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- H-89 **Spectrophotometric Biosensor for Flow Injection Analysis of Glucose on Real Samples.**  
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- H-90 **Serine Proteinase (Trypsin) Inhibitor from Equine Seminal Plasma**  
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- H-91 **Specific primer design for molecular detection of aflatoxigenic strains of *Aspergillus flavus*.**  
*Miller, R.N.G.; Vidigal, B.S.; Midorikawa, G.E.O.; Ribas, S.M.C.; Freire, F.*
- H-92 **Identification of NBS-LRR type Resistance Gene Analogs in *Musa acuminata* ssp. *Burmannicoides* var. *Calcutta 4***  
*Passos, M.A.N.; Bertoli, D.J.; Pappas Jr, G.J.; Miller, R.N.G.*
- H-93 **Adjuvant Activity of Two Isolated Proteins from *Bordetella pertussis*: Humoral Immune Response and Immunoglobulins Isotypes**  
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- H-94 **IMMUNOGENICITY OF A DLC PARALOG FROM *Schistosoma mansoni* IN MICE. CHALLENGE ASSAY TO INVESTIGATE PROTECTION AGAINST CERCARIA INFECTION**  
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- H-95 **Effect of ethidium bromide on the growth and production of laccases by the fungus *Botryosphaeria rhodina*.**  
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- H-97 **Quantification of lipopolysaccharide (LPS) in Vaccines by HPAEC-PAD**  
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- H-98 **Studies about the schistomicidal activity of the *Cratylia mollis* lectin**  
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- H-99 **Development of *Pseudomonas* sp. and the fungi *Geotrichum candidum*, and *Phanerochaete chrysosporium* on agrochemicals and effluent of sugar-alcohol industry**  
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- H-100 **Low expression of MRP1/GS-X pump ATPase in lymphocytes of Walker 256 tumor-bearing rats is associated with cyclopentenone prostaglandin accumulation and cancer immunodeficiency.**  
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- H-101 **The use of PVA-PANIG composite for affinity chromatography application**  
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- H-102 **Cashew apple commercial juices: ascorbic acid and other physicochemical parameters variation**  
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- H-104 **DELETION OF PUTATIVE ROX1 GENE IN THE YEAST *Kluyveromyces lactis* AND EXPRESSION ANALYSIS OF DEPENDENT KIROX1 GENES**  
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- H-105 **Intestine protease from Nile tilapia (*Oreochromis niloticus*, Chitralada strain) as potential additive in laundry industry**  
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- H-106 **Isolation and characterization of *Saccharomyces cerevisiae* strains from cachaça distilleries in the Minas Gerais state - Brazil**  
*Oliveira, V. A.; Vicente, M. A.; Coutrim, M. X.; Fietto, L. G. and Brandão, R. L.*
- H-107 **Complementation of ROX1 deletion gene on *Saccharomyces cerevisiae* by the putative ROX1 gene of *Kluyveromyces lactis*.**  
*MACEDO, C.S.; DINIZ, R.H.S.; HARAMI, T., BOLOTIN-FUKUHARA, M. and PASSOS, F. M.*
- H-108 **Spectroscopy characterization of the major components of Photogem extregistered**  
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- H-109 **Deletion of the *Saccharomyces cerevisiae* AGT1 gene renders cells incapable of maltotriose fermentation**  
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- H-110 **IMPROVEMENT OF A MATHEMATICAL MODEL DESCRIBING THE KINETICS OF GROWTH OF RHIZOPUS ORYZAE SUBJECTED TO TEMPERATURE VARIATIONS**  
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- H-111 **Three-Step Purification of F(ab)<sub>2</sub> Fragment**  
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- H-112 **Inoculum preparation method effects on *Bacillus thuringiensis* var. *israelensis* growth and sporulation**  
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- H-116 **CAROTENOIDS PIGMENTS FROM SHRIMP PROCESSING WASTE.**  
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- H-117 **ISOLATION AND CHARACTERIZATION OF CARBOHYDRATES PRESENT IN MELXI® PHYTOTHERAPIC SYRUP**  
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- H-118 **Stability and Properties of Tyrosinase from *Lentinula boryana***  
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- H-119 **Multiple protein forms of Lignin peroxidase (LiP) from *Streptomyces viridosporus* T7A**  
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- H-120 **Real Time PCR For Genotyping of  $\beta$ -defensin Gene Using Rotor Gene RG 3000**  
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- H-121 **Recombinant Difteria Protein (B-subunit): Partial purification from *Escherichia coli* inclusion body**  
Nascimento, H.J., Silva E.D., Luchesi, D.M., Nascimento, D.V., Armôa, G.R.G. and Silva Junior, J.G.

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- I-1 **THE BENEFICIAL OF ANTIOXIDANT AND MINERALS ON DIABETIC OSTEOPENIA: PRE-CLINICAL STUDY**  
Rezende, L. A.; Peruchi, J.; Oliveira, P. B.; Silva, D. G. C.; Braga Costa, T. M.; Bonato, P. B. P.; Gebara, F. D.; Almeida, M. G.; Rezende, A. A.
- I-2 **Insulin, calcium and calmodulin modulate activity and intracellular localization of human erythrocytes 6-phosphofructo-1-kinase**  
Patricia Zancan; Mauro Sola-Penna
- I-3 **Dengue Virus Infection Alters Energy Metabolism of Human Hepatoma Cell Line (HepG2)**  
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- I-4 **Regulation of human erythrocytes metabolism by insulin: cellular distribution of 6-phosphofructo-1-kinase and its implications to red blood cells functions**  
Patricia Zancan and Mauro Sola-Penna
- I-5 **Regulation of rabbit muscle 6-phosphofructo-1-kinase activity by lactate**  
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- I-6 **Modulation of muscle 6-phosphofructo-1-kinase activity by interaction with filamentous actin**  
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- I-7 **Evaluation of a Treatment with *Parkinsonia aculeata* Hydroalcoholic Extract in Normal and Diabetic Rats**  
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- I-8 **Sunflower Oil Supplemented Diet Increases Lecithin: Cholesterol Acyltransferase (LCAT) Activity and Lipid Levels in Plasma of Caprine (*Capra Hircus*)**  
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- I-9 **Hypoglycemic Effect from Leaf Ethanolic Extracts of *Bauhinia monandra* in Rats Subjected to Intrauterine Malnutrition**  
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- I-10 **Influence of Treatment with *Parkinsonia aculeata* Hydroalcoholic Extract on Glycogen Content and Organs in Treated and Non-Treated Diabetic Rats**  
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- I-11 **Switching the Mode of Sucrose Metabolism in the yeast *Saccharomyces cerevisiae***  
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- I-12 **Modulation of PPAR-gamma expression during the lipocyte differentiation of a hepatic stellate cells model**  
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- I-13 **Cellular distribution of phosphofructokinase activity in Human Hepatoma cells (HepG2) infected by Dengue virus serotype II.**  
Braga L.X.; El-Bacha T.; Sola-Penna M. and Da Poian A.T.
- I-14 **SIT4, a Ser-Thr type1/type 2A-related protein phosphatase is involved in regulation of carbohydrate metabolism**  
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- I-15 **Biochemical parameters after treatment with starch from *Solanum lycocarpum***  
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- I-16 **Chromatographic Profiles and Effects from Differents Aqueous Extracts of *Echinodorus macrophyllus* on Murine Splenocytes**  
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- I-17 **Ketogenic Diet Fed Rats Have Increased Fat Mass**  
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- I-18 **INVESTIGATION OF SELF-INHIBITION IN *Synechococcus* PCC 7942 and *Synechocystis* PCC 6803 CELLS AS A MECHANISM OF TOXIC BLOOM CONTROL**  
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- I-19 **THE EFFECT OF ACTIVATION OF HYPOTHALAMIC ACETYL-CoA CARBOXYLASE ON THE HEPATIC INSULIN SIGNALING**  
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- I-20 **EXERCISE TRAINING EFFECT ON INSULIN RESISTANCE: RELATIONSHIP TO VISCERAL FAT MASS AND PROFILE OF OXIDATIVE STATUS IN MICE**  
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- I-22 **METABOLIC CONTROL OF OXIDATIVE DAMAGE**  
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*Folador, P.; Araújo, L.; Horst, H.; Pizzolatti, M.G.; Figueiredo, M.S.R.B.; Silva, F.R.M.B.*
- I-26 **Acute stress effects on homocysteine levels in female rats**  
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- I-27 **CROMATOGRAPHIC ANALYSIS OF *Pterodon pubescens* SEEDS OIL (OPp) AND ITS FRACTIONS AND THEIR EFFECTS ON B LIMPLOCYTES PROLIFERATION**  
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- I-28  **$\alpha$ -METHYL GLUCOSIDE TRANSPORT in *Saccharomyces cerevisiae***  
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- I-29 **GLYCEMIC FLUCTUATION AND BLOOD LACTATE ANALYSES AT LONG ENDURANCE TEST: ACCURATE BIOCHEMICAL MARKERS TO IMPROVE EXERCISE EFFICIENCY**  
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- J-2 **Role of Casein Kinase 2 on cell cycle and interkinetic nuclear migration regulation in the developing retina**  
*A.C. Dudenhoefter-Carneiro; M.A.C. Silva-Neto; L. Frigel-Madeira and R. Linden*
- J-3 **Low molecular weight protein tyrosine phosphatase (LMW-PTP) activity in human osteoblasts hFOB 1.19 during cell cycle and differentiation.**  
*T.S.SOUZA; M.C.SOGAYAR; A.P. CAMPANELLI; J.M.GRANJEIRO*
- J-4 **EXTRACELLULAR MATRIX CONTROLS EXPRESSION OF VIMENTIN AND GFAP BY SPECIFICS PATHWAYS SINALIZATION IN U-87 HUMAN ASTROCYTOMA CELLS**  
*Garcez, R.C; Stimamiglio, MA; Trentin, AG; Alvarez-Silva, M*
- J-5 **Angiotensin-I Converting Enzyme Activity in Murine Long-Term Bone Marrow Cultures.**  
*Rocha, C.O.; Barbosa, C.M.V.; Carmona A. K.; Araújo, R.C.; Tersariol I.L.S.; Bincoletto; C.*
- J-6 **MITOGENIC EFFECTS OF TITYUS SERRULATUS AND TITYUS BAHIENSIS VENOM ON RINM5F RAT INSULINOMA BETA CELLS**  
*A.C.V. Campos, P.B. Santos, E. Kalapothakis, A.C. Goldberg and M.C. Sogayar*
- J-7 **Expression of MMP2, 9 and RECK during palatogenesis.**  
*Demarchi ACCO, Zambuzzi WF, Paiva KBS, Nunes F, Valenzuela MG, Sogayar MC, Granjeiro JM*
- J-8 **Growth of Human Fibroblastic Cells AS198 on Microcarriers Spinner Culture**  
*Mantovani MC, Bonaccorsi ED, Conceição MM, Chambergo FS, El-Dorry H, Pereira CA*
- J-9 **EFFECTS OF FIBRONECTIN AND PROTEOGLYCANS ON TRUE HISTIOCYTIC LYMPHOMA ADHESION AND PROLIFERATION**  
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- J-10 **Analysis of Pathways and Biological Responses of Rat Adrenal Primary Culture Cells Stimulated with ACTH and FGF2.**  
*Mattos, G.E.; Lotfi, C.F.P.*
- J-11 **CEPHALIC AND TRUNCAL MURINE NEURAL CREST STEM CELLS DIFFERENTIATION IS INFLUENCED BY THE EXTRACELLULAR MATRIX, IN VITRO**  
*Costa-Silva, B; Melo, F.R.; Neves, C.M.; Calloni, G.W.; Alvarez-Silva, M.; Trentin, A. G*
- J-12 **Phenotypic modulation induced by 8-bromoguanosine and guanosine in B16F10 melanoma cells**  
*Luvizon A.C.; Bacila Y.; de Moraes E.C.P.; Zanata, S.M.; Nakao, L.S.*
- J-13 **Extracellular Matrix Affects the Differentiation of Cephalic and Trunk Neural Crest Cells**  
*Calloni, G.W.; Neves, C. M.; Costa, M.C.Bittencourt, D. A.; Costa-Silva, B.; Trentin, A. G.; Alvarez-Silva, M.*
- J-14 **De Novo Synthesis and Recycling Pathways of Gangliosides in Myofibroblast and Lipocyte Phenotypes of a Liver Connective Tissue Cell Line (GRX).**  
*Trindade, V.M.T.; Aguirres, A.B.; Mello, P.A.; Andrade, C.M.B.; Guaragna, R.M.; Borojevic, R. and Guma, F.C.R.*
- J-15 **Differentially expressed sequences isolated during the larva to adult differentiation of the *Mesocostoides corti* (Platyhelminthes: Cestoda) cestode parasite.**  
*Cristiano V. Bizarro, Mário H. Bengtsonb, Felipe K. Ricachenevsky, Arnaldo Zaha, Mari C. Sogayarb, and Henrique B. Ferreira*
- J-16 **Preparation of Human Monocytes from Peripheral Blood**  
*Catalán, A.M.C.; Izumi, C.; Laure, H.J.; Orellana, M.D.; Oliveira, V.C.; Oliver, C.; Jamur, M.C.; Covas, D.T. and Greene, L. J.*
- J-17 **In vivo effects of the flavonoids quercetin and morin on low molecular weight phosphotyrosine protein phosphatase activities**  
*Camargo, C.A.; Sousa, R.R.R.; Araujo, D.R., da Silva, M.E.F., Miranda, M.A.; Granjeiro, J.M.; de Paula, E.; Meirelles, N.C.; Aoyama, H.*

- J-18** **Resveratrol modulates actin filaments and inhibits proliferation in GRX cell line.**  
*Souza, I.C.C.; Gerlach, A.; Martins, L.A.M.; Gottfried, C.; Borojevic, R.; Guaragna, R.M.; Guma, F.C.R.*
- J-19** **Cytotoxicity and antithrombotic potential of S-nitrosoglutathione in aqueous polymeric solutions**  
*Soraggi, C. L.; Shishido, S. M.; Marcondes, S.; Seabra, A. B.; Antunes, E.; de Oliveira, M. G.; Krieger, M. H.; Lemos, M. E.*
- J-20** **Isolation and analysis of Fibroblast Growth Factor-2 (FGF2) intracellular protein complexes in mouse cell lines**  
*Gilson M. Murata and Hugo A. Armelin*
- J-21** **Isolation and culture of human umbilical cord/placenta**  
*T.S. Jeremias, P.C. Antunes, A.G. Trentin, M. Alvarez-Silva.*
- J-22** **FGF-Receptor knockdown by RNAi in the mouse Y-1 adrenocortical cell line**  
*J. Salotti; I. T. Rebustini; H.A. Armelin*

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- K-2** **Lactate production retards, not causes, acidosis: a theoretical approach for physical education students.**  
*Hohl, R.; Silva, F.O.C.; Lazarim, F.L.; Tessutti, L.S.; Sarraipa, M.; Macedo, D.V.*
- K-3** **Lactate production retards, not causes, acidosis: a practical approach for physical education students.**  
*Silva, F.O.C.; Lazarim, F.L.; Tessutti, L.S.; Hohl, R.; Sarraipa, M.; Macedo, D.V.*
- K-4** **CONSTRUCTIVISM APPLIED TO THE DISCIPLINE: ADVANCED EDUCATION ON BIOCHEMISTRY**  
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*Lapouble, O.M.M.; Veloso, C.E.R.; Neves, G.R.; Castro, M.S.; Fontes, W.*
- K-8** **Multimedia Material to Help Photosynthesis Teaching in Regular and Distance Classes**  
*Costa, G.R.T.; Milhomem, D.A.; Lima, C.M.R.; Castro, M.S. and Fontes, W.*
- K-9** **Development of a virtual classroom to teach biochemistry**  
*Rodrigues, R.S.; Castro, M.S.; Fontes, W.*
- K-10** **INTERNET ASSISTED LEARNING OF BIOCHEMISTRY**  
*Lima, R.M., Gomes, M.C., Xavier-Filho, J., Oliveira, A.E.A. and Fernandes, K.V.S.*
- K-11** **The Influence of the Tutorial activity in the academic, didactic and social development of the tutors of biochemistry at UFV.**  
*Baracat-Pereira, M.C.; Carvalho, A.M.X.; Mendes, F.Q.; Sartori, M.A.; Costa, T.R.; Pereira, H.J.V.; Pinho, T.A.; Marinho, P.E.A.; Silva, J.C.; Teixeira, F.R.; Braathen, P.C.*
- K-12** **Biochemical software: Carbohydrates on Laboratory.**  
*Heidrich, D.N.; Figueiredo, M.S.R.B.; Antonio, R.V.; Da Costa, J.G.; Arantes, P.B.; Figueiredo, L. F.; Merino, E.; Sugai, J.K.*
- K-13** **Rapid identification of capybara (*Hydrochaeris hydrochaeris*) through allele-specific PCR**  
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- K-14** **Concept Maps as a strategy to assess learning in biochemistry using educational softwares**  
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- K-15** **Evaluation of The Virtual Cells Software: a Teaching Tool**  
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- K-16** **Survey of the Difficulties and Interests of Students and Teachers of Elementary and High Schools Related to Microbiology**  
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*F. Souza Silva, AT Da Poian and MRMP Luz*
- K-18** **The Tutorial Program in Biochemistry at UFV: Improvement of the Activities and Performance of the Enrolled Students**  
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- N-164** **Spectroscopic Studies of the Interaction between Polyoxyethylene 23 Lauryl Ether, a Neutral Detergent, with the Monomer *d* of the Extracellular Hemoglobin of *Glossoscolex paulistus*.**  
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- N-165** ***Schizolobium parahyba* seed lectin: isolation and interaction with endospermic galactomannans**  
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- N-166** **Elucidating the sequence and structure of HeLp, a Heme-Lipoprotein from the cattle tick *Boophilus microplus***  
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- N-167** **Inhibition of the hematological alterations induced by *Bothrops neuwiedi pauloensis* snake venom, by the aqueous extract from *Schizolobium parahyba*.**  
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- N-168** **Two-dimensional gel electrophoresis analysis of Nelore bull (*Bos taurus indicus*) seminal plasma**  
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- N-170** ***Bothrops atrox* venom proteome maps from specimens of different developmental stages**  
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- N-171** **Recombinant CaGC: Production and Structural Studies.**  
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- N-172** **Crystal structure of human purine nucleoside phosphorylase complexed with quinazolinone**  
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- N-173** **Functional Analysis of a Recombinant Molybdate-Binding Protein of *Xanthomonas citri***  
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- N-174** **Human LGI1 protein expression and purification for structural and functional analyses**  
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- N-175** **Structural characterization of an aminopeptidase from *Xanthomonas axonopodis* pv. Citri**  
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- N-176** **Standardization of Two Dimensional Gel Electrophoresis for Proteomic Analysis of the Human Pathogen *Trichomonas vaginalis***  
Jose B. De Jesus; Patricia Cuervo; Magno Junqueira, Fernando Costa Silva-Filho; Octavio Fernandes; Elisa Cupolillo, Gilberto Domont
- N-177** **Introducing *Camptosema ellipticum* lectin, Camptosemin: Purification and preliminary characterization.**  
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- N-178** **Purification and primary structure of an acidic phospholipase A2 from the venom of *Lachesis muta* (the bushmaster snake)**  
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- N-179** **Destruction for the sake of construction: a comprehensive study in HIV-1 capsid assembly.**  
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- N-180** **Different conformations detected by NMR explain the variable activities of lytic peptides corresponding to the N-terminus of trypsin**  
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- O-1** **Cross-neutralization of the neurotoxicity of *Crotalus durissus terrificus* and *Bothrops jararacussu* venoms by antisera against crotoxin and phospholipase A<sub>2</sub> (PLA<sub>2</sub>) from *Crotalus durissus cascavella* venom**  
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- O-2** **The Alternative Pathway Of The Complement System Is Altered In Hyperthyroidism**  
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- O-3** **HAMPERED CARDIO-RESPIRATORY FUNCTION IN A MICE MODEL OF AUTOIMMUNITY CARDIOMYOPATHY**  
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- O-4** **Analysis of detergent-resistant membranes in *Leishmania* (*Leishmania*) *amazonensis***  
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- O-5** **Antibody response against the major GIPC antigen of *Paracoccidioides brasiliensis* in patients with paracoccidioidomycosis**  
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- O-6** **Porous Silicon as a Matrix for IgG Immobilization**  
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- O-7** **Humoral response of *Bos Taurus* and *B. indicus* cattle infested by the tick *Boophilus microplus* against paramyosin and tick salivary gland extract**  
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- O-8** **Mapping of immunoglobulin E epitopes of Ric c 1 and Ric c 3, the major allergens from *Ricinus communis* seed.**  
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- O-9** **Lipids composition of *Leishmania* (*Viannia*) *brasilensis* promastigotes detergent-resistant membranes (DRMs)**  
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- O-10** **Antioxidant Potential of the Phenolic Compounds Isolated from Plant Oils**  
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- P-1** **The effects of hydrophobic fractions from *Toxoplasma gondii* and crude extract from *Serjania lethalis* on parasite interactions with M-1 and M-2 murine macrophages**  
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- P-2** **Anti-inflammatory properties of ethanolic extract of *Baccharis trimera*: a possible inhibitory effect on neutrophils migration.**  
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- P-3** **Induction of Multidrug Resistance Protein 1 (ABCC1) expression by ouabain: correlation with ouabain resistance**  
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- P-4** **Flavins-induced Cell Cycle Arrest and Apoptosis of Human Myeloid Leukemia Cells**  
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- P-5** **Pharmacological and Mechanistic Characterization of the Antihemostatic Profile of Acylhydrazones Derivatives**  
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- P-6** **The Effect of Glycyrrhizin against the Pro-Hemostatic Activities of *Bothrops jararaca* Snake Venom**  
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- P-7** **Dehydrocrotonin and its  $\beta$ -cyclodextrin complex: cytotoxicity in V79 fibroblasts and rat cultured hepatocytes.**  
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- P-9 Fotodegradation of Dipyrindamole using as Photosensitizer Methylene Blue in Acetonitrile and Aqueous Acid Solutions**  
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- P-11 Human phosphodiesterase 5A catalytic domain: synthesis of the coding region and pCRBlunt® cloning**  
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- P-12 Docking of a Dolabellane Diterpene Derivative on the Non-Nucleoside Binding Site of the HIV-1 Reverse Transcriptase**  
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- P-21 USNIC ACID INCREASES p53 LEVELS IN MCF7 CANCER CELLS**  
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- P-22 3-Methylcatechol produces an impairment on FADH<sub>2</sub>-linked basal respiration in liver mitochondria.**  
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- P-23 Cytotoxic Effect of a new 1,3,4-Thiadiazolium Mesoionic Compound (MI-D) on Cell Lines of Human Melanoma**  
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*Nagashima-dos Reis, T.M., Rodrigues C.R., Albuquerque M.G.; Bernardino, A.M.R., Gomes A.O., Freitas A.C.C., Dias L.R.S. Di Vaio M.A., Castro H.C.*
- P-27 Antinociceptive activity of bis-selenide alkene derivatives**  
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- P-28 PLATELET AGGREGATION INHIBITION BY ONCOCALYXONE A**  
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- P-30 Synthesis and biological activity of a new palladium(II) complex with a sulfur-containing amino acid**  
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- P-31 COMPARATIVE STUDY OF DNA AND PROTEIN-DEGRADATIVE PROPERTIES OF A NEW SERIES OF DINUCLEAR COPPER (II) COMPLEXES**  
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- Q-2** ESR studies on the role of surface charge in the lamellar to H<sub>II</sub> phase transition  
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- Q-3** Interaction between Ebola fusion peptide and lipid rafts: differential structural requirements for fusion  
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- Q-4** Ion binding to Zwitterionic Interfaces: Specific Salt Effects on the Thermodynamics of N-Dodecyl-N,N-dimethylpropane Sulfonate Micellization  
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- Q-8** Controls of Encapsulation Efficiency and Solute Liberation by Microspheres Composed of Different Mw with Free -H or Methylated PLGA Polymers  
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- Q-11** Oximolysis of p-Nitrophenyldiphenylphosphate in Zwitterionic Micelles of N-Hexadecyl -N,N - dimethyl-1-propanesulfonate, HPS.  
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- Q-12** Interaction of TPPS4 with cationic and mixed cationic-nonionic micelles  
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- R-2** Molecular response to neuronal injury: identification of molecules involved in axonal regeneration in gastropods.  
*Coulson-Thomas, Y.M.; Moraes, J.R.; Porcionatto, M.A.*
- R-3** Amphetamine increases glial fibrillary acidic protein expression in rat hippocampus.  
*Andreazza, A.C., Frey, B.N., Cereser, K.M.M., Tramontina, F., Souza, D.F., Kapczinski, F., Gonçalves, C. A.*
- R-4** IMPAIRMENT OF STRIATAL ENERGY METABOLISM IN THE QUINOLINIC ACID RAT MODEL OF HUNTINGTON'S DISEASE  
*C.A.J. Ribeiro, V. Grando, C.S. Dutra Filho, A.T.S. Wyse, C.M.D. Wannmacher and M. Wajner*
- R-5** NMDA preconditioning protects mice hippocampal against necrotic cellular death induced by quinolinic acid  
*C. R. Boeck; M. Ganzella; H. Decker; E. Stroeh; D. Vendite; R. B. Leal and C. I. Tasca*
- R-6** Ethanol-induced Tau Hyperphosphorylation: Role of hypothermia  
*Ana Cristina Moraes; Juliana Magalhães; Sérgio T. Ferreira.*
- R-7** Synaptosomal Glutamate Release and Uptake in Mice Lacking the Cellular Prion Protein  
*Thais, M.E.; Santos, T.G.; Machado, R.S.; Walheim, D.O.; Carqueja, C.L.; Bianchin, M.M.; Brentani, R.R.; Martins, V.R.; Walz, R.; Tasca, C.I.*
- R-8** Involvement of MAPK/ERK pathway in the synaptosomal glutamate release induced by sea anemone toxins  
*Soletti, R.C.; Souza, D.G.; Aggio, R.; Vernal, J.; Terenzi, H. Gabilan, N.H. Depto. Bioquímica, CCB, Universidade Federal de Santa Catarina, Florianópolis, SC;*
- R-9** AMYLOID BETA PEPTIDE TOXICITY IS NOT MEDIATED BY HYPERACTIVATION OF NO-SYNTASE IN THE AVIAN RETINA.  
*Leandro T. de Oliveira; Paulo Roberto Louzada; Fernando G. de Mello; Sérgio T. Ferreira.*
- R-10** Modulation of cellular signaling proteins by lead acetate in C6 rat glioma cells  
*Posser, T.; Garcez, R.C.; Borowski, C.F.; Trentin, A.; Moura-Neto, V.; Leal, R.B.*
- R-11** ASSESSMENT OF LEAD NEUROLOGICAL EFFECTS USING NEUROBEHAVIORAL TESTS IN YOUNG MICE: PERSPECTIVES FOR THE TREATMENT OF LEAD INTOXICATION  
*Araújo, U.C.; Filgueiras, C.C.; Anderson; Manhães, A.; Jesus, V.C.; Castro Faria, M.V.; Burth, P.*
- R-12** GL-15 as a model of study by *Neospora caninum* in the CNS  
*PINHEIRO, A.M.; COSTA, S.L.; RIBEIRO, C.S.O.; FREIRE, S.M.; ALMEIDA, M.A.O.; TARDY, M.; EL BACHÁ, R.; COSTA, M.F.D.*

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- R-13** Extraction of alkaloids from *Prosopis Juliflora* leaves and evaluation of cytotoxicity in cultured astrocytes.  
*Silva, A.M.M.; Silva, A.R.; Freitas, S.R.V.B.; Silva, V.D.A.; Souza, C.S.; Barreto, R.A.; Pinheiro, A.M., El-Bachá, R.S., Vellozo, E.S., and Costa, S.L.*
- R-14** EFFECT OF METHYLMALONIC ACID ON THE RESPIRATORY CHAIN COMPLEX ACTIVITIES IN KIDNEY OF YOUNG RATS  
*A.L. Schmidt; L.F. Pettenuzzo; C.G. Ferreira; A.T.S. Wyse; C.S. Dutra-Filho; C.M.D. Wannmacher; M. Wajner.*
- R-15** Effects *in vitro* and *in vivo* of fluoxetine on ectonucleotidases activities in hippocampal sinaptosomes of rats.  
*E.L. Pedrazza, J.J.F. Sarkis, C.D. Bonan*
- R-16** SYNAPTOSOMAL GLUTAMATE RELEASE INDUCED BY AGMATINE  
*Souza, D.G.; Felisbino, C.S.; Soletti, R.C.; Almeida, R.C.; Rodrigues, A.L.; Leal, R.B. Gabilan, N.H.*
- R-17** PROPYL-THIO-URACIL EFFECT DURING LACTATION ON ENERGETIC METABOLISM IN RAT CENTRAL NERVOUS SYSTEM  
*Gravina, F. S.; Silveira, C. K. B.; Müller, A. P.; Kawano, C.; Londero, L. G.; Battú, C. E.; Souza, C. G; Leszczinski, D. N.; Perry, M. L. S.; Gonçalves, C. A.S.*
- R-18** Nicotinic and muscarinic cholinergic receptors subunits are expressed during neuronal differentiation of P19 embryonal carcinoma cells  
*Resende, R.R.; Martins, A.H.B.; Nery, A.A.; Ulrich, H.*
- R-19** EVIDENCE THAT 3-HYDROXYANTHRANILIC ACID HAS ANTIOXIDANT PROPERTIES IN CEREBRAL CORTEX OF YOUNG RAT  
*C. Schumacher, G. Leipnitz, A. Latini, K.B. Dalcin, K. Scussiato, C.S.Dutra-Filho, A.T.S. Wyse, C.M.D. Wannmacher and M. Wajner.*
- R-20** 3-Methylcatechol: *in vitro* toxicity and brain mitochondrial dysfunction.  
*DOS SANTOS, G.S.; BARRETO, G.E.S.; LIMA, R.M.F.; DE ANDRADE, D.V.G.; GRANGEIRO, M.S.; ALVAREZ, L.D.G.; COSTA, S.L.; EL-BACHÁ, R.S.*
- R-21** GMP and Guanosine Mediate the Increase of Neuronal Number in Culture  
*Decker, H.; Romão, L. F.; Dal-Cim, T.; Moura-Neto, V.; Tasca, C. I.*
- R-22** REDUCTION OF ENERGY METABOLISM BY KYNURENIC ACID IN RAT BRAIN  
*R.C. Maria, P.F. Schuck, A. Tonin, G.C. Ferreira, A. Latini, C.M. Viegas, V. Grando, C.S. Dutra-Filho, A.T.S. Wyse, C.M.D. Wannmacher, M. L.S. Perry and Moacir Wajner*
- R-23** 3-HYDROXYKYNURENINE IMPAIRS ENERGY METABOLISM IN RAT BRAIN  
*Vanessa Grando, P.F. Schuck, A. Tonin, G.C. Ferreira, R.C. Maria, A. Latini, R.B. Rosa, C.S. Dutra-Filho, Á.T.S. Wyse, C.M.D. Wannmacher, M.L.S. Perry and M. Wajner*
- R-24** ACTIVATION OF GABA A RECEPTORS BY TAURINE BLOCKS THE NEUROTOXICITY OF  $\beta$ -AMYLOID IN HIPPOCAMPAL AND CORTICAL NEURONS  
*Andréa C. Paula Lima; Jordano Brito Moreira; Fernanda G. De Felice; Rogério Panizzutti; Sérgio T. Ferreira*
- R-25** Detection and functionality of nicotinic acetylcholine receptors during neuronal differentiation of PC12 pheochromocytoma cells  
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- R-26** Pharmacological properties of suramin in glial cells expressing the recombinant rat P2X2 receptor  
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- R-27** Oligomers from a non-disease related protein mimic A $\beta$ -induced tau hyperphosphorylation and neurodegeneration in rat brains  
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- R-28** COMPARING NEUROPSIN TO OTHER SERINE PROTEASES  
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- R-29** IN VITRO EFFECT OF QUINOLINIC ACID ON VARIOUS PARAMETERS OF OXIDATIVE STRESS IN RAT BRAIN.  
*M. Wajner, G. Leipnitz, C. Schumacher, K.B. Dalcin, K. Scussiato, C.S. Dutra-Filho, A.T.S. Wyse, C.M.D. Wannmacher, A. Latini*
- R-30** Resveratrol protects against oxygen and glucose deprivation in rat hippocampal organotypic cultures and activates Akt and inactivates GSK-3 $\beta$   
*L.L.Zamin; P.Pilla; M.Nassif; F.Simão; A.P.Horn; D.Gerhard; R.Frozza and C.Salbegio*
- R-31** BRANCHED-CHAIN  $\alpha$ -KETO ACIDS ACCUMULATING IN MAPLE SYRUP URINE DISEASE INDUCE MORPHOLOGICAL ALTERATIONS AND ACTIN REORGANIZATION IN C6 GLIOMA CELLS  
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- R-32** Impairment of endoplasmic reticulum and plasma membrane Ca<sup>2+</sup>-ATPases activities after quinolinic acid induced-excitotoxicity  
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- R-33** INHIBITION OF CREATINE KINASE ACTIVITY BY THE BRANCHED-CHAIN  $\alpha$ -KETO ACIDS ACCUMULATING IN MAPLE SYRUP URINE DISEASE IN C6 CELLS.  
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- R-35** Different Profile of S100B Secretion in Astrocytes and C6 Glioma Cells in Presence of High-Glucose Medium.  
*Nardin, P.; Tramontina, F.; Leite, M.C.; Tramontina, A.C.; Gottfried C.; Battastini, A.M.O.; Gonçalves, C.A*
- R-36** Cerebral cortex changes in the content of glial fibrillary acidic and S100B proteins in rats exposed to protein malnutrition.  
*Ana Carolina Tramontina; Ana Maria Feoli; Francine Tramontina; Ingrid D Schweigert; Carmem Gottfried; Marcos Luiz Perry; Carlos-Alberto Gonçalves*
- R-37** Ontogenetic changes in serum S100B in Down syndrome patients  
*Netto, C.B.O., Souza D.F., Portela L, Kieling, C., Matte, U., Felix, T., Silveira, T.R., Souza, D.O., Gonçalves, C.A., Giugliani, R.*

- R-38** **Transitory Gliosis In The CA3 Hippocampal Region In Rats Fed On A Ketogenic Diet**  
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- R-39** **Serum S100B levels in patients with neural tube defects**  
*Netto, C.B.O., Leite, M., Portela, L., Félix, T., Souza, D.O., Gonçalves, C.A., Giugliani, R.*
- R-40** **Production of NO is necessary for in vitro wound healing of cerebellar neurons and glia co-culture**  
*MEOB Ribeiro; HP Monteiro; MA Porcionatto*
- R-41** **In Vitro Effect Of Glutaric Acid On Energy Metabolism In Midbrain Of Young Rats**  
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- R-42** **Glutaric acid alters lipid peroxidation and antioxidant defences in rat brain**  
*C.S. Dutra-Filho, F.O. Marques, C.D. Pederzoli, A.M. Sgaravatti, M.B. Sgarbi, B.A. Vargas, B.R. Zandoná, A.T.S. Wyse, C.M.D. Wannmacher and M. Wajner*
- R-43** **Effect Of Acute Glutaric Acid Administration On Energy Metabolism In Young Rat Tissues**  
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- R-44** **EFFECT OF ANTHRANILIC AND 3-HYDROXYANTHRANILIC ACIDS ON RESPIRATORY CHAIN COMPLEXES AND Na<sup>+</sup>,K<sup>+</sup>-ATPASE ACTIVITIES IN RAT BRAIN**  
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- R-45** **Can Epileptic Seizures in Patients Presenting Neuronal Heterotopia be Caused by Alteration in the Activity of the GABAergic and the NMDA-Receptor Systems?**  
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- R-46** **Modulation of Glutamate Release By Guanine Derivatives**  
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- R-47** **Neuronal Nitric Oxide Synthase (nNOS) Can Play a Role in the Rat Cerebellar Ontogenesis**  
*Guethe, L.M.; Martins, A.R.*
- R-48** **Aβ inhibits mitochondrial-bound hexokinase: Implications for impairment of brain energy metabolism in Alzheimer's disease**  
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- R-49** **Canavalia brasiliensis Lectin (ConBr) and Canavalia ensiformes Lectin (ConA) decrease tumoral cell viability and ERK1/2 phosphorylation.**  
*Heckert, B.T.; Pereira, S.F.; Barauna, S.C.; Alvarez-Silva, M.; Garcez, R.C.; Stimamiglio, M. A.; Pinto, V.P.T.; Teixeira, E.H.; Nascimento, K.S.; Cavada, B.S.; Leal, R.B.*
- R-50** **INHIBITION OF CREATINE KINASE ACTIVITY FROM RAT CEREBRAL CORTEX BY 3-HYDROXYKYNURENINE**  
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- R-51** **CHRONIC ADMINISTRATION OF CYSTINE OR DIMETHYLCYSTINE REDUCES CREATINE KINASE ACTIVITY IN RAT BRAIN CORTEX**  
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- R-52** **NTPDase and 5'-nucleotidase activities in slice and CSF of kindling rats**  
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- R-53** **Cross-talk Between S100B and Glutamate in Hippocampal Astrocyte Cultures from Rats**  
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- R-54** **Evidence of a specific interaction between ADAM23 and cellular prion protein**  
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- R-56** **Canavalia brasiliensis Lectin (ConBr) Increases ERK1/2 phosphorylation in synaptosomes.**  
*Pereira, S.F.; Heckert, B.T.; Barauna, S.C.; Pinto, V.P.T.; Teixeira, E.H.; Nascimento, K.S.; Cavada, B.S.; Leal, R.B.*
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- R-58** **The role of MAPKs on the viability of C6 rat glioma cells exposed to lead acetate treatment**  
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- R-59** **HIGH FAT DIET INCREASES THE INCIDENCE OF OROFACIAL DYSKINESIA AND OXIDATIVE STRESS IN SPECIFIC BRAIN REGIONS OF RATS**  
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- R-60** **Effects of the flavonoid rutin on the expression of GFAP, TNF-ALPHA and IL-10 in rat cortical astrocytes**  
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- S-1** **Gomesin, a cationic antimicrobial peptide isolated from *Acanthoscurria gomesiana*, is cytotoxic in vitro against tumor cells**  
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- S-2 **CDR peptides but not the original anti-melanoma monoclonal antibody (A4M) have a cytotoxic effect against B16F10 tumor cells**  
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- S-3 **Spatial profiling peptides and proteins on cells and tissue sections by imaging mass spectrometry**  
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- S-4 **PEPTIDE BLOCKERS OF THE INHIBITION OF NEURONAL NICOTINIC ACETYLCHOLINE RECEPTORS BY  $\beta$ -AMYLOID PEPTIDE**  
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- S-5 **Secondary structure of polycationic peptides from wasp venoms.**  
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- S-6 **FURTHER STUDIES ON AN ALTERNATIVE APPROACH TO PREPARE ESTERIFIED PROTECTED PEPTIDES UNDER MILD CONDITIONS**  
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- S-7 **Neurotoxic and Myotoxic actions from *Lachesis muta muta* (surucucu) venom on the mouse and chick nerve-muscle preparations**  
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- S-8 **New Record of a Caerulein Peptide in the Skin Secretions of the South American Frog *Leptodactylus syphax***  
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- S-9 **Role of Arg212 of the kinin B1 receptor in signal transduction for des-Arg9-BK**  
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- S-11 **N-terminal peptides from Sticholysin II: comparative properties and membrane interactions**  
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- S-12 **Microglial phagocytosis of  $\beta$ -amyloid aggregates**  
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- S-13 **Novel host-defense peptides isolated from the skin secretion of the frog *Leptodactylus labyrinthicus***  
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- S-14 **2,3-hexapyranosyl-spiro [4,5]-dec-1-en-10-one: A new compound from the venom of the social wasp *Polybia paulista***  
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- S-15 **Comparative Study of Biological Activities from Three Brazilian Snakes Venoms: *Bothrops moojeni*, *Bothrops neuwiedi pauloensis* and *Crotalus durissus sp.***  
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- S-18 **Mass spectrometry analysis of peptides secreted by HepG2 hepatoma cells infected with Dengue virus 2**  
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- S-19 **Isolation and Characterization of Two Bioactive Peptides of Skin Secretion from *Physalaemus centralis* (AMPHIBIA)**  
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- S-20 **Identification and characterization of novel antimicrobial peptides from maize *Zea mays* seeds**  
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- S-21 **PURIFICATION AND CHARACTERIZATION OF A THROMBIN INHIBITOR FROM *Boophilus microplus* GUT EXTRACT**  
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- S-22 **Purification and characterization of a dynastin-related peptide from the skin of the tree-frog *Hyla biobeba***  
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- S-23 **Peptidomics studies: Contribution for better understanding of *Gluconacetobacter diazotrophicus* physiology**  
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- S-24 **Isolation and Sequencing of a Novel Bioactive Polypeptide of Skin Secretion from Brazilian frog *Physalaemus centralis* (Anura)**  
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- S-25 **Mass Spectrometric studies on novel bradykinin and phylokinin analogs from the skin secretion of *Phyllomedusa hypochondrialis***  
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- S-26 **Hypotensive bradykinin-like and phylokinin peptides from *Phyllomedusa tarsius***  
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- S-27 **Biochemical Characterization Of The Venom Of The Wasp *Angiopolybia pallens***  
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- S-28 **Novel dermaseptins from *Phyllomedusa hypochondrialis***  
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- S-29 **In vitro effect of *Bothrops cotiara* and *Bothrops jararacussu* (SERPENTES:VIPERIDAE) venoms on blood coagulation pathways.**  
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- S-30 **Partial characterization of a lectin isolated from the venom of *Bothrops jararacussu* (SERPENTES: VIPERIDAE) and its adhesion to extracellular matrix glycoproteins**  
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- S-31 **THE PORTAL HYPERTENSIVE RESPONSE TO BRADYKININ IN CHRONIC INFLAMMATION AND CIRRHOSIS**  
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- S-34 **Effect of kinins on the pre-contracted perfused liver**  
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- S-36 **Bioprospection of Antimicrobial Peptides in Eggplant Leaves**  
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- S-37 **Chemical strategies for the synthesis of angiotensin II and bradykinin G protein-coupled receptors fragments.**  
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- S-38 **Angiotensin II and bradykinin analogues containing the POAC spin label : biological activity and EPR structural investigation.**  
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- S-39 **Effect of Strong Electrophilic or Nucleophilic Solvents for Peptide Solubilization: The Special Influence of the Water Molecule**  
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- S-40 **CD, NMR AND BIOLOGICAL STUDIES OF LINEAR GOMESIN ANALOGUE**  
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- S-41 **Supramolecular Peptide Interaction Between Protonection and its Analogous Protonection (1-6) Modifying the Biological Activity**  
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- S-42 **Fast Analysis Of Low-Molecular-Weight Compounds Present In Snake Venom: Identification Of Ten New Pyroglutamate-Containing Peptides**  
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- S-43 **Isolation and biochemical characterization of a 3,5 kDa neurotoxin from *Tityus fasciolatus* scorpion venom**  
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- S-44 **Ocellatin 4: the most hydrophobic antimicrobial peptide from the skin secretion of the frog *Leptodactylus ocellatus***  
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- S-45 **PROTHROMBIN FRAGMENTS INTERFERE IN HUMAN NEUTROPHIL MIGRATION BY MODULATING GRK-2 AND IL-8 EXPRESSION**  
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- S-46 **EFFECTS OF CYSTEINES AND HYDROPHOBIC RESIDUES REPLACEMENTS BY ALANINES IN THE BIOACTIVITY OF GOMESIN**  
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- S-47 **STEPWISE SOLID-PHASE PEPTIDE SYNTHESIS AT ELEVATED TEMPERATURE**  
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- S-48 **Effects of the combined treatment with *Crotalus* Venom and Ionising Radiation on Pituitary Adenoma cells**  
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- S-49 **COMPARISON OF THE NEUROTOXIC ACTIVITY OF *Crotalus durissus cumanensis* AND *Crotalus durissus terrificus* (VAR. WHITE) VENOMS ACTIVITY IN MOUSE NERVEPHRENIC DIAPHRAGM PREPARATIONS.**  
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- S-50 **Recombinant Expression of Antimicrobial Peptides from the Cattle Tick *Boophilus microplus*.**  
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- S-51 **Screening of Insecticidal Molecules Using a Shuffled Library.**  
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- S-52 **ISOLATION AND BIOCHEMICAL CHARACTERIZATION OF PEPTIDES PRESENTING ANTIMICROBIAL ACTIVITY FROM THE SKIN OF *PHYLLOMEDUSA HYPOCONDRIALIS***  
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- S-53 **Antimicrobial factors from the harvestman *Acutisoma longipes*.**  
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- S-54 **NMR Structure of peptide isolated from the venom of the social wasp *Polybia paulistarn***  
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- S-55 **RGD-DISINTEGRINS INDUCE HO-1 EXPRESSION AND TCR COSTIMULATION BY INTEGRIN SIGNALING IN HUMAN T LYMPHOCYTES**  
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- S-56 **Deleterious Effects of Peptides from Guava Seeds *Psidium guajava* Against Gran-Negatives Bacteria that Cause Urinary Infections**  
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