



An alternative micromethod to access the procoagulant activity of *Bothrops jararaca* venom and the efficacy of antivenom

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Short communication

Beta-defensin genes of the Colubridae snakes *Phalotris mertensi*, *Thamnodynastes hypoconia*, and *T. strigatus*

Yago Santana de Oliveira, Poliana G. Corrêa, Nancy Oguiura*



Ecology and Evolution Laboratory – Instituto Butantan, Av. Dr. Vital Brasil 1500, 05503-900 São Paulo, Brazil

Behavioural Brain Research 196 (2009) 63–70



Research report

Antinociception induced by epidural motor cortex stimulation in naïve conscious rats is mediated by the opioid system

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Preliminary molecular characterization of a proinflammatory and nociceptive molecule from the *Echinometra lucunter* spines extracts

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and Daniel Carvalho Pimenta¹

Isolation and Characterization of IgM and IgY Antibodies from Plasma of Magellanic Penguins (*Spheniscus magellanicus*)

Camila C. Bizelli,^A Sandriana R. Silva,^{AB} Jessica D. da Costa,^A Ralph E. T. Vanstreels,^C Marina V. Atzingen,^A Marcelo L. Santoro,^D Irene Fernandes,^A José L. Catão-Dias,^C and Eliana L. Faquim-Mauro^{A,E}

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Echinometrin: A novel mast cell degranulating peptide from the coelomic liquid of *Echinometra lucunter* sea urchin



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Brief Communication

Pro-inflammatory effects of the aqueous extract of *Echinometra lucunter* sea urchin spines

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ORIGINAL ARTICLE

Involvement of circulating platelets on the hyperalgesic response evoked by carrageenan and *Bothrops jararaca* snake venom

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Review

Geometric morphometrics in mosquitoes: What has been measured?

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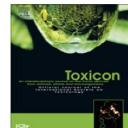
^b Instituto de Ciências Biomédicas, Universidade de São Paulo, Av. Prof. Lineu Prestes 1374, Butantã, São Paulo, SP CEP 05508-900, Brazil

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Toxicon 58 (2011) 147–153



The influence of environmental bacteria in freshwater stingray wound-healing

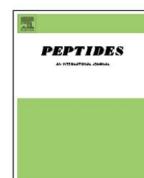
Marta O. Domingos ^{a,*}, Márcia R. Franzolin ^a, Marina Tavares dos Anjos ^a, Thais M.P. Franzolin ^a, Rosely Cabette Barbosa Albes ^b, Gabrielle Ribeiro de Andrade ^a, Rossivan J.L. Lopes ^a, Katia C. Barbaro ^c

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Antinociceptive effect of the C-terminus of murine S100A9 protein on experimental neuropathic pain

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Involvement of formyl peptide receptors in the stimulatory effect of crotoxin on macrophages co-cultivated with tumour cells

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SG-MEM-07 - O público do Museu de Microbiologia e suas concepções sobre microrganismos

Bezerra, B. O; Oliveira, A. D; Inglez, G. C; Gonçalves, V. M; Iszlaji, C; Cirilo, I.G;
Museu de Microbiologia, Instituto Butantan; Brasil

Palavras chaves: Museu, Educação, Exposição, Microbiologia

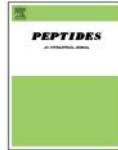
PEPTIDES 27 (2006) 2794–2802



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Effect of the C-terminus of murine S100A9 protein on experimental nociception

Camila Squarzoni Dale^a, Rosana de Lima Pagano^a, Carina Cicconi Paccolla^a,
Tatiana Pinotti-Guirao^a, Maria Aparecida Juliano^b, Luiz Juliano^b, Renata Giorgi^{a,*}

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Mem Inst Oswaldo Cruz, Rio de Janeiro, Vol. 101(8): 875-880, December 2006 875

Production, characterization, and application of antibodies against heat-labile type-I toxin for detection of enterotoxigenic *Escherichia coli*

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PLOS NEGLECTED TROPICAL DISEASES

Development of a Rapid Agglutination Latex Test for Diagnosis of Enteropathogenic and Enterohemorrhagic *Escherichia coli* Infection in Developing World: Defining the Biomarker, Antibody and Method

Letícia B. Rocha³, Anna R. R. Santos³, Danielle D. Munhoz, Lucas T. A. Cardoso, Daniela E. Luz,
Fernanda B. Andrade, Denise S. P. Q. Horton, Waldir P. Elias, Roxane M. F. Piazza*

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SCIENTIFIC REPORTS

OPEN

The *Schistosoma mansoni* genome encodes thousands of long non-coding RNAs predicted to be functional at different parasite life-cycle stages

Elton J. R. Vasconcelos^{1,2,3}, Lucas F. daSilva^{1,2}, David S. Pires¹, Guilherme M. Lavezzo^{1,2}, Adriana S. A. Pereira^{1,2}, Murilo S. Amaral^{1,2} & Sergio Verjovski-Almeida^{1,2*}

Next Generation Sequencing (NGS) strategies, like RNA-Seq, have revealed the transcription of a

Toxicology Research

[View Article Online](#)

DOI: 10.1039/C7TX00009J

Muscarinic effect of anhydroecgonine methyl ester, a crack cocaine pyrolysis product, impairs melatonin synthesis in the rat pineal gland.

Lívia Silva Medeiros de Mesquita^{*†}, Raphael Caio Tamborelli Garcia^{‡§}, Fernanda Gaspar Amaral^{¶¶}, Rafael Peres^{††}, Simone Miller Wood[‡], Rodrigo Vincenzo de Luca Lucena^{*}, Eduardo Osório Frare^{*}, Mariana Vieira Abrahão^{*}, Tania Marcourakis[‡], José Cipolla-Neto[‡], Solange Castro Afeche^{*}.

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Research Article

Modulation of Pineal Melatonin Synthesis by Glutamate Involves Paracrine Interactions between Pinealocytes and Astrocytes through NF-κB Activation

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TOXICON

www.elsevier.com/locate/toxicon

Sex-based individual variation of snake venom proteome among eighteen *Bothrops jararaca* siblings

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Article

pubs.acs.org/jpr

Proteomic and Glycoproteomic Profilings Reveal That Post-translational Modifications of Toxins Contribute to Venom Phenotype in Snakes

Débora Andrade-Silva,[†] André Zelani,^{†,‡} Eduardo S. Kitano,[†] Inácio L. M. Junqueira-de-Azevedo,[†] Marcelo S. Reis,[†] Aline S. Lopes,^{†,§} and Solange M. T. Serrano^{*,†}

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A Transcriptomic View of the Proteome Variability of Newborn and Adult *Bothrops jararaca* Snake Venoms

André Zelani^{1,2}, Débora Andrade-Silva¹, Marisa M. Rocha³, Maria F. Furtado³, Solange M. T. Serrano^{1,2*}, Inácio L. M. Junqueira-de-Azevedo^{1,4*}, Paulo Lee Ho^{2,4*}

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Proteoforms of the platelet-aggregating enzyme PA-BJ, a serine proteinase from *Bothrops jararaca* venom



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IN FOCUS

Bothrops protease A, a unique highly glycosylated serine proteinase, is a potent, specific fibrinogenolytic agent

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C. F. KLITZKE,^{*} A. C. M. CAMARGO^{*} and S. M. T. SERRANO^{*}

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Short communication

Cotiarinase is a novel prothrombin activator from the venom of *Bothrops cotiara*



Eduardo S. Kitano^a, Thalita C. Garcia^a, Milene C. Menezes^a, Alexandre K. Tashima^{a,b},
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Peptidomics of Three Bothrops Snake Venoms: Insights Into the Molecular Diversification of Proteomes and Peptidomes*

Alexandre K. Tashima†§, André Zelanis‡, Eduardo S. Kitano‡, Danielle Ianzer‡,
 Robson L. Melo‡, Vanessa Rioli‡, Sávio S. Sant'anna||, Ana C. G. Schenberg||,
 Antônio C. M. Camargo‡, and Solange M. T. Serrano‡**

Proteomics 2009, 9, 733–745

DOI 10.1002/pmic.200800484

733

RESEARCH ARTICLE

Analysis of the subproteomes of proteinases and heparin-binding toxins of eight Bothrops venoms

Adriana F. Paes Leme¹, Eduardo S. Kitano¹, Maria F. Furtado², Richard H. Valente³,
 Antonio C. M. Camargo¹, Paulo L. Ho⁴, Jay W. Fox⁵ and Solange M. T. Serrano¹

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³ Departamento de Fisiologia e Farmacodinâmica, Instituto Oswaldo Cruz, Fiocruz, Rio de Janeiro, Brazil

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Journal of Thrombosis and Haemostasis, 6: 1363–1372

DOI: 10.1111/j.1538-7836.2008.02995.x

IN FOCUS

Bothrops protease A, a unique highly glycosylated serine proteinase, is a potent, specific fibrinogenolytic agent

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 C. F. KLITZKE,* A. C. M. CAMARGO* and S. M. T. SERRANO*

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Peripheral Sensitization Increases Opioid Receptor Expression and Activation by Crotalphine in Rats

Vanessa Olzon Zambelli¹, Ana Carolina de Oliveira Fernandes¹, Vanessa Pacciari Gutierrez¹,
Julio Cesar Batista Ferreira², Carlos Amilcar Parada³, Daria Mochly-Rosen⁴, Yara Cury^{1*}

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British Journal of
Pharmacology

RESEARCH PAPER

Peripheral interactions between cannabinoid and opioid systems contribute to the antinociceptive effect of crotalphine

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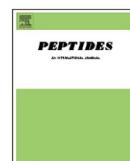
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Effect of the C-terminus of murine S100A9 protein on experimental nociception

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Tatiana Pinotti-Guirao^a, Maria Aparecida Juliano^b, Luiz Juliano^b, Renata Giorgi^{a,*}

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