

- 517 **Multi-omics Reveal that c-Src Modulates the Mitochondrial Phosphotyrosine Proteome and Metabolism According to Nutrient Availability**
Guedouari H. (Moncton), Savoie M. (Moncton), Jean S. (Moncton), Djeungoue-Péga M. (Moncton), Pichaud N. (Moncton), Hébert-Chatelain E. (Moncton)
- 538 **Annexin A2-S100A10 Represents the Regulatory Component of Maxi-CI Channel Dependent on Protein Tyrosine Dephosphorylation and Intracellular Ca²⁺**
Islam M. (Okazaki), Okada T. (Okazaki), Merzlyak P. (Okazaki; Tashkent), Toychiev A. (Okazaki; New York), Ando-Akatsuka Y. (Suzuka), Sabirov R. (Okazaki; Tashkent), Okada Y. (Okazaki; Kyoto)
- 556 **Fluorometric Na⁺ Evaluation in Single Cells Using Flow Cytometry: Comparison with Flame Emission Assay**
Yurinskaya V. (St. Petersburg), Aksenov N. (St. Petersburg), Moshkov A. (St. Petersburg), Goryachaya T. (St. Petersburg), Vereninov A. (St. Petersburg)
- 567 **Evaluation of the Diaphragm Muscle Remodeling, Inflammation, Oxidative Stress and Vascularization in Smokers: An Autopsy Study**
Nucci R. (São Paulo), Maifirino L. (São Paulo), Busse A. (São Paulo), Souza R. (São Paulo), Pasqualucci C. (São Paulo), Anaruma C. (Rio Claro), Leite R. (São Paulo), Rodriguez R. (São Paulo), Suemoto C. (São Paulo), Jacob-Filho W. (São Paulo)
- 577 **Osmotic Response of Dorsal Root Ganglion Neurons Expressing Wild-Type and Mutant KCC3 Transporters**
Flores B. (Nashville), Delpire E. (Nashville)
- 591 **Protein-Bound Polysaccharides from *Coriolus Versicolor* Induce RIPK1/RIPK3/MLKL-Mediated Necroptosis in ER-Positive Breast Cancer and Amelanotic Melanoma Cells**
Pawlikowska M. (Torun), Jędrzejewski T. (Torun), Brożyna A. (Torun), Wrotek S. (Torun)
- 605 **Characterization of Suicidal Erythrocyte Death (Eryptosis) in Dogs**
Katahira I. (Kanagawa), Neo S. (Kanagawa), Nagane M. (Kanagawa), Miyagi S. (Kanagawa), Hisasue M. (Kanagawa), Bhuyan A. (Rajshahi)
- 615 **Protein-Bound Polysaccharides from *Coriolus Versicolor* Fungus Disrupt the Crosstalk Between Breast Cancer Cells and Macrophages through Inhibition of Angiogenic Cytokines Production and Shifting Tumour-Associated Macrophages from the M2 to M1 Subtype**
Jędrzejewski T. (Torun), Pawlikowska M. (Torun), Sobocińska J. (Torun), Wrotek S. (Torun)
- 629 **The Critical Role of Cell Metabolism for Essential Neutrophil Functions**
Curi R. (São Paulo), Levada-Pires A. (São Paulo), Silva E. (São Paulo), Poma S. (São Paulo), Zambonato R. (São Paulo), Domenech P. (São Paulo), Almeida M. (São Paulo), Gritte R. (São Paulo), Souza-Siqueira T. (São Paulo), Gorgão R. (São Paulo), Newsholme P. (Perth), Pithon-Curi T. (São Paulo)
- 648 **New Insights in Gene Expression Alteration as Effect of Paclitaxel Drug Resistance in Triple Negative Breast Cancer Cells**
Jurj A. (Cluj-Napoca), Pop L. (Cluj-Napoca), Zanoaga O. (Cluj-Napoca), Ciocan-Căriță C. (Cluj-Napoca), Cojocariu R. (Cluj-Napoca), Moldovan C. (Cluj-Napoca), Raduly L. (Cluj-Napoca), Pop-Bica C. (Cluj-Napoca), Trif M. (Bremen), Irimie A. (Cluj-Napoca), Berindan-Neagoe I. (Cluj-Napoca), Braicu C. (Cluj-Napoca)
- 665 **Adjustments in β -Adrenergic Signaling Contribute to the Amelioration of Cardiac Dysfunction by Exercise Training in Supravalvular Aortic Stenosis**
de Souza S. (Botucatu), Mota G. (Botucatu), da Silva V. (Botucatu), Sant'Ana P. (Botucatu), Vileigas D. (Botucatu), de Campos D. (Botucatu), Padovani C. (Botucatu), Rodrigues M. (Botucatu), do Nascimento A. (Sinop), Sugizaki M. (Sinop), Bazan S. (Botucatu), Brum P. (São Paulo), Cicogna A. (Botucatu)
- 682 **Acid Loading Unmasks Glucose Homeostatic Instability in Proximal-Tubule-Targeted Insulin/Insulin-Like-Growth-Factor-1 Receptor Dual Knockout Mice**
Aljayani A. (Washington, D.C.), Fluit M. (Washington, D.C.), Piselli A. (Washington, D.C.), Shepard B. (Washington, D.C.), Tiwari S. (Lucknow), Ecelbarger C. (Washington, D.C.)
- 696 **Impact of the *DSP-H1684R* Genetic Variant on Ion Channels Activity in iPSC-Derived Cardiomyocytes**
Gusev K. (St. Petersburg), Khudiakov A. (St. Petersburg), Zaytseva A. (St. Petersburg), Perepelina K. (St. Petersburg), Makenok S. (St. Petersburg), Kaznacheyeva E. (St. Petersburg), Kostareva A. (St. Petersburg; Stockholm)
- 707 **Enhancement of Soft Tissue Sarcoma Response to Gemcitabine through Timed Administration of a Short-Acting Anti-Angiogenic Agent**
Cheng J. (New York), Fuller J. (New York), Feldman R. (New York), Tap W. (New York), Owa T. (Tokyo), Fuks Z. (New York), Kolesnick R. (New York)
- 719 **Cardioprotection Generated by Aerobic Exercise Training is Not Related to the Proliferation of Cardiomyocytes and Angiotensin-(1-7) Levels in the Hearts of Rats with Supravalvular Aortic Stenosis**
Mota G. (Botucatu), de Souza S. (Botucatu), da Silva V. (Botucatu), Gatto M. (Botucatu), de Campos D. (Botucatu), Sant'Ana P. (Botucatu), Vileigas D. (Botucatu), Padovani C. (Botucatu), Casarini D. (Botucatu), de Oliveira E. (São Paulo), Bazan S. (Botucatu), Fernandes T. (São Paulo), Sugizaki M. (Botucatu), Gomes E. (João Pessoa), Cicogna A. (Botucatu)
- 736 **Effects of Simulated Microgravity on Muscle Stem Cells Activity**
Tarantino U. (Rome), Cariati I. (Rome), Marini M. (Rome), D'Arcangelo G. (Rome), Tancredi V. (Rome), Primavera M. (Rome), Iundusi R. (Rome), Gasbarra E. (Rome), Scimeca M. (Rome)
- 748 **Alliin Overcomes Hypoxia Mediated Cisplatin Resistance in Lung Cancer Cells through ROS Mediated Cell Death Pathway and by Suppressing Hypoxia Inducible Factors**
Pandey N. (New Delhi), Tyagi G. (London), Kaur P. (New Delhi), Pradhan S. (New Delhi), Rajam M. (New Delhi), Srivastava T. (New Delhi)
- 767 **Emergence, Transmission, and Potential Therapeutic Targets for the COVID-19 Pandemic Associated with the SARS-CoV-2**
Patil A. (Essen), Göthert J. (Essen), Khaimar V. (Essen)
- 791 **Erratum**
- 792 **Erratum**
- 793 **Erratum**
- 794 **Erratum**
- 797 **Erratum**
- 798 **Erratum**
- 799 **Erratum**
- 800 **Retraction Statement**
- 801 **Retraction Statement**
- 802 **Retraction Statement**
- 803 **Retraction Statement**
- 804 **Retraction Statement**
- 805 **Retraction Statement**
- 806 **Retraction Statement**
- 807 **Expression of Concern**
- 808 **Expression of Concern**

Cover illustration

Protein-Bound Polysaccharides from *Coriolus Versicolor* Induce RIPK1/RIPK3/MLKL-Mediated Necroptosis in ER-Positive Breast Cancer and Amelanotic Melanoma Cells. See Original by Pawlikowska, et al. in Cell Physiol Biochem 2020;54:591-604.

Cellular Physiology
and Biochemistry

International Journal of
Experimental Cellular Physiology, Biochemistry and Pharmacology

