

- Cömert, Alper ja Jari Hyttinen. "A motion artifact generation and assessment system for the rapid testing of surface biopotential electrodes". *Physiological Measurement*. 2015, 36(1). 1-25. <https://doi.org/10.1088/0967-3334/36/1/1>
- Cervinka, Tomas et al. "A new algorithm to improve assessment of cortical bone geometry in pQCT". *Bone*. 2015, 81. 721-730. <https://doi.org/10.1016/j.bone.2015.09.015>
- Ormiskangas, Jaakko et al. "Assessment of PIV performance in validating CFD models from nasal cavity CBCT scans". *Respiratory Physiology and Neurobiology*. 2020. 282. <https://doi.org/10.1016/j.resp.2020.103508>
- Paci, Michelangelo et al. "Automatic optimization of an in silico model of human iPSC derived cardiomyocytes recapitulating calcium handling abnormalities". *Frontiers in Physiology*. 2018. 9(JUN). <https://doi.org/10.3389/fphys.2018.00709>
- Mokkila, Sini et al. "Calcium Assists Dopamine Release by Preventing Aggregation on the Inner Leaflet of Presynaptic Vesicles". *ACS Chemical Neuroscience*. 2017, 8(6). 1242-1250. <https://doi.org/10.1021/acscchemneuro.6b00395>
- Owen, Michael C. et al. "Cholesterol Protects the Oxidized Lipid Bilayer from Water Injury: An All-Atom Molecular Dynamics Study". *Journal of Membrane Biology*. 2018, 251(3). 521-534. <https://doi.org/10.1007/s00232-018-0028-9>
- Vagos, Márcia R.S.S. et al. "Computational modeling of electrophysiology and pharmacotherapy of atrial fibrillation: Recent advances and future challenges". *Frontiers in Physiology*. 2018. 9(SEP). <https://doi.org/10.3389/fphys.2018.01221>
- Korpinen, Leena, Harri Kuisti ja Jarmo Elovaara. "Current densities and total contact currents during forest clearing tasks under 400kV power lines". *Bioelectromagnetics*. 2016, 37(6). 423-428. <https://doi.org/10.1002/bem.21980>
- Järvinen, Päivi M. et al. "Cysteine-rich protein 1 is regulated by transforming growth factor- $\beta$ 1 and expressed in lung fibrosis". *Journal of Cellular Physiology*. 2012, 227(6). 2605-2612. <https://doi.org/10.1002/jcp.23000>
- Medan, Violeta et al. "Differential processing in modality-specific Mauthner cell dendrites". *Journal of Physiology*. 2018, 596(4). 667-689. <https://doi.org/10.1113/JP274861>
- Nikander, R. et al. "Effect of exercise on bone structural traits, physical performance and body composition in breast cancer patients - A 12-month RCT". *Journal of Musculoskeletal and Neuronal Interactions*. 2012, 12(3). 127-135.
- Rantanen, Tuomo et al. "Effect of Omeprazole Dose, Nonsteroidal Anti-inflammatory Agents, and Smoking on Repair Mechanisms in Acute Peptic Ulcer Bleeding". *Digestive Diseases and Sciences*. 2014, 59(11). 2666-2674. <https://doi.org/10.1007/s10620-014-3242-z>
- Björk, Susann et al. "Evaluation of optogenetic electrophysiology tools in human stem cell-derived cardiomyocytes". *Frontiers in Physiology*. 2017. 8(NOV). <https://doi.org/10.3389/fphys.2017.00884>
- Juchheim, Julia et al. "How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees". *TREES-STRUCTURE AND FUNCTION*. 2017, 31(5). 1723-1735. <https://doi.org/10.1007/s00468-017-1581-z>
- Sciacca, Michele F.M. et al. "Inhibition of A $\beta$  Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry". *ACS Chemical Neuroscience*. 2017, 8(8). 1767-1778. <https://doi.org/10.1021/acscchemneuro.7b00110>
- Lolicato, Fabio et al. "Membrane-Dependent Binding and Entry Mechanism of Dopamine into Its Receptor". *ACS Chemical Neuroscience*. 2020, 11(13). 1914-1924. <https://doi.org/10.1021/acscchemneuro.9b00656>

- Heikkinen, H. et al. "Mesopic background lights enhance dark-adapted cone ERG flash responses in the intact mouse retina: A possible role for gap junctional decoupling". *Journal of Neurophysiology*. 2011, 105(5). 2309-2318. <https://doi.org/10.1152/jn.00536.2010>
- Kangas, Pauliina et al. "Metabolic syndrome is associated with decreased heart rate variability in a sex-dependent manner: a comparison between 252 men and 249 women". *Clinical Physiology and Functional Imaging*. 2019, 39(2). 160-167. <https://doi.org/10.1111/cpf.12551>
- Hosin, Ali A. et al. "MicroRNAs in atherosclerosis". *Journal of Vascular Research*. 2014, 51(5). 338-349. <https://doi.org/10.1159/000368193>
- Harju, Jarkko et al. "Monitoring of heart rate and inter-beat intervals with wrist plethysmography in patients with atrial fibrillation". *Physiological Measurement*. 2018. 39(6). <https://doi.org/10.1088/1361-6579/aac9a9>
- Ryan Geyer, R. et al. "Movement of NH<sub>3</sub> through the human urea transporter B: A new gas channel". *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*. 2013, 304(12). 1447-1457. <https://doi.org/10.1152/ajprenal.00609.2012>
- Pecha, Simon et al. "Normalization of force to muscle cross-sectional area: A helpful attempt to reduce data scattering in contractility studies?". *Acta Physiologica*. 2018. 224(4). <https://doi.org/10.1111/apha.13202>
- Wnętrzak, Anita et al. "Oxysterols Versus Cholesterol in Model Neuronal Membrane. I. The Case of 7-Ketocholesterol. The Langmuir Monolayer Study". *Journal of Membrane Biology*. 2017, 250(5). 553-564. <https://doi.org/10.1007/s00232-017-9984-8>
- Rissanen, Sami et al. "Phase partitioning of GM1 and its bodipy-labeled analog determine their different binding to Cholera Toxin". *Frontiers in Physiology*. 2017. 8(MAY). <https://doi.org/10.3389/fphys.2017.00252>
- Lau, Alvaro et al. "Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling". *Trees - Structure and Function*. 2018, 32(5). 1219-1231. <https://doi.org/10.1007/s00468-018-1704-1>
- Bartolucci, Chiara et al. "Simulation of the Effects of Extracellular Calcium Changes Leads to a Novel Computational Model of Human Ventricular Action Potential With a Revised Calcium Handling". *Frontiers in Physiology*. 2020. 11. <https://doi.org/10.3389/fphys.2020.00314>
- Johansson, Julia K. et al. "Sodium channels enable fast electrical signaling and regulate phagocytosis in the retinal pigment epithelium". *BMC BIOLOGY*. 2019. 17(1). <https://doi.org/10.1186/s12915-019-0681-1>
- Repacholi, Michael H. et al. "Systematic review of wireless phone use and brain cancer and other head tumors". *Bioelectromagnetics*. 2012, 33(3). 187-206. <https://doi.org/10.1002/bem.20716>
- Kalli, Antreas C. et al. "The Integrin Receptor in Biologically Relevant Bilayers: Insights from Molecular Dynamics Simulations". *Journal of Membrane Biology*. 2017, 250. 337-351. <https://doi.org/10.1007/s00232-016-9908-z>
- Gracia-Tabuenca, Javier et al. "Tidal breathing flow profiles during sleep in wheezing children measured by impedance pneumography". *Respiratory Physiology and Neurobiology*. 2020. 271. <https://doi.org/10.1016/j.resp.2019.103312>
- Narra, Nathaniel et al. "μCT based assessment of mechanical deformation of designed PTMC scaffolds". *Clinical Hemorheology and Microcirculation*. 2015, 60(1). 99-108. <https://doi.org/10.3233/CH-151931>