

Institute of Physiology of the ASCR, v. v. i.

RIV - actual data collecting

Document types: Impacted Journal Article, Journal Article, Monograph, Monograph Chapter, Proceedings Paper (International conf.), Proceedings Paper (Czech conf.)

Year(s): 2015

Database: ASEP

0428435 - FGU-C 2015 RIV DE eng J - Journal Article

Vošahlíková, Miroslava - Jurkiewicz, Piotr - Roubalová, Lenka - Hof, Martin - Svoboda, Petr

High- and low-affinity sites for sodium in delta-OR-G(i)1 alpha (Cys(351)-Ile(351)) fusion protein stably expressed in HEK293 cells; functional significance and correlation with biophysical state of plasma membrane.

Naunyn-Schmiedeberg's Archives of Pharmacology. Roč. 387, č. 5 (2014), s. 487-502. ISSN 0028-1298

R&D Projects: GA ČR(CZ) GAP207/12/0919; GA ČR(CZ) GBP304/12/G069

Institutional Support: RVO:67985823 ; RVO:61388955

Keywords: delta - opioid receptor * monovalent ions * agonist and antagonist binding * [35S]GTPγS binding * membrane biophysics * Laurdan fluorescence

Subject RIV: CE - Biochemistry

Impact factor: 2.360, year: 2013

Permanent link: <http://hdl.handle.net/11104/0233793>

- [SCOPUS](#)
- [WOS](#)
- [DOI](#)

0428046 - FGU-C 2015 RIV CZ eng J - Journal Article

Vyklický, Vojtěch - Kořínek, Miloslav - Smejkalová, Tereza - Balík, Aleš - Krausová, Barbora - Kaniaková, Martina - Lichnerová, Katarina - Černý, Jiří - Krůšek, Jan - Dittert, Ivan - Horák, Martin - Vyklický ml., Ladislav

Structure, function, and pharmacology of NMDA receptor channels.

Physiological Research. Roč. 63, Suppl.1 (2014), S191-S203. ISSN 0862-8408

R&D Projects: GA ČR(CZ) GAP303/11/0075; GA ČR(CZ) GBP304/12/G069; GA ČR(CZ) GAP303/12/1464; GA ČR(CZ) GPP303/11/P391; GA TA ČR(CZ) TE01020028; GA MŠk(CZ) EE2.3.30.0025; GA MŠk(CZ) ED1.1.00/02.0109

Not R&D Projects: EC(XE) SalmandNmda 276827; Univerzita Karlova(CZ) 800313

Institutional Support: RVO:67985823

Keywords: glutamate receptor * NMDA receptor * ion Channel

Subject RIV: ED - Physiology

Impact factor: 1.487, year: 2013

Permanent link: <http://hdl.handle.net/11104/0233448>

- [SCOPUS](#)
- [WOS](#)

0427789 - FGU-C 2015 RIV CH eng J - Journal Article

Wasková-Arnoštová, P. - Kašparová, D. - Elsnicová, B. - Novotný, J. - Neckář, Jan - Kolář, František - Žurmanová, J.

Chronic Hypoxia Enhances Expression and Activity of Mitochondrial Creatine Kinase and Hexokinase in the Rat Ventricular Myocardium.

Cellular Physiology and Biochemistry. Roč. 33, č. 2 (2014), s. 310-320. ISSN 1015-8987

R&D Projects: GA AV ČR(CZ) IAAX01110901; GA ČR(CZ) GAP303/12/1162

Not R&D Projects: Univerzita Karlova(CZ) 349211; GA AV ČR(CZ) IAA601110908

Institutional Support: RVO:67985823

Keywords: creatine kinase * hexokinase * normobaric hypoxia * left ventricle * right ventricle * mitochondria co-localization

Subject RIV: FA - Cardiovascular Diseases incl. Cardiotharic Surgery

Impact factor: 3.550, year: 2013

Permanent link: <http://hdl.handle.net/11104/0233266>

- [SCOPUS](#)
- [WOS](#)
- [DOI](#)

0431589 - FGU-C 2015 RIV US eng J - Journal Article

Zelenka, Jaroslav - Alán, Lukáš - Jabůrek, Martin - Ježek, Petr

Import of desired nucleic acid sequences using addressing motif of mitochondrial ribosomal 5S-rRNA for fluorescent in vivo hybridization of mitochondrial DNA and RNA.

Journal of Bioenergetics and Biomembranes. Roč. 46, č. 2 (2014), s. 147-156. ISSN 0145-479X

R&D Projects: GA ČR(CZ) GAP305/12/1247; GA ČR(CZ) GPP305/12/P388; GA MŠk(CZ) ED1.1.00/02.0109

Institutional Support: RVO:67985823

Keywords: 5S-rRNA * mitochondrial DNA * nucleic acid import into mitochondria * fluorescent in vivo hybridization of mtDNA * mitochondrial nucleoids

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 2.708, year: 2013

Permanent link: <http://hdl.handle.net/11104/0236224>

- [SCOPUS](#)
- [WOS](#)
- [DOI](#)

0428431 - FGU-C 2015 RIV CZ eng J - Journal Article

Zemková, Hana - Tvrdonová, Vendula - Bhattacharya, Anirban - Jindřichová, Marie

Allosteric modulation of ligand gated ion channels by ivermectin.

Physiological Research. Roč. 63, Suppl.1 (2014), S215-S224. ISSN 0862-8408

R&D Projects: GA AV ČR(CZ) IAA500110910; GA ČR(CZ) GBP304/12/G069; GA ČR(CZ) GPP304/12/P371; GA MŠk(CZ) ED1.1.00/02.0109

Not R&D Projects: Univerzita Karlova(CZ) 3446/2011

Institutional Support: RVO:67985823

Keywords: Cys-loop receptor family * purinergic P2X4 receptor * ivermectin * transmembrane domain

Subject RIV: ED - Physiology

Impact factor: 1.487, year: 2013

Zemková, Hana

Permanent link: <http://hdl.handle.net/11104/0233797>

- [SCOPUS](#)
- [WOS](#)

0427943 - FGU-C 2015 RIV CZ eng J - Journal Article

Zicha, Josef - Behuliak, Michal - Pintérová, Mária - Bencze, Michal - Kuneš, Jaroslav - Vaněčková, Ivana

The interaction of calcium entry and calcium sensitization in the control of vascular tone and blood pressure of normotensive and hypertensive rats.

Physiological Research. Roč. 63, Suppl.1 (2014), S19-S27. ISSN 0862-8408

R&D Projects: GA ČR(CZ) GA305/09/0336; GA ČR(CZ) GAP304/12/0259

Institutional Support: CEZ:AV0Z50110509

Institutional Support: RVO:67985823

Keywords: calcium sensitization * RhoA/Rho kinase * fasudil * calcium entry * nifedipine

Subject RIV: FA - Cardiovascular Diseases incl. Cardiotharic Surgery

Impact factor: 1.487, year: 2013

Zicha, Josef

Permanent link: <http://hdl.handle.net/11104/0233364>

- [SCOPUS](#)

- [WOS](#)

0427945 - FGU-C 2015 RIV CZ eng J - Journal Article

Zicha, Josef - Dobešová, Zdenka - Behuliak, Michal - Pintérová, Mária - Kuneš, Jaroslav - Vaněčková, Ivana

Nifedipine-sensitive blood pressure component in hypertensive models characterized by high activity of either sympathetic nervous system or renin-angiotensin system.

Physiological Research. Roč. 63, č. 1 (2014), s. 13-26. ISSN 0862-8408

R&D Projects: GA MŠK(CZ) 1M0510; GA ČR(CZ) GA305/09/0336; GA ČR(CZ) GAP304/12/0259

Institutional Support: CEZ:AV0Z50110509

Institutional Support: RVO:67985823

Keywords: voltage-gated calcium channels * sympathetic nervous system * renin-angiotensin system * nitric oxide

Subject RIV: FA - Cardiovascular Diseases incl. Cardiothoracic Surgery

Impact factor: 1.487, year: 2013

Zicha, Josef

Permanent link: <http://hdl.handle.net/11104/0233388>

- [SCOPUS](#)

- [WOS](#)

0428969 - FGU-C 2015 RIV CZ eng J - Journal Article

Zicha, Josef - Dobešová, Zdenka - Zídek, Václav - Šilhavý, Jan - Šimáková, Miroslava - Mlejnek, Petr - Vaněčková, Ivana - Kuneš, Jaroslav - Pravenec, Michal

Pharmacogenetic Analysis of Captopril Effects on Blood Pressure: Possible Role of the Ednrb (Endothelin Receptor Type B) Candidate Gene.

Physiological Research. Roč. 63, č. 2 (2014), s. 263-265. ISSN 0862-8408

R&D Projects: GA MŠK(CZ) LH11049

Institutional Support: RVO:67985823

Keywords: captopril * blood pressure * QTL * Ednrb gene * spontaneously hypertensive rat

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 1.487, year: 2013

Permanent link: <http://hdl.handle.net/11104/0234189>

- [SCOPUS](#)

- [WOS](#)

0429217 - FGU-C 2015 RIV NL eng M - Monograph chapter

Horák, Martin - Seabold, G. K. - Petralia, R. S.

Trafficking of Glutamate Receptors and Associated Proteins in Synaptic.

The Synapse: Structure and Function. Amsterdam : Elsevier, 2014 - (Pickel, V.; Segal, M.), s. 221-279 ISBN 978-0--2-418675-0

R&D Projects: GA ČR(CZ) GAP303/11/0075; GA ČR(CZ) GBP304/12/G069; GA ČR(CZ) GAP303/12/1464

Institutional Support: RVO:67985823

Keywords: glutamate receptor * excitatory synapse * intracellular trafficking

Subject RIV: FH - Neurology

Permanent link: <http://hdl.handle.net/11104/0234366>

- [DOI](#)

0432135 - FGU-C 2015 RIV NL eng M - Monograph chapter

Ježek, Petr - Smolková, Katarína - Dvořák, Aleš - Olejář, Tomáš

Emerging Anti-cancer Targets in Mitochondria.

Mitochondria: The Anti-cancer Target for the Third Millennium. Dordrecht : Springer, 2014 - (Neužil, J.; Pervaiz, S.; Fulda, S.), s. 265-290 ISBN 978-94-017-8983-7

R&D Projects: GA ČR GPP301/12/P381

Institutional Support: RVO:67985823

Keywords: cancer * mitochondria * experimental treatment

Subject RIV: FD - Oncology & Hematology

Ježek, Petr

Permanent link: <http://hdl.handle.net/11104/0236619>

- [DOI](#)

0429322 - FGU-C 2015 RIV IN eng M - Monograph chapter

Radošínská, J. - Bačová, B. - Vincenzová, C. - Beňová, T. - Knezl, V. - Žurmanová, J. - Soukup, Tomáš - Goncalvesová, E. - Slezák, J. - Tribulová, N.

Maladaptive Myocardial Responses to Hypertension are Attenuated by Omega-3 Fatty Acids and Red Palm Oil Intake. *Adaptation Biology and Medicine: New Challenges*. Vol. 7. New Delhi : Narosa Publishing House, 2014 - (Popescu, L.; Hargens, A.; Singal, P.), s. 19-34 ISBN 978-81-8487-214-9

R&D Projects: GA ČR(CZ) GA304/08/0256; GA MŠk(CZ) 7AMB12SK158

Institutional Support: CEZ:AV0Z50110509

Institutional Support: RVO:67985823

Keywords: hypertension * arrhythmias * connexin and gap junctions * fibrillations

Subject RIV: EA - Cell Biology

Permanent link: <http://hdl.handle.net/11104/0234446>