DOI: 10.3390/toxins9050163

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Source: Multidisciplinary Digital Publishing Institute

A comprehensive view of the structural and functional alterations of extracellular matrix by snake venom metalloproteinases (SVMPs): Novel perspectives on the pathophysiology of envenoming

Toxins
2016 | Journal article
DOI: 10.3390/toxins8100304
EID: 2-s2.0-84992752922
CONTRIBUTORS: Gutiérrez, J.M.; Escalante, T.; Rucavado, A.; Herrera, C.; Fox, J.W.

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Source: José María Gutiérrez *via* Scopus - Elsevier

Biochemical and biological characterization of Bothriechis schlegelii snake venoms from Colombia and Costa Rica

Experimental Biology and Medicine
2016 | Journal article
DOI: 10.1177/1535370216660214
EID: 2-s2.0-84994571240
CONTRIBUTORS: Prezotto-Neto, J.P.; Kimura, L.F.; Alves, A.F.; Gutiérrez, J.M.; Otero, R.; Suárez, A.M.; Santoro, M.L.; Barbaro, K.C.

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Source: José María Gutiérrez *via* Scopus - Elsevier

Characterization of a novel snake venom component: Kazal-type inhibitor-like protein from the arboreal pitviper Bothriechis schlegelii

Biochimie
2016 | Journal article
DOI: 10.1016/j.biochi.2016.03.004
EID: 2-s2.0-84962541812
CONTRIBUTORS: Fernández, J.; Gutiérrez, J.M.; Calvete, J.J.; Sanz, L.; Lomonte, B.

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Source: José María Gutiérrez *via* Scopus - Elsevier

Combined venomics, venom gland transcriptomics, bioactivities, and antivenomics of two Bothrops jararaca populations from geographic isolated regions within the Brazilian Atlantic rainforest

Journal of Proteomics

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2016 | Journal article
DOI: 10.1016/j.jprot.2015.04.029
EID: 2-s2.0-84960799174
CONTRIBUTORS: Gonçalves-Machado, L.; Pla, D.; Sanz, L.; Jorge, R.J.B.; Leitão-De-Araújo, M.; Alves, M.L.M.; Alvares, D.J.; De Miranda, J.; Nowatzki, J.; de Morais-Zani, K. et al.

Source: José María Gutiérrez *via* Scopus - Elsevier

Development of a chicken-derived antivenom against the taipan snake (Oxyuranus scutellatus) venom and comparison with an equine antivenom

Toxicon
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2016 | Journal article
DOI: 10.1016/j.toxicon.2016.06.018
EID: 2-s2.0-84978792086
CONTRIBUTORS: Navarro, D.; Vargas, M.; Herrera, M.; Segura, Á.; Gómez, A.; Villalta, M.; Ramírez, N.; Williams, D.; Gutiérrez, J.M.; León, G.

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Peer review (2)

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› Review activity for **PLoS neglected tropical diseases** (1)

› Review activity for **Toxins.** (1)

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