ISSN 0022-0930, Journal of Evolutionary Biochemistry and Physiology, 2021, Vol. 57, No. 2, pp. 424–428. © Pleiades Publishing, Ltd., 2021.

ERRATA

### Erratum to: The original online version of the following articles was revised: the issue date is not January 2020, but January 2021

Received February 17, 2021 Revised February 17, 2021 Accepted February 17, 2021

DOI: 10.1134/S0022093021020216

#### **Concepts of Canalization and Genetic Assimilation in Developmental Biology: Current Approaches and Studies**

A. V. Spirov<sup>*a,b,\**</sup>, V. F. Levchenko<sup>*a,\*\**</sup>, and M. A. Sabirov<sup>*a,\*\*\**</sup>

<sup>a</sup> Sechenov Institute of Evolutionary Physiology and Biochemistry, Russian Academy of Sciences, St. Petersburg, Russia

<sup>b</sup>The Institute of Scientific Information for Social Sciences RAS, Moscow, Russia
\*e-mail: alexander.spirov@gmail.com
\*\*e-mail: lew@lew.spb.org
\*\*\*e-mail: ne-merr-eno@mail.ru
Received February 8, 2020
Revised July 24, 2020
Accepted July 25, 2020
DOI: 10.1134/S0022093021010014

### Mast Cells in the Vertebrate Brain: Localization and Functions

I. P. Grigorev<sup>*a*,\*</sup> and D. E. Korzhevskii<sup>*a*</sup>

<sup>a</sup>Institute of Experimental Medicine, St. Petersburg, Russia
\*e-mail: iemmorphol@yandex.ru
Received February 12, 2020
Revised March 19, 2020
Accepted April 11, 2020
DOI: 10.1134/S0022093021010026

#### The Role of Melatonin in Prenatal Ontogenesis

#### I. I. Evsyukova<sup>*a*,\*</sup>

<sup>a</sup>D.O. Ott Research Institute of Obstetrics, Gynecology and Reproductology, St. Petersburg, Russia \*e-mail: eevs@yandex.ru

Received September 29, 2020

Revised October 31, 2020

Accepted November 2, 2020

DOI: 10.1134/S0022093021010038

### Morpho-Functional Characterization of Cercal Organs in Crickets

#### A. M. Lunichkin<sup>*a*,\*</sup> and M. I. Zhukovskaya<sup>*a*</sup>

<sup>a</sup>Sechenov Institute of Evolutionary Physiology and Biochemistry, Russian Academy of Sciences, St. Petersburg, Russia \*e-mail: bolverkdc@mail.ru

Received August 19, 2020

Revised September 25, 2020

Accepted September 26, 2020

DOI: 10.1134/S002209302101004X

#### Age-Related Changes in the Role of Potassium Channels in Acetylcholine-Induced Dilation of Pial Arteries in Normotensive and Spontaneously Hypertensive Rats

#### O. P. Gorshkova<sup>*a*,\*</sup>

<sup>a</sup> Pavlov Institute of Physiology, Russian Academy of Sciences, St. Petersburg, Russia \*e-mail: o\_gorshkova@inbox.ru
Received June 27, 2020
Revised September 10, 2020
Accepted September 28, 2020
DOI: 10.1134/S0022093021010051
Glycogen as an Energy Storage Substrate in Fish Nucleated Erythrocytes

### Yu. A. Silkin<sup>a</sup>, \*, E. N. Silkina<sup>a</sup>, and M. Yu. Silkin<sup>a</sup>

<sup>a</sup>T.I. Vyazemsky Karadag Scientific Station—Nature Reserve, Branch of A.O. Kovalevsky Institute of Biology of the Southern Seas, Russian Academy of Sciences, Feodosiya, Russia \*e-mail: ysilkin@mail.ru

Received July 5, 2020

Revised August 10, 2020

Accepted October 7, 2020

DOI: 10.1134/S0022093021010063

JOURNAL OF EVOLUTIONARY BIOCHEMISTRY AND PHYSIOLOGY Vol. 57 No. 2 2021

#### ERRATA

# Tissue Microhemodynamic Indices in Rats Exposed to Acetylsalicylic Acid and Metal Salicylates

#### M. Yu. Ravaeva<sup>*a*,\*</sup>, E. N. Chuyan<sup>*a*</sup>, I. V. Cheretaev<sup>*a*</sup>, I. S. Mironyuk<sup>*a*</sup>, and T. V. Grishina<sup>*a*</sup>

<sup>a</sup> Taurida Academy, V.I. Vernadsky Crimean Federal University, Simferopol, Russia
\*e-mail: ravaevam@yandex.ru
Received July 5, 2020
Revised September 19, 2020
Accepted October 7, 2020
DOI: 10.1134/S0022093021010075

#### Labeling of Mesencephalic Tegmental Neurons in a Juvenile Pacific Chum Salmon *Oncorhynchus keta* with Mouse Hippocampal Adeno-Associated Viral Vectors

#### E. V. Pushchina<sup>*a,b,\**</sup>, I. A. Kapustyanov<sup>*a*</sup>, E. V. Shamshurina<sup>*a*</sup>, and A. A. Varaksin<sup>*a*</sup>

<sup>a</sup>Zhirmunsky National Research Center for Marine Biology, Far-Eastern Branch, Russian Academy of Sciences, Vladivostok, Russia

<sup>b</sup>Bogomoletz Institute of Physiology, National Academy of Sciences of Ukraine, Kiev, Ukraine \*e-mail: puschina@mail.ru

Received October 9, 2020

Revised October 31, 2020

Accepted November 2, 2020 DOI: 10.1134/S0022093021010087

## Calcium-Dependent Action of Phenytoin on the Insect Neuromuscular Transmission

#### I. M. Fedorova<sup>*a*</sup> and D. B. Tikhonov<sup>*a*,\*</sup>

<sup>a</sup>Sechenov Institute of Evolutionary Physiology and Biochemistry, Russian Academy of Sciences, St. Petersburg, Russia \*e-mail: denistikhonov2002@yahoo.com

Received December 15, 2020 Revised December 24, 2020 Accepted December 25, 2020 DOI: 10.1134/S0022093021010099

#### The Effect of Protein Overload on Reabsorption of Different Proteins in Frog Renal Tubules

#### N. P. Prutskova<sup>*a*,\*</sup> and E. V. Seliverstova<sup>*a*</sup>

<sup>a</sup>Sechenov Institute of Evolutionary Physiology and Biochemistry, Russian Academy of Sciences, St. Petersburg, Russia \*e-mail: natprut@yandex.ru

Received October 16, 2020 Revised December 5, 2020 Accepted December 7, 2020 DOI: 10.1134/S0022093021010105

JOURNAL OF EVOLUTIONARY BIOCHEMISTRY AND PHYSIOLOGY Vol. 57 No. 2 2021

#### ERRATA

#### **Bioinformatic Analysis of Substrate Binding Sites in Decapod Brachyurin-C** Collagenases

#### P. Hernandez-Cortes<sup>*a*,\*</sup>

<sup>a</sup> Centro de Investigaciones Biologicas del Noroeste (CIBNOR), Av. Instituto Politécnico Nacional 195 La Paz, B.C.S. 23096, Mexico, Mexico
\*e-mail: pato@cibnor.mx
Received February 2, 2020
Revised June 26, 2020
Accepted June 30, 2020
DOI: 10.1134/S0022093021010117

## Antioxidant Effect of a Dihydropyridine Calcium Antagonist Nitrendipine in Streptozotocin-Induced Diabetes

#### S. Ünüvar<sup>*a*,\*</sup>, Ş. Gürsoy<sup>*b*</sup>, A. Berk<sup>*b*</sup>, B. Kaymaz<sup>*b*</sup>, N. İlhan<sup>*c*</sup>, and G. Aktay<sup>*b*</sup>

<sup>a</sup>İnönü University, Faculty of Pharmacy, Department of Pharmaceutical Toxicology, Malatya, Turkey

<sup>b</sup>İnönü University, Faculty of Pharmacy, Department of Pharmacology, Malatya, Turkey

<sup>c</sup>Firat University, Faculty of Medicine, Department of Biochemistry, Elazığ, Turkey \*e-mail: songul.unuvar@inonu.edu.tr

Received October 15, 2020

Revised December 1, 2020

Accepted December 4, 2020

DOI: 10.1134/S0022093021010129

# Mild Hyperuricemia Ameliorates the Effect of Renal Ischemia-Reperfusion Injury in Rats

#### B. M. A. El-Kafoury<sup>a</sup>, R. A. Saad<sup>a</sup>, E. G. M. Ismail<sup>a</sup>, and E. A. Abdel-Hady<sup>a</sup>, \*

<sup>a</sup> Physiology Department, Faculty of Medicine, Ain Shams University, Cairo, Egypt \*e-mail: Dr\_enas.hady@med.asu.edu.eg

Received November 13, 2020

Revised December 29, 2020

Accepted December 30, 2020

DOI: 10.1134/S0022093021010130

### Regulation of Arterial Tone in Rats Fed a Long-Term High-Salt Diet

#### G. I. Lobov<sup>*a*</sup> and G. T. Ivanova<sup>*a*,\*</sup>

<sup>a</sup> Pavlov Institute of Physiology, Russian Academy of Sciences, St. Petersburg, Russia \*e-mail: ivanovagt@infran.ru
Received October 20, 2020
Revised November 10, 2020
Accepted November 15, 2020
DOI: 10.1134/S0022093021010142

# **Expression of Glutamate Receptor Genes in the Hippocampus and Frontal Cortex in GC Rat Strain with Genetic Catatonia**

#### V. S. Plekanchuk<sup>*a,b,\**</sup> and M. A. Ryazanova<sup>*a*</sup>

<sup>a</sup>Institute of Cytology and Genetics, Russian Academy of Sciences, Siberian Branch, Novosibirsk, Russia

<sup>b</sup>Novosibirsk State University, Novosibirsk, Russia
\*e-mail: lada9604@mail.ru
Received October 21, 2020
Revised November 25, 2020
Accepted December 4, 2020
DOI: 10.1134/S0022093021010154

#### A Comparative Characteristic of Amino Acid Composition and Activity of Amino Acid Metabolism Enzymes in Hemochorial Placenta of Various Animal Species and Humans

#### T. N. Pogorelova<sup>*a*,\*</sup>, V. O. Gunko<sup>*a*</sup>, A. A. Nikashina<sup>*a*</sup>, and I. A. Alliluev<sup>*b*</sup>

<sup>a</sup>Rostov State Medical University, Rostov-on-Don, Russia

<sup>b</sup>Southern Federal University, Rostov-on-Don, Russia
\*e-mail: tnp.rniiap@yandex.ru
Received September 29, 2020
Revised November 26, 2020
Accepted December 17, 2020
DOI: 10.1134/S0022093021010166