

Fabian Villalta-Romero, PhD

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Education

Research Experience

- Feb 2012 – Feb 2016* **PhD Student**
University of Campinas, Departamento de Orgânica,
- Feb 2011 – Feb 2012* **Research Associate**
University of Costa Rica,
- Sep 2009 – Feb 2010* **Master's Student**
Universidad de Costa Rica
Instituto Clodomiro Picado
Centro de Investigación Príncipe Felipe,

Statistics

RG Score 14.14
Publications 7
Reads 596
Citations 22

Skills & Activities

Skills Proteins, Enzymes, Protein Purification, Protein-Protein Interaction, Biochemistry, Enzyme Activity, SDS-PAGE, Protein Separation, Metalloproteinase, Biomolecules, Drug Design, Protein Structure, Serine Proteases, Proteolysis, Protein Characterization, Protein Chromatography, Protein Electrophoresis, Size Exclusion Chromatography, Protein Stability, Protein Science, Native PAGE, Structural Biology, Silica Nanoparticles, Computational Biology, Enzymology, Protein Biochemistry

Languages English, Portuguese, Spanish

Journal Publications

- Fabian Villalta-Romero, Luiz Borro, Boris Mandic, Teresa Escalante, Alexandra Rucavado, Jose María Gutiérrez, Goran Neshich, Ljubica Tasic: *Discovery of small molecule inhibitors for the snake venom metalloprotease BaP1 using in silico and in vitro tests*. *Bioorganic & medicinal chemistry letters* 03/2017; 27(9)., DOI:10.1016/j.bmcl.2017.03.007
- Erika Camacho, Libia Sanz, Teresa Escalante, Alicia Pérez, Fabián Villalta, Bruno Lomonte, Ana Gisele C. Neves-Ferreira, Andrés Feoli, Juan J. Calvete, José María Gutiérrez, Alexandra Rucavado: *Novel Catalytically-Inactive PII Metalloproteinases from a Viperid Snake Venom with Substitutions in the Canonical Zinc-Binding Motif*. *Toxins* 10/2016; 8(10):292., DOI:10.3390/toxins8100292
- Juliano S. Mendes, André da S. Santiago, Marcelo A. S. Toledo, Luciana K. Rosselli-Murai, Marianna T. P. Favaro, Clelton A. Santos, Maria Augusta C. Horta, Aline Crucello, Lilian L. Beloti, Fabian Romero, Ljubica Tasic, Alessandra A. de Souza, Anete P. de Souza: *VapD in Xylella fastidiosa Is a Thermostable Protein with Ribonuclease Activity*. *PLoS ONE* 12/2015; 10(12):e0145765., DOI:10.1371/journal.pone.0145765
- Izabella Agostinho Pena Neshich, Leticia Nishimura, Fabio Rogerio de Moraes, Jose Augusto Salim, Fabian Villalta-Romero, Luiz Borro, Inacio Henrique Yano, Ivan Mazoni, Ljubica Tasic, Jose Gilberto Jardine, Goran Neshich: *Computational Biology Tools for Identifying Specific Ligand Binding Residues for Novel Agrochemical and Drug Design*. *Current Protein and Peptide Science* 05/2015; 16(8)., DOI:10.2174/1389203716666150505234923
- Amauri Jardim Paula, Camila P. Silveira, Diego Stéfani Teodoro Martinez, Antonio Gomes Souza Filho, Fabian Villalta Romero, Leandro C. Fonseca, Ljubica Tasic, Oswaldo Luiz Alves, Nelson Duran: *Topography-driven bionano-interactions on colloidal silica nanoparticles*. *ACS Applied Materials & Interfaces* 02/2014; 6(5)., DOI:10.1021/am405594q
- Fabián Villalta-Romero, Anna Gortat, Andrés E. Herrera, Rebeca Arguedas, Javier Quesada, Robson Lopes de Melo, Juan J. Calvete, Mavis Montero, Renato Murillo, Alexandra Rucavado, José María Gutiérrez, Enrique Pérez-Payá: *Identification of New Snake Venom Metalloproteinase Inhibitors Using Compound Screening and Rational Peptide Design*. *ACS Medicinal Chemistry Letters* 06/2012; 3(7)., DOI:10.1021/ml300068r