

Biomeditsiinilised uuringud Keemilise ja Bioloogilise Füüsika Instituudis
Kogerman, Priit; Saks, Valdur Teadusmõte Eestis : arstiteadus 2005 / lk. 87-91

Biophysics of the organized metabolic networks in muscle and brain cells

Saks, Valdur; Aliev, M.; Guzun, Rita; Beraud, Nathalie; Monge, Claire; **Anmann, Tiia**; Kuznetsov, A.V.; Seppet, Enn Recent Res.Devel.Biophys 2006 / p. 269-318

Coupled creatine kinase systems in cardiac cells and synaptosomes : a comparative kinetic study

Anmann, Tiia; Monge, Claire; Beraud, Nathalie; Pelloux, Sophie; Tourneur, Yves; Saks, Valdur Biophysical Society meeting abstracts : Biophysical journal supplement 2007 / p. 621A

https://www.researchgate.net/publication/296111529_Coupled_creatine_kinase_systems_in_cardiac_cells_and_synaptosomes_A_comparative_kinetic_study

Different kinetics of the regulation of respiration in permeabilized cardiomyocytes and in HL-1 cardiac cells : importance of cell structure/organization for respiration regulation

Anmann, Tiia; Guzun, Rita; Beraud, Nathalie; Pelloux, Sophie; Kuznetsov, Andrey V.; **Kogerman, Lembi**; Käämbre, Tuuli; Sikk, Peeter; Paju, Kalju; Peet, Nadja; Seppet, Enn; Ojeda, Carlos; Tourneur, Yves; Saks, Valdur Biochimica et biophysica acta 2006 / 12, p. 1597-1606 : ill <https://www.sciencedirect.com/science/article/pii/S0005272806003070>

In situ monitoring of kinetics of metabolic conversion of ATP to ADP catalyzed by MgATPases of muscle Gastrocnemius skinned fibers using micellar electrokinetic chromatography

Kulp, Maria; **Kaljurand, Mihkel**; Käämbre, Tuuli; Sikk, Peeter; Saks, Valdur Electrophoresis 2004 / 17, p. 2996-3002 : ill

Integrated and organized cellular bioenergetic systems in heart and brain

Anmann, Tiia 2007 http://www.ester.ee/record=b2281020*est

Intracellular diffusion of adenosine phosphates is locally restricted in cardiac muscle

Vendelin, Marko; Eimre, Margus; Seppet, Evelin; Peet, Nadežda; Andrienko, Tatiana; **Lemba, Maris**; **Engelbrecht, Jüri**; Seppet, Enn; Saks, Valdur Molecular and cellular biochemistry 2004 / p. 229-241 : ill

Investigation of interactions between mitochondrial creatine kinase and ATP/ADP channel

Karu-Varikmaa, Minna; **Metsis, Madis**; Guzun, Rita; Käämbre, Tuuli; Grichine, Alexei; Saks, Valdur FEBS journal 2011 / p. 374-375

Kahe tuhande kaheksanda aasta teaduspreemia geo- ja bioteaduste alal tööde tsükli "Molekulaarne süsteemne bioenergeetika" eest : [Valdur Saks (kollektiivi juht), Jüri Engelbrecht, Enn Seppet, Marko Vendelin]

Saks, Valdur; **Engelbrecht, Jüri**; **Seppet, Enn**; **Vendelin, Marko** Teadusmõte Küberneetika Instituudis 2010 / lk. 120-130 : ill

Mitochondria–cytoskeleton interaction : distribution of β -tubulins in cardiomyocytes and HL-1 cells

Guzun, Rita; Karu-Varikmaa, Minna; Gonzalez-Granillo, Marcela; Kuznetsov, Andrey V.; Michel, Laurianne; Cottet-Rousselle, Cecile; **Saaremäe, Merle**; Käämbre, Tuuli; **Metsis, Madis**; Grimm, Michael; Auffray, Charles; Saks, Valdur Biochimica et biophysica acta 2011 / p. 458-469 : ill

Mitochondrial interactosome in energy metabolism in healthy and cancer cells

Gonzalez-Granillo, Marcela; Karu-Varikmaa, Minna; **Saaremäe, Merle**; Michel, Laurianne; Käämbre, Tuuli; Saks, Valdur; Guzun, Rita Biophysical journal 2011 / p. 298a-299a

Modeling of the coupled enzyme systems : model of mitochondrial creatine kinase (miCK) and adenine nucleotide translocase (ANT) coupling

Vendelin, Marko; **Anmann, Tiia**; **Käämbre, Tuuli**; Sikk, Peeter; Saks, Valdur Biophysical Society meeting abstracts : Biophysical journal supplement 2007 / p. 660A

Molecular system bioenergetics of cardiac cells : quantitative analysis of structure-function relationship

Tepp, Kersti 2011

Molekulaarne süsteemne bioenergeetika : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile

Saks, Valdur; **Engelbrecht, Jüri**; **Seppet, Enn**; **Vendelin, Marko** Tallinna Tehnikaülikooli aastaraamat 2008 2009 / lk. 291-298 : ill

Novel method for investigation of interactions between mitochondrial creatine kinase and adenine nucleotide translocase

Varikmaa, Minna; **Metsis, Madis**; Guzun, Rita; Käämbre, Tuuli; Grichine, Alexei; Saks, Valdur Biophysical journal 2010 / lss. 3, Suppl. 1, p. 735a

Regulation of mitochondrial respiration by different tubulin isoforms in vivo

Karu-Varikmaa, Minna; **Saaremäe, Merle**; Sikk, Peeter; Käämbre, Tuuli; **Metsis, Madis**; Saks, Valdur Biophysical journal 2011 / p. 459a

Structural and functional studies of mitochondrial respiration regulation in muscle cells = Lihasrakkude mitokondriaalse hingamise regulatsiooni struktuursed ja funktsionaalsed uuringud

Varikmaa, Minna; Saks, Valdur; **Metsis, Madis** 2013 https://www.ester.ee/record=b3035829*est

Study of possible interactions of tubulin, microtubular network, and STOP protein with mitochondria in muscle cells

Guerrero, Karen; Monge, Claire; Brückner, Anna; **Puurand, Ülo; Kadaja, Lumme**; Käämbre, Tuuli; **Seppet, Enn**; Saks, Valdur
Molecular and cellular biochemistry 2010 / 1/2, p. 239-249 : ill

Teaduspreemia geo- ja bioteaduste alal tööde tsükli "Molekulaarne süsteemne bioenergeetika" eest : Valdur Saks (kollektiivi juht), Jüri Engelbrecht, Enn Seppet, Marko Vendelin

Saks, Valdur; **Engelbrecht, Jüri**; Seppet, Enn; **Vendelin, Marko** Eesti Vabariigi teaduspreemiad 2008 2008 / lk. 110-123 : fot., ill

The effect of the trimer of 16,16-dimethyl-15-keto-PGB1 on metabolic and functional post-ischemic recovery of the heart

Martin, Ivar; Männik, Erik; **Lille, Ülo**; Lakomkin, Vladimir; Steinschneider, Aleksandr; Kuznetsov, Andrei; Ljapina, Svetlana; Saks, Valdur
Proceedings of the Estonian Academy of Sciences. Biology 1996 / 3/4, p. 93-101: ill

The role of the mitochondrial outer membrane in in vivo regulation of respiration in normal heart and skeletal muscle cells = Étude du contrôle de la respiration mitochondriale des cellules musculaires - rôle de la membrane externe

Tiivel, Toomas 2002 https://www.ester.ee/record=b1655726*est