

Institute of Molecular Genetics of the ASCR, v. v. i.

ASEP Publications

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

Year(s): 2014

Database: ASEP

0424947 - UMG-J 2014 RIV US eng J - Journal Article

Bhattacharyya, Tanmoy - Reifová, R. - Gregorová, Soňa - Šimeček, Petr - Gergelits, Václav - Mistrik, M. - Martincová, Iva - Piálek, Jaroslav - Forejt, Jiří

X chromosome control of meiotic chromosome synapsis in mouse inter-subspecific hybrids.

PLoS Genetics. Roč. 10, č. 2 (2014), e1004088. ISSN 1553-7404

R&D Projects: GA AV ČR Premium Academiae of the Academy of Sciences of the Czech Republic; GA MŠk(CZ) LD11079; GA ČR GA206/08/0640; GA MŠk ED1.1.00/02.0109

Institutional Support: RVO:68081766 ; RVO:68378050

Keywords: hybrid sterility * meiotic asynapsis * chromosome substitution strains

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 8.167, year: 2013

Permanent link: <http://hdl.handle.net/11104/0230944>

- [DOI](#)
- [Result - RIV](#)

0422663 - UMG-J 2015 RIV US eng J - Journal Article

Cvačková, Zuzana - Matějů, Daniel - Staněk, David

Retinitis Pigmentosa Mutations of SNRNP200 Enhance Cryptic Splice-Site Recognition.

Human Mutation. Roč. 35, č. 3 (2014), s. 308-317. ISSN 1059-7794

R&D Projects: GA ČR GPP301/12/P425; GA ČR GAP302/11/1910; GA AV ČR KAN200520801

Institutional Support: RVO:68378050

Keywords: Retinitis pigmentosa * pre-mRNA splicing * fidelity

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 5.050, year: 2013

Permanent link: <http://hdl.handle.net/11104/0228893>

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

0431748 - UMG-J 2015 RIV US eng M - Monograph chapter

Dráber, Pavel - Sulimenko, Vadym - Sulimenko, Tetyana - Dráberová, Eduarda

Stabilization of Protein by Freeze-Drying in the Presence of Trehalose: A Case Study of Tubulin.

Protein Downstream Processing. Vol. 32. New York : Humana Press INC, 2014 - (Labrou, N.), 443-458 ISBN 978-1-627-3-976-5

R&D Projects: GA ČR GAP302/10/1701; GA ČR GAP302/12/1673; GA ČR GPP302/11/P709; GA MŠk LH12050; GA AV ČR M200521203

Institutional Support: RVO:68378050

Keywords: Freeze-drying * Microtubules * Stability * Trehalose * Tubulin

Subject RIV: EB - Genetics & Molecular Biology

Permanent link: <http://hdl.handle.net/11104/0236325>

- [WOS](#)

- [DOI](#)

0428332 - UMG-J 2014 RIV US eng J - Journal Article

Flachs, Petr - Bhattacharyya, Tanmoy - Mihola, Ondřej - Piálek, Jaroslav - Forejt, Jiří - Trachtulec, Zdeněk

Prdm9 incompatibility controls oligospermia and delayed fertility but no selfish transmission in mouse intersubspecific hybrids.

PLoS ONE. Roč. 9, č. 4 (2014), e95806. ISSN 1932-6203

R&D Projects: GA ČR GAP305/10/1931; GA ČR GA206/08/0640; GA ČR(CZ) GPP305/11/P630

Institutional Support: RVO:68378050 ; RVO:68081766

Keywords: hybrid sterility * meiosis * segregation distortion

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 3.534, year: 2013

Permanent link: <http://hdl.handle.net/11104/0233683>

- [WOS](#)
- [DOI](#)
- [Result - RIV](#)

0427735 - UOCHB-X 2015 RIV US eng J - Journal Article

Grantz Šašková, Klára - Kožíšek, Milan - Stray, K. - Jong de, D. - Řezáčová, Pavlína - Brynda, Jiří - Maarseveen van, N. M. - Nijhuis, M. - Cihlár, T. - Konvalinka, Jan

GS-8374, a Prototype Phosphonate-Containing Inhibitor of HIV-1 Protease, Effectively Inhibits Protease Mutants with Amino Acid Insertions.

Journal of Virology. Roč. 88, č. 6 (2014), s. 3586-3590. ISSN 0022-538X

R&D Projects: GA ČR GAP207/11/1798

Not R&D Projects: OPPC(XE) CZ.2.16/3.1.00/24016

Institutional Support: RVO:61388963 ; RVO:68378050

Keywords: virus type-1 protease * antiviral activity * drug resistance

Subject RIV: EE - Microbiology, Virology

Impact factor: 4.648, year: 2013

Permanent link: <http://hdl.handle.net/11104/0233311>

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

0429904 - UOCHB-X 2015 RIV US eng J - Journal Article

Horn, Martin - Fajtová, Pavla - Arreola, L. R. - Ulrychová, Lenka - Bartošová, Pavla - Franta, Zdeněk - Protasio, A. V. - Opavský, David - Vondrášek, Jiří - McKerrow, J. H. - Mareš, Michael - Caffrey, C. R. - Dvořák, Jan

Trypsin- and Chymotrypsin-Like Serine Proteases in *Schistosoma mansoni* - 'The Undiscovered Country'.

PLoS Neglected Tropical Diseases. Roč. 8, č. 3 (2014), e2766/1-e2766/13. ISSN 1935-2735

R&D Projects: GA ČR(CZ) GAP302/11/1481; GA MŠk(CZ) ME10011

Not R&D Projects: Seventh Framework Programme of the European Union(XE) FP7-248642 Marie Curie

Institutional Support: RVO:61388963 ; RVO:68378050 ; RVO:60077344

Keywords: schistosomiasis * blood fluke * serine protease

Subject RIV: CE - Biochemistry; EB - Genetics & Molecular Biology; FN - Epidemiology, Contagious Diseases & Clinical Immunology

Impact factor: 4.489, year: 2013

<http://www.plosntds.org/article/info%3Adoi%2F10.1371%2Fjournal.pntd.0002766>

Permanent link: <http://hdl.handle.net/11104/0234956>

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

0431767 - BC-A 2015 RIV US eng J - Journal Article

Huang, Zhenqiu - Kaltenbrunner, S. - Staněk, David - Lukeš, Julius - Hashimi, Hassan

Dynamics of Mitochondrial RNA-Binding Protein Complex in Trypanosoma brucei and Its Petite Mutant under Optimized Immobilization Conditions.

Eukaryotic Cell. Roč. 13, č. 9 (2014), s. 1232-1240. ISSN 1535-9778

R&D Projects: GA ČR GAP305/12/2261

Not R&D Projects: Bioglobe CZ.1.07/2.3.00/ 30.0032

Institutional Support: RVO:60077344 ; RVO:68378050

Keywords: mitochondrion * Trypanosoma brucei * YFP

Subject RIV: EB - Genetics & Molecular Biology; EB - Genetics & Molecular Biology

Impact factor: 3.179, year: 2013

Permanent link: <http://hdl.handle.net/11104/0236332>

- [DOI](#)

0428996 - UMG-J 2015 RIV US eng J - Journal Article

Chalupníková, Kateřina - Šolc, Petr - Sulimenko, Vadym - Sedláček, Radislav - Svoboda, Petr

An oocyte-specific ELAVL2 isoform is a translational repressor ablated from meiotically competent antral oocytes.

Cell Cycle. Roč. 13, č. 7 (2014), s. 1187-1200. ISSN 1538-4101

R&D Projects: GA ČR(CZ) GBP305/12/G034; GA MŠk LH13084; GA ČR(CZ) GPP301/11/P081; GA ČR GPP302/11/P709; GA MŠk(CZ) LM2011032; GA MŠk ED2.1.00/03.0124

Institutional Support: RVO:68378050 ; RVO:67985904

Keywords: ELAVL2 * NSN * SN * chromatin * oocyte * ARE

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 5.006, year: 2013

Permanent link: <http://hdl.handle.net/11104/0234205>

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

0429620 - UZFG-Y 2015 RIV US eng J - Journal Article

Komrsková, Pavla - Šušor, Andrej - Malík, Radek - Procházková, Barbora - Lišková, Lucie - Šuplíková, Jaroslava - Hladký, Štěpán - Kubelka, Michal

Aurora Kinase A Is Not Involved in CPEB1 Phosphorylation and cyclin B1 mRNA Polyadenylation during Meiotic Maturation of Porcine Oocytes.

PLoS ONE. Roč. 9, č. 7 (2014), e101222-e101222. ISSN 1932-6203

R&D Projects: GA ČR GAP502/10/0944; GA ČR GA13-12291S; GA ČR GAP502/12/2201

Institutional Support: RVO:67985904 ; RVO:68378050

Keywords: Aurora Kinase A

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 3.534, year: 2013

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0101222>

Permanent link: <http://hdl.handle.net/11104/0234713>

- [DOI](#)

0427922 - UOCHB-X 2015 RIV GB eng J - Journal Article

Kožíšek, Milan - Lepšík, Martin - Grantz Šašková, Klára - Brynda, Jiří - Konvalinka, Jan - Řezáčová, Pavlína

Thermodynamic and structural analysis of HIV protease resistance to darunavir - analysis of heavily mutated patient-derived HIV-1 proteases.

FEBS Journal. Roč. 281, č. 7 (2014), s. 1834-1847. ISSN 1742-464X

R&D Projects: GA ČR GAP207/11/1798

Not R&D Projects: OPPC(XE) CZ.2.16/3.1.00/24016

Institutional Support: RVO:61388963 ; RVO:68378050

Keywords: entropic contribution * HIV protease inhibitors * isothermal titration calorimetry * resistance mutation * X-ray crystallography

Subject RIV: CE - Biochemistry

Impact factor: 3.986, year: 2013

Permanent link: <http://hdl.handle.net/11104/0233503>

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

0427976 - BFU-R 2015 RIV US eng J - Journal Article

Kříž, Vítězslav - Pospíchalová, V. - Mašek, Jan - Kilander, M.B.C. - Slavík, J. - Tanneberger, K. - Schulte, G. - Machala, M. - Kozubík, Alois - Behrens, J. - Bryja, Vítězslav

beta-Arrestin Promotes Wnt-induced Low Density Lipoprotein Receptor-related Protein 6 (Lrp6) Phosphorylation via Increased Membrane Recruitment of Amer1 Protein.

Journal of Biological Chemistry. Roč. 289, č. 2 (2014), s. 1128-1141. ISSN 0021-9258

R&D Projects: GA ČR(CZ) GA204/09/0498; GA ČR(CZ) GA13-32990S

Not R&D Projects: GA ČR(CZ) GC204/09/J030

Institutional Support: RVO:68081707 ; RVO:68378050

Keywords: CONVERGENT EXTENSION MOVEMENTS * SIGNALING PATHWAYS * IN-VIVO

Subject RIV: BO - Biophysics; EB - Genetics & Molecular Biology

Impact factor: 4.600, year: 2013

Permanent link: <http://hdl.handle.net/11104/0233415>

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

0423251 - UMG-J 2014 RIV US eng J - Journal Article

Ono, H. - Kozmik, Zbyněk - Yu, J.K. - Wada, H.

A novel N-terminal motif is responsible for the evolution of neural crest-specific gene-regulatory activity in vertebrate FoxD3.

Developmental Biology. Roč. 385, č. 2 (2014), s. 396-404. ISSN 0012-1606

R&D Projects: GA ČR GAP305/10/2141

Institutional Support: RVO:68378050

Keywords: neural crest * FoxD3 * amphioxus

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 3.637, year: 2013

Permanent link: <http://hdl.handle.net/11104/0229378>

- [WOS](#)
- [DOI](#)
- [Result - RIV](#)

0431750 - UMG-J 2015 RIV NL eng J - Journal Article

Stegurová, Lucie - Dráberová, Eduarda - Bartoš, A. - Dráber, Pavel - Řípková, D. - Dráber, Peter

Gold nanoparticle-based immuno-PCR for detection of tau protein in cerebrospinal fluid.

Journal of Immunological Methods. Roč. 406, - (2014), 137-142. ISSN 0022-1759

R&D Projects: GA AV ČR KAN200520701; GA TA ČR TA01010436; GA ČR GAP302/12/1673; GA ČR(CZ)

GBP302/12/G101; GA MPO FR-TI3/067

Institutional Support: RVO:68378050

Keywords: Gold nanoparticles * Tau protein * ELISA * PCR

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 2.005, year: 2013

Permanent link: <http://hdl.handle.net/11104/0236326>

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

0431703 - UMG-J 2015 RIV GB eng J - Journal Article

Stejskalová, Eva - Staněk, David

The splicing factor U1-70K interacts with the SMN complex and is required for nuclear gem integrity.

Journal of Cell Science. Roč. 127, č. 18 (2014), s. 3909-3915. ISSN 0021-9533

R&D Projects: GA ČR GAP302/11/1910; GA AV ČR M200521206

Institutional Support: RVO:68378050

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 5.325, year: 2013

Permanent link: <http://hdl.handle.net/11104/0236287>

- [DOI](#)

0431291 - FGU-C 2015 RIV US eng J - Journal Article

Šilhavý, Jan - Zídek, Václav - Mlejnek, Petr - Landa, Vladimír - Šimáková, Miroslava - Strnad, Hynek - Oliarynyk, O. - Škop, V. - Kazdová, L. - Kurtz, T. - Pravenec, Michal

Fumaric Acid Esters Can Block Pro-Inflammatory Actions of Human CRP and Ameliorate Metabolic Disturbances in Transgenic Spontaneously Hypertensive Rats.

PLoS ONE. Roč. 9, č. 7 (2014), e101906. ISSN 1932-6203

R&D Projects: GA MZd(CZ) NT14325; GA MŠk(CZ) LH12061; GA MŠk(CZ) LL1204

Institutional Support: RVO:67985823 ; RVO:68378050

Keywords: fumaric acid esters * C-reactive protein * transgenic * spontaneously hypertensive rat

Subject RIV: EB - Genetics & Molecular Biology

Impact factor: 3.534, year: 2013

Permanent link: <http://hdl.handle.net/11104/0235898>

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

0429301 - UOCHB-X 2015 CZ eng C - Proceedings Paper (International conf.)

Šimák, Ondřej - Páchl, Petr - Jandoušek, Tomáš - Brynda, Jiří - Buděšínský, Miloš - Rosenberg, Ivan

Bi-substrate inhibitors of human pyrimidine 5'-nucleosidases.

Chemistry of Nucleic Acid Components. 16th Symposium. Praha : Institute of Organic Chemistry and Biochemistry AS CR, v. v. i, 2014 - (Hocek, M.), s. 381-382 ISBN 978-80-86241-50-0. - (Collection Symposium Series. 14).

[Symposium on Chemistry of Nucleic Acid Components /16./. Český Krumlov (CZ), 08.06.2014-13.06.2014]

R&D Projects: GA ČR GA13-26526S; GA ČR GA13-24880S

Institutional Support: RVO:61388963 ; RVO:68378050

Keywords: 5'-nucleosidases * NPAs * bi-substrate inhibitors

Subject RIV: CC - Organic Chemistry

Permanent link: <http://hdl.handle.net/11104/0234531>