

### **An attempt to separating cardiac and respiratory components from EBI dataset through conventional filtering method**

Mughal, Yar M. Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 61-64 : ill

### **Cardiac muscle regulatory units are predicted to interact stronger than neighboring cross-bridges**

Kalda, Mari; Vendelin, Marko Biophysical journal 2018 / p. 549a <https://doi.org/10.1016/j.bpj.2017.11.2998>

### **Energetics and calcium handling in hearts from creatine-deficient mice = Energeetika ja kaltsiumi käitlemine kreatiini puudulike hiirte südames**

Branovets, Jelena 2022 <https://doi.org/10.23658/taltech.56/2022> <https://digikogu.taltech.ee/et/Item/36325289-f635-4816-bddc-2246206e6dc1> [https://www.ester.ee/record=b5511927\\*est](https://www.ester.ee/record=b5511927*est)

### **Life-long creatine deficiency leads to adaptations in calcium handling but not heart failure**

Branovets, Jelena; Laasmaa, Martin; Stolova, Jekaterina; Shen, Xin; Ratsepso, Triinu; Balodis, Mihkel Jaan; Grahv, Carolin; Hendrikson, Eliise; Louch, William Edward; Birkedal, Rikke Biophysical Journal 2024 / p. 458A-459A <https://doi.org/10.1016/j.bpj.2023.11.2785>

### **Live-cell photoactivated localization microscopy correlates nanoscale ryanodine receptor configuration to calcium sparks in cardiomyocytes**

Hou, Yufeng; Laasmaa, Martin; Li, Jia; Shen, Xin; Manfra, Ornella; Nordén, Einar S.; Le, Christopher; Zhang, Lili; Sjaastad, Ivar; Jones, Peter P.; Soeller, Christian; Louch, William Edward Nature cardiovascular research 2023 / p. 251-267 <https://doi.org/10.1038/s44161-022-00199-2>

### **Localized CaMKII movement towards the Z-line mediates RyR phosphorylation in cardiomyocytes**

Bergan-Dahl, Anna; Carlson, Cathrine R.; Laasmaa, Martin; Norden, Einar; Sjaastad, Ivar; Louch, William; Shen, Xin Journal of molecular and cellular cardiology 2022 / art. S142 <https://doi.org/10.1016/j.yjmcc.2022.08.280>

### **Localized CaMKII $\delta$ movement at the RyR nanodomain mediates RyR phosphorylation**

Bergan-Dahl, A.; Carlson, C. R.; Laasmaa, Martin; Norden, E. S.; Sjaastad, I.; Louch, W. E.; Shen, X. Acta physiologica 2022 / p. 107-108 <https://onlinelibrary.wiley.com/doi/epdf/10.1111/apha.13875>

### **Macrovascular complications of type 2 diabetes mellitus**

Viigimaa, Margus; Sachinidis, Alexandros; Toumpourleka, Maria; Koutsampasopoulos, Konstantinos; Alliksoo, Signe; Titma, Tiina Current Vascular Pharmacology 2020 / p. 110 - 116 : ill <https://doi.org/10.2174/157016117666190405165151> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Mis on südamepuudulikkus?**

Viigimaa, Margus Äripäev 2018 / lk. 14

### **An overview of the impedance models of the thorax and the origin of the impedance cardiography signal for modelling of the impedance signals**

Mughal, Yar M.; Annus, Paul; Min, Mart; Gordon, Rauno 2014 IEEE International Conference on Biomedical Engineering and Sciences : 8th-10th December 2014, Miri-Malaysia : conference proceedings 2014 / p. 526-531 : ill

### **A prediction model for chronic heart failure in patients with type 2 diabetes mellitus**

Koteliukh, Mariia; Bokova, Svitlana; Demikhova, Nadiia; Lantukhova, Nataliia Clinical and Preventive Medicine 2025 / p. 105-111 <https://doi.org/10.31612/2616-4868.2.2025.13>

### **Prolonged $\beta$ -adrenergic stimulation disperses ryanodine receptor clusters in cardiomyocytes: Implications for heart failure**

Shen, Xin; van den Brink, Jonas; Bergan-Dahl, Anna; Kolstad, Terje; Norden, Einar; Hou, Yufeng; Laasmaa, Martin; Quick, Ann; Espe, Emil; Sjaastad, Ivar Journal of molecular and cellular cardiology 2022 / p. S151 <https://doi.org/10.1016/j.yjmcc.2022.08.297>

### **Regression based model of the impedance cardiac and respiratory signals for the development of a bio-impedance signal simulator**

Mughal, Yar M; Annus, Paul Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 15-18 : ill

### **Separation of cardiac and respiratory components from the electrical bio-impedance signal using PCA and fast ICA**

Mughal, Yar M.; Krivošei, Andrei; Annus, Paul International Conference on Control Engineering & Information Technology (CEIT'13), Sousse, Tunisia, June 04-07, 2013 : [proceedings] 2013 / [4] p

### **2023 ESC Guidelines for the management of cardiovascular disease in patients with diabetes : developed by the task force on the management of cardiovascular disease in patients with diabetes of the European Society of Cardiology (ESC)**

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