

Ormiskangas J, Valtonen O, Kivekäs I, Dean M, Poe D, Järnstedt J et al. **Assessment of PIV performance in validating CFD models from nasal cavity CBCT scans.** *Respiratory Physiology and Neurobiology.* 2020 marras 1;282. 103508. <https://doi.org/10.1016/j.resp.2020.103508>

Bartolucci C, Passini E, Hyttinen J, Paci M, Severi S. **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 huhti 15;11. 314. <https://doi.org/10.3389/fphys.2020.00314>

Lolicato F, Juhola H, Zak A, Postila PA, Saukko A, Rissanen S 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/acscemneuro.9b00656>

Gracia-Tabuenca J, Seppä V-P, Jauhiainen M, Paassilta M, Viik J, Karjalainen J. **Tidal breathing flow profiles during sleep in wheezing children measured by impedance pneumography.** *Respiratory Physiology and Neurobiology.* 2020;271. 103312. <https://doi.org/10.1016/j.resp.2019.103312>

Johansson JK, Karema-Jokinen VI, Hakanen S, Jylhä A, Uusitalo H, Vihinen-Ranta M et al. **Sodium channels enable fast electrical signaling and regulate phagocytosis in the retinal pigment epithelium.** *BMC BIOLOGY.* 2019 elo 15;17(1). 63. <https://doi.org/10.1186/s12915-019-0681-1>

Kangas P, Tikkakoski A, Uitto M, Viik J, Bouquin H, Niemelä O 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 maaliskuu;39(2):160-167. <https://doi.org/10.1111/cpf.12551>

Pecha S, Koivumäki J, Geelhoed B, Kempe R, Berk E, Engel A et al. **Normalization of force to muscle cross-sectional area: A helpful attempt to reduce data scattering in contractility studies?** *Acta Physiologica.* 2018 joulukuu 1;224(4). e13202. <https://doi.org/10.1111/apha.13202>

Lau A, Bentley LP, Martius C, Shenkin A, Bartholomeus H, Raunonen P et al. **Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling.** *Trees - Structure and Function.* 2018 loka;32(5):1219-1231. <https://doi.org/10.1007/s00468-018-1704-1>

Vagos MRSS, van Herck IGM, Sundnes J, Arevalo HJ, Edwards AG, Koivumäki JT. **Computational modeling of electrophysiology and pharmacotherapy of atrial fibrillation: Recent advances and future challenges.** *Frontiers in Physiology.* 2018 syys 4;9(SEP). 1221. <https://doi.org/10.3389/fphys.2018.01221>

Paci M, Pölonen R-P, Cori D, Penttinen K, Aalto-Setälä K, Severi S et al. **Automatic optimization of an in silico model of human iPSC derived cardiomyocytes recapitulating calcium handling abnormalities.** *Frontiers in Physiology.* 2018 kesä 26;9(JUN). 709. <https://doi.org/10.3389/fphys.2018.00709>

Harju J, Tarniceriu A, Parak J, Vehkaoja A, Yli-Hankala A, Korhonen I. **Monitoring of heart rate and inter-beat intervals with wrist plethysmography in patients with atrial fibrillation.** *Physiological Measurement.* 2018 kesä 26;39(6). 065007. <https://doi.org/10.1088/1361-6579/aac9a9>

Owen MC, Kulig W, Rog T, Vattulainen I, Strodel B. **Cholesterol Protects the Oxidized Lipid Bilayer from Water Injury: An All-Atom Molecular Dynamics Study.** *Journal of Membrane Biology.* 2018 kesä;251(3):521-534. <https://doi.org/10.1007/s00232-018-0028-9>

Medan V, Mäki-Marttunen T, Sztarker J, Preuss T. **Differential processing in modality-specific Mauthner cell dendrites.** *Journal of Physiology.* 2018;596(4):667-689. <https://doi.org/10.1113/JP274861>

Björk S, Ojala EA, Nordström T, Ahola A, Liljeström M, Hyttinen J et al. **Evaluation of optogenetic electrophysiology tools in human stem cell-derived cardiomyocytes.** *Frontiers in Physiology.* 2017 marras 2;8(NOV). 884. <https://doi.org/10.3389/fphys.2017.00884>

Sciaccia MFM, Romanucci V, Zarrelli A, Monaco I, Lolicato F, Spinella N et al. **Inhibition of A β Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry.** ACS Chemical Neuroscience. 2017 elo 16;8(8):1767-1778. <https://doi.org/10.1021/acscemneuro.7b00110>

Juchheim J, Annighöfer P, Ammer C, Calders K, Raunonen P, Seidel D. **How management intensity and neighborhood composition affect the structure of beech (*Fagus sylvatica* L.) trees.** TREES-STRUCTURE AND FUNCTION. 2017 heinä 14;31(5):1723–1735. <https://doi.org/10.1007/s00468-017-1581-z>

Mokkila S, Postila PA, Rissanen S, Juhola H, Vattulainen I, Róg T. **Calcium Assists Dopamine Release by Preventing Aggregation on the Inner Leaflet of Presynaptic Vesicles.** ACS Chemical Neuroscience. 2017 kesä 21;8(6):1242-1250. <https://doi.org/10.1021/acscemneuro.6b00395>

Rissanen S, Grzybek M, Orłowski A, Róg T, Cramariuc O, Levental I et al. **Phase partitioning of GM1 and its bodypy-labeled analog determine their different binding to Cholera Toxin.** Frontiers in Physiology. 2017 touko 9;8(MAY). 252. <https://doi.org/10.3389/fphys.2017.00252>

Wnętrzak A, Makyła-Juzak K, Filiczowska A, Kulig W, Dynarowicz-Łątka P. **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>

Kalli AC, Rog T, Vattulainen I, Campbell ID, Sansom MSP. **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>

Korpinen L, Kuisti H, Elovaara J. **Current densities and total contact currents during forest clearing tasks under 400kV power lines.** Bioelectromagnetics. 2016 syys 1;37(6):423-428. <https://doi.org/10.1002/bem.21980>

Cervinka T, Sievänen H, Lala D, Cheung AM, Giangregorio L, Hyttinen J. **A new algorithm to improve assessment of cortical bone geometry in pQCT.** Bone. 2015 joulu 1;81:721-730. <https://doi.org/10.1016/j.bone.2015.09.015>

Narra N, Blanquer SBG, Haimi SP, Grijpma DW, Hyttinen J. **μ CT based assessment of mechanical deformation of designed PTMC scaffolds.** Clinical Hemorheology and Microcirculation. 2015 heinä 2;60(1):99-108. <https://doi.org/10.3233/CH-151931>

Cömert A, Hyttinen J. **A motion artifact generation and assessment system for the rapid testing of surface biopotential electrodes.** Physiological Measurement. 2015 tammi 1;36(1):1-25. 1. <https://doi.org/10.1088/0967-3334/36/1/1>

Rantanen T, Udd M, Honkanen T, Miettinen P, Kärjä V, Rantanen L 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 elo 20;59(11):2666-2674. <https://doi.org/10.1007/s10620-014-3242-z>

Hosin AA, Prasad A, Viiri LE, Davies AH, Shalhoub J. **MicroRNAs in atherosclerosis.** Journal of Vascular Research. 2014 helmi 6;51(5):338-349. <https://doi.org/10.1159/000368193>

Ryan Geyer R, Musa-Aziz R, Enkavi G, Mahinthichaichan P, Tajkhorshid E, Boron WF. **Movement of NH₃ through the human urea transporter B: A new gas channel.** AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY. 2013 kesä 15;304(12):1447-1457. <https://doi.org/10.1152/ajprenal.00609.2012>

Nikander R, Sievänen H, Ojala K, Kellokumpu-Lehtinen PL, Palva T, Blomqvist C 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 syys;12(3):127-135.

Järvinen PM, Myllärniemi M, Liu H, Moore HM, Leppäranta O, Salmenkivi K et al. **Cysteine-rich protein 1 is regulated by transforming growth factor- β 1 and expressed in lung fibrosis.** Journal of Cellular Physiology. 2012 kesä;227(6):2605-2612. <https://doi.org/10.1002/jcp.23000>

Repacholi MH, Lerchl A, Rössli M, Sienkiewicz Z, Auvinen A, Breckenkamp J et al. **Systematic review of wireless phone use and brain cancer and other head tumors.** Bioelectromagnetics. 2012 huhti;33(3):187-206. <https://doi.org/10.1002/bem.20716>

Heikkinen H, Vinberg F, Nymark S, Koskelainen A. **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 touko;105(5):2309-2318. <https://doi.org/10.1152/jn.00536.2010>