

Ormiskangas, J, Valtonen, O, Kivekäs, I, Dean, M, Poe, D, Järnstedt, J, Leikkala, J, Harju, T, Saarenrinne, P & Rautiainen, M 2020, 'Assessment of PIV performance in validating CFD models from nasal cavity CBCT scans', *Respiratory Physiology and Neurobiology*, Vuosikerta. 282, 103508. <https://doi.org/10.1016/j.resp.2020.103508>

Bartolucci, C, Passini, E, Hyttinen, J, Paci, M & Severi, S 2020, '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*, Vuosikerta. 11, 314. <https://doi.org/10.3389/fphys.2020.00314>

Lolicato, F, Juhola, H, Zak, A, Postila, PA, Saukko, A, Rissanen, S, Enkavi, G, Vattulainen, I, Kepczynski, M & Róg, T 2020, 'Membrane-Dependent Binding and Entry Mechanism of Dopamine into Its Receptor', *ACS Chemical Neuroscience*, Vuosikerta. 11, Nro 13, Sivut 1914–1924. <https://doi.org/10.1021/acschemneuro.9b00656>

Gracia-Tabuenca, J, Seppä, V-P, Jauhainen, M, Paasilta, M, Viik, J & Karjalainen, J 2020, 'Tidal breathing flow profiles during sleep in wheezing children measured by impedance pneumography', *Respiratory Physiology and Neurobiology*, Vuosikerta. 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, Skottman, H, Ihalainen, TO & Nymark, S 2019, 'Sodium channels enable fast electrical signaling and regulate phagocytosis in the retinal pigment epithelium', *BMC BIOLOGY*, Vuosikerta. 17, Nro 1, 63. <https://doi.org/10.1186/s12915-019-0681-1>

Kangas, P, Tikkakoski, A, Uitto, M, Viik, J, Bouquin, H, Niemelä, O, Mustonen, J & Pörsti, I 2019, '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*, Vuosikerta. 39, Nro 2, Sivut 160-167. <https://doi.org/10.1111/cpf.12551>

Pecha, S, Koivumäki, J, Geelhoed, B, Kempe, R, Berk, E, Engel, A, Reichenspurner, H, Eschenhagen, T, Ravens, U, Kaumann, A & Christ, T 2018, 'Normalization of force to muscle cross-sectional area: A helpful attempt to reduce data scattering in contractility studies?', *Acta Physiologica*, Vuosikerta. 224, Nro 4, e13202. <https://doi.org/10.1111/apha.13202>

Lau, A, Bentley, LP, Martius, C, Shenkin, A, Bartholomeus, H, Raunonen, P, Malhi, Y, Jackson, T & Herold, M 2018, 'Quantifying branch architecture of tropical trees using terrestrial LiDAR and 3D modelling', *Trees - Structure and Function*, Vuosikerta. 32, Nro 5, Sivut 1219-1231. <https://doi.org/10.1007/s00468-018-1704-1>

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

Paci, M, Pölönen, R-P, Cori, D, Penttinen, K, Aalto-Setälä, K, Severi, S & Hyttinen, J 2018, 'Automatic optimization of an in silico model of human iPSC derived cardiomyocytes recapitulating calcium handling abnormalities', *Frontiers in Physiology*, Vuosikerta. 9, Nro JUN, 709. <https://doi.org/10.3389/fphys.2018.00709>

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

Owen, MC, Kulig, W, Rog, T, Vattulainen, I & Strodel, B 2018, 'Cholesterol Protects the Oxidized Lipid Bilayer from Water Injury: An All-Atom Molecular Dynamics Study', *Journal of Membrane Biology*, Vuosikerta. 251, Nro 3, Sivut 521-534. <https://doi.org/10.1007/s00232-018-0028-9>

Medan, V, Mäki-Marttunen, T, Sztarker, J & Preuss, T 2018, 'Differential processing in modality-specific Mauthner cell dendrites', *Journal of Physiology*, Vuosikerta. 596, Nro 4, Sivut 667-689. <https://doi.org/10.1113/JP274861>

Björk, S, Ojala, EA, Nordström, T, Ahola, A, Liljeström, M, Hyttinen, J, Kankuri, E & Mervaala, E 2017, 'Evaluation of optogenetic electrophysiology tools in human stem cell-derived cardiomyocytes', *Frontiers in Physiology*, Vuosikerta. 8, Nro NOV, 884. <https://doi.org/10.3389/fphys.2017.00884>

Sciacca, MFM, Romanucci, V, Zarrelli, A, Monaco, I, Lolicato, F, Spinella, N, Galati, C, Grasso, G, D'Urso, L, Romeo, M, Diomede, L, Salmona, M, Bongiorno, C, Di Fabio, G, La Rosa, C & Milardi, D 2017, 'Inhibition of A $\beta$  Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry', *ACS Chemical Neuroscience*, Vuosikerta. 8, Nro 8, Sivut 1767-1778. <https://doi.org/10.1021/acschemneuro.7b00110>

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

Mokkila, S, Postila, PA, Rissanen, S, Juhola, H, Vattulainen, I & Róg, T 2017, 'Calcium Assists Dopamine Release by Preventing Aggregation on the Inner Leaflet of Presynaptic Vesicles', *ACS Chemical Neuroscience*, Vuosikerta. 8, Nro 6, Sivut 1242-1250. <https://doi.org/10.1021/acschemneuro.6b00395>

Rissanen, S, Grzybek, M, Orłowski, A, Róg, T, Cramariuc, O, Levental, I, Eggeling, C, Sezgin, E & Vattulainen, I 2017, 'Phase partitioning of GM1 and its bodipy-labeled analog determine their different binding to Cholera Toxin', *Frontiers in Physiology*, Vuosikerta. 8, Nro MAY, 252. <https://doi.org/10.3389/fphys.2017.00252>

Wnętrzak, A, Makyła-Juzak, K, Filiczowska, A, Kulig, W & Dynarowicz-Łątka, P 2017, 'Oxysterols Versus Cholesterol in Model Neuronal Membrane. I. The Case of 7-Ketocholesterol. The Langmuir Monolayer Study', *Journal of Membrane Biology*, Vuosikerta. 250, Nro 5, Sivut 553–564. <https://doi.org/10.1007/s00232-017-9984-8>

Kalli, AC, Rog, T, Vattulainen, I, Campbell, ID & Sansom, MSP 2017, 'The Integrin Receptor in Biologically Relevant Bilayers: Insights from Molecular Dynamics Simulations', *Journal of Membrane Biology*, Vuosikerta. 250, Sivut 337-351. <https://doi.org/10.1007/s00232-016-9908-z>

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

Cervinka, T, Sievänen, H, Lala, D, Cheung, AM, Giangregorio, L & Hyttinen, J 2015, 'A new algorithm to improve assessment of cortical bone geometry in pQCT', *Bone*, Vuosikerta. 81, Sivut 721-730. <https://doi.org/10.1016/j.bone.2015.09.015>

Narra, N, Blanquer, SBG, Haimi, SP, Grijpma, DW & Hyttinen, J 2015, ' $\mu$ CT based assessment of mechanical deformation of designed PTMC scaffolds', *Clinical Hemorheology and Microcirculation*, Vuosikerta. 60, Nro 1, Sivut 99-108. <https://doi.org/10.3233/CH-151931>

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

Rantanen, T, Udd, M, Honkanen, T, Miettinen, P, Kärjä, V, Rantanen, L, Julkunen, R, Mustonen, H, Paavonen, T & Oksala, N 2014, 'Effect of Omeprazole Dose, Nonsteroidal Anti-inflammatory Agents, and Smoking on Repair Mechanisms in Acute Peptic Ulcer Bleeding', *Digestive Diseases and Sciences*, Vuosikerta. 59, Nro 11, Sivut 2666-2674. <https://doi.org/10.1007/s10620-014-3242-z>

Hosin, AA, Prasad, A, Viiri, LE, Davies, AH & Shalhoub, J 2014, 'MicroRNAs in atherosclerosis', *Journal of Vascular Research*, Vuosikerta. 51, Nro 5, Sivut 338-349. <https://doi.org/10.1159/000368193>

Ryan Geyer, R, Musa-Aziz, R, Enkavi, G, Mahinthichaichan, P, Tajkhorshid, E & Boron, WF 2013, 'Movement of NH<sub>3</sub> through the human urea transporter B: A new gas channel', *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*, Vuosikerta. 304, Nro 12, Sivut 1447-1457. <https://doi.org/10.1152/ajprenal.00609.2012>

Nikander, R, Sievänen, H, Ojala, K, Kellokumpu-Lehtinen, PL, Palva, T, Blomqvist, C, Luoto, R & Saarto, T 2012, '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*, Vuosikerta. 12, Nro 3, Sivut 127-135.

Järvinen, PM, Myllärniemi, M, Liu, H, Moore, HM, Leppäranta, O, Salmenkivi, K, Koli, K, Latonen, L, Band, AM & Laiho, M 2012, 'Cysteine-rich protein 1 is regulated by transforming growth factor- $\beta$ 1 and expressed in lung fibrosis', *Journal of Cellular Physiology*, Vuosikerta. 227, Nro 6, Sivut 2605-2612. <https://doi.org/10.1002/jcp.23000>

Repacholi, MH, Lerchl, A, Rösli, M, Sienkiewicz, Z, Auvinen, A, Breckenkamp, J, D'Inzeo, G, Elliott, P, Frei, P, Heinrich, S, Lagroye, I, Lahkola, A, McCormick, DL, Thomas, S & Vecchia, P 2012, 'Systematic review of wireless phone use and brain cancer and other head tumors', *Bioelectromagnetics*, Vuosikerta. 33, Nro 3, Sivut 187-206. <https://doi.org/10.1002/bem.20716>

Heikkinen, H, Vinberg, F, Nymark, S & Koskelainen, A 2011, '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*, Vuosikerta. 105, Nro 5, Sivut 2309-2318. <https://doi.org/10.1152/jn.00536.2010>