

[Circulating levels of urocortin neuropeptides are impaired in children with overweight.](#)

Kavalakatt S, Khadir A, Madhu D, Devarajan S, Warsame S, AlKandari H, AlMahdi M, Koistinen HA, Al-Mulla F, Tuomilehto J, Abubaker J, Tiss A. Obesity (Silver Spring). 2022 Feb;30(2):472-481. doi: 10.1002/oby.23356.

[Immune response to a conserved enteroviral epitope of the major capsid VP1 protein is associated with lower risk of cardiovascular disease.](#)

Pupina N, Avarlaid A, Sadam H, Pihlak A, Jaago M, Tuvikene J, Rähni A, Planken A, Planken M, Kalso E, Tienari PJ, Nieminen JK, Seppänen MRJ, Vaheri A, Lindholm D, Sinisalo J, Pussinen P, Timmusk T, Palm K. EBioMedicine. 2022 Jan 25;76:103835. doi: 10.1016/j.ebiom.2022.103835. Online ahead of print.

[Arterial health during early childhood following abnormal fetal growth.](#)

Olander RFW, Sundholm JKM, Suonsyrjä S, Sarkola T. BMC Pediatr. 2022 Jan 14;22(1):40. doi: 10.1186/s12887-021-02951-2.

[MiR-185-5p regulates the development of myocardial fibrosis.](#)

Lin R, Rahtu-Korpela L, Szabo Z, Kemppe A, Skarp S, Kiviniemi AM, Lepojärvi ES, Halmetoja E, Kilpiö T, Porvari K, Pakanen L, Tolva J, Paakkanen R, Segersvärd H, Tikkanen I, Laine M, Sinisalo J, Lakkisto P, Huikuri H, Magga J, Juntila J, Kerkelä R. J Mol Cell Cardiol. 2021 Dec 29;165:130-140. doi: 10.1016/j.yjmcc.2021.12.011. Online ahead of print.

[Seipin localizes at endoplasmic-reticulum-mitochondria contact sites to control mitochondrial calcium import and metabolism in adipocytes.](#)

Combot Y, Salo VT, Chadeuf G, Hölttä M, Ven K, Pulli I, Ducheix S, Pecqueur C, Renoult O, Lak B, Li S, Karhinen L, Belevich I, Le May C, Rieusset J, Le Lay S, Croyal M, Tayeb KS, Vihinen H, Jokitalo E, Törnquist K, Vigouroux C, Cariou B, Magré J, Larhlimi A, Ikonen E, Prieur X. Cell Rep. 2022 Jan 11;38(2):110213. doi: 10.1016/j.celrep.2021.110213.

[Coordination of inter-organelle communication and lipid fluxes by OSBP-related proteins.](#)

Arora A, Taskinen JH, Olkkonen VM. Prog Lipid Res. 2022 Jan 6;86:101146. doi: 10.1016/j.plipres.2022.101146. Online ahead of print.

[Why does obesity cause diabetes?](#)

Klein S, Gastaldelli A, Yki-Järvinen H, Scherer PE. Cell Metab. 2022 Jan 4;34(1):11-20. doi: 10.1016/j.cmet.2021.12.012.

[PSD3 downregulation confers protection against fatty liver disease.](#)

Mancina RM, Sasidharan K, Lindblom A, Wei Y, Ciociola E, Jamialahmadi O, Pingitore P, Andréasson AC, Pellegrini G, Baselli G, Männistö V, Pihlajamäki J, Kärjä V, Grimaudo S, Marini I, Maggioni M, Becattini B, Tavaglione F, Dix C, Castaldo M, Klein S, Perelis M, Pattou F, Thuillier D, Raverdy V, Dongiovanni P, Fracanzani AL, Stickel F, Hampe J, Buch S, Luukkonen PK, Prati D, Yki-Järvinen H, Petta S, Xing C, Schafmayer C, Aigner E, Datz C, Lee RG, Valenti L, Lindén D, Romeo S. Nat Metab. 2022 Jan;4(1):60-75. doi: 10.1038/s42255-021-00518-0. Epub 2022 Jan 31.

[Rare coding variants in 35 genes associate with circulating lipid levels-A multi-ancestry analysis of 170,000 exomes.](#)

Hindy G, Dornbos P, Chaffin MD, Liu DJ, Wang M, Selvaraj MS, Zhang D,

Park J, Aguilar-Salinas CA, Antonacci-Fulton L, Ardissino D, Arnett DK, Aslibekyan S, Atzmon G, Ballantyne CM, Barajas-Olmos F, Barzilai N, Becker LC, Bielak LF, Bis JC, Blangero J, Boerwinkle E, Bonnycastle LL, Bottinger E, Bowden DW, Bown MJ, Brody JA, Broome JG, Burt NP, Cade BE, Centeno-Cruz F, Chan E, Chang YC, Chen YI, Cheng CY, Choi WJ, Chowdhury R, Contreras-Cubas C, Córdova EJ, Correa A, Cupples LA, Curran JE, Danesh J, de Vries PS, DeFronzo RA, Doddapaneni H, Duggirala R, Dutcher SK, Ellinor PT, Emery LS, Florez JC, Fornage M, Freedman BI, Fuster V, Garay-Sevilla ME, García-Ortiz H, Germer S, Gibbs RA, Gieger C, Glaser B, Gonzalez C, Gonzalez-Villalpando ME, Graff M, Graham SE, Grarup N, Groop LC, Guo X, Gupta N, Han S, Hanis CL, Hansen T, He J, Heard-Costa NL, Hung YJ, Hwang MY, Irvin MR, Islas-Andrade S, Jarvik GP, Kang HM, Kardia SLR, Kelly T, Kenny EE, Khan AT, Kim BJ, Kim RW, Kim YJ, Koistinen HA, Kooperberg C, Kuusisto J, Kwak SH, Laakso M, Lange LA, Lee J, Lee J, Lee S, Lehman DM, Lemaitre RN, Linneberg A, Liu J, Loos RJJ, Lubitz SA, Lyssenko V, Ma RCW, Martin LW, Martínez-Hernández A, Mathias RA, McGarvey ST, McPherson R, Meigs JB, Meitinger T, Melander O, Mendoza-Caamal E, Metcalf GA, Mi X, Mohlke KL, Montasser ME, Moon JY, Moreno-Macías H, Morrison AC, Muzny DM, Nelson SC, Nilsson PM, O'Connell JR, Orho-Melander M, Orozco L, Palmer CNA, Palmer ND, Park CJ, Park KS, Pedersen O, Peralta JM, Peyser PA, Post WS, Preuss M, Psaty BM, Qi Q, Rao DC, Redline S, Reiner AP, Revilla-Monsalve C, Rich SS, Samani N, Schunkert H, Schurmann C, Seo D, Seo JS, Sim X, Sladek R, Small KS, So WY, Stilp AM, Tai ES, Tam CHT, Taylor KD, Teo YY, Thameem F, Tomlinson B, Tsai MY, Tuomi T, Tuomilehto J, Tusié-Luna T, Udler MS, van Dam RM, Vasan RS, Viaud Martinez KA, Wang FF, Wang X, Watkins H, Weeks DE, Wilson JG, Witte DR, Wong TY, Yanek LR; AMP-T2D-GENES, Myocardial Infarction Genetics Consortium; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; NHLBI TOPMed Lipids Working Group, Kathiresan S, Rader DJ, Rotter JI, Boehnke M, McCarthy MI, Willer CJ, Natarajan P, Flannick JA, Khera AV, Peloso GM. *Am J Hum Genet.* 2021 Dec 16:S0002-9297(21)00452-3. doi: 10.1016/j.ajhg.2021.11.021. Online ahead of print.

[Macrophage Scavenger Receptor 1 mediates lipid-induced inflammation in non-alcoholic fatty liver disease.](#) Govaere O, Petersen SK, Martinez-Lopez N, Wouters J, Van Haele M, Mancina RM, Jamialahmadi O, Bilkei-Gorzo O, Lassen PB, Darlay R, Peltier J, Palmer JM, Younes R, Tiniakos D, Aithal GP, Allison M, Vacca M, Göransson M, Berlinguer-Palmini R, Clark JE, Drinnan MJ, Yki-Järvinen H, Dufour JF, Ekstedt M, Francque S, Petta S, Bugianesi E, Schattenberg JM, Day CP, Cordell HJ, Topal B, Clément K, Romeo S, Ratzliff V, Roskams T, Daly AK, Anstee QM, Trost M, Härtlova A. *J Hepatol.* 2021 Dec 20:S0168-8278(21)02254-6. doi: 10.1016/j.jhep.2021.12.012. Online ahead of print.

[GSK3 \$\beta\$ Serine 389 Phosphorylation Modulates Cardiomyocyte Hypertrophy and Ischemic Injury.](#) Vainio L, Taponen S, Kinnunen SM, Halmetoja E, Szabo Z, Alakoski T, Ulvila J, Junttila J, Lakkisto P, Magga J, Kerkelä R. *Int J Mol Sci.* 2021 Dec 18;22(24):13586. doi: 10.3390/ijms222413586.

[Cholesterol transport in the late endocytic pathway: Roles of ORP family proteins.](#) Olkkonen VM, Ikonen E. *J Steroid Biochem Mol Biol.* 2021 Dec 2:106040. doi: 10.1016/j.jsbmb.2021.106040. Online ahead of print.

[A microRNA Cluster Controls Fat Cell Differentiation and Adipose Tissue Expansion By Regulating SNCG.](#) Rodríguez-Barrueco R, Latorre J, Devis-Jáuregui L, Lluch A, Bonifaci N,

Llobet FJ, Olivan M, Coll-Iglesias L, Gassner K, Davis ML, Moreno-Navarrete JM, Castells-Nobau A, Plata-Peña L, Dalmau-Pastor M, Höring M, Liebisch G, Olkkonen VM, Arnoriaga-Rodríguez M, Ricart W, Fernández-Real JM, Silva JM, Ortega FJ, Llobet-Navas D. *Adv Sci (Weinh)*. 2021 Dec 13:e2104759. doi: 10.1002/advs.202104759. Online ahead of print.

[The power of genetic diversity in genome-wide association studies of lipids](#). Graham SE, Clarke SL, Wu KH, Kanoni S, Zajac GJM, Ramdas S, Surakka I, Ntalla I, Vedantam S, Winkler TW, Locke AE, Marouli E, Hwang MY, Han S, Narita A, Choudhury A, Bentley AR, Ekoru K, Verma A, Trivedi B, Martin HC, Hunt KA, Hui Q, Klarin D, Zhu X, Thorleifsson G, Helgadottir A, Gudbjartsson DF, Holm H, Olafsson I, Akiyama M, Sakaue S, Terao C, Kanai M, Zhou W, Brumpton BM, Rasheed H, Ruotsalainen SE, Havulinna AS, Veturi Y, Feng Q, Rosenthal EA, Lingren T, Pacheco JA, Pendergrass SA, Haessler J, Giulianini F, Bradford Y, Miller JE, Campbell A, Lin K, Millwood IY, Hindy G, Rasheed A, Faul JD, Zhao W, Weir DR, Turman C, Huang H, Graff M, Mahajan A, Brown MR, Zhang W, Yu K, Schmidt EM, Pandit A, Gustafsson S, Yin X, Luan J, Zhao JH, Matsuda F, Jang HM, Yoon K, Medina-Gomez C, Pitsillides A, Hottenga JJ, Willemsen G, Wood AR, Ji Y, Gao Z, Haworth S, Mitchell RE, Chai JF, Aadahl M, Yao J, Manichaikul A, Warren HR, Ramirez J, Bork-Jensen J, Kårhus LL, Goel A, Sabater-Lleal M, Noordam R, Sidore C, Fiorillo E, McDaid AF, Marques-Vidal P, Wielscher M, Trompet S, Sattar N, Møllehave LT, Thuesen BH, Munz M, Zeng L, Huang J, Yang B, Poveda A, Kurbasic A, Lamina C, Forer L, Scholz M, Galesloot TE, Bradfield JP, Daw EW, Zmuda JM, Mitchell JS, Fuchsberger C, Christensen H, Brody JA, Feitosa MF, Wojczynski MK, Preuss M, Mangino M, Christofidou P, Verweij N, Benjamins JW, Engmann J, Kember RL, Slieker RC, Lo KS, Zilhao NR, Le P, Kleber ME, Delgado GE, Huo S, Ikeda DD, Iha H, Yang J, Liu J, Leonard HL, Marten J, Schmidt B, Arendt M, Smyth LJ, Cañadas-Garre M, Wang C, Nakatochi M, Wong A, Hutri-Kähönen N, Sim X, Xia R, Huerta-Chagoya A, Fernandez-Lopez JC, Lyssenko V, Ahmed M, Jackson AU, Irvin MR, Oldmeadow C, Kim HN, Ryu S, Timmers PRHJ, Arbeeve L, Dorajoo R, Lange LA, Chai X, Prasad G, Lorés-Motta L, Pauper M, Long J, Li X, Theusch E, Takeuchi F, Spracklen CN, Loukola A, Bollepalli S, Warner SC, Wang YX, Wei WB, Nutile T, Ruggiero D, Sung YJ, Hung YJ, Chen S, Liu F, Yang J, Kentistou KA, Gorski M, Brumat M, Meidtner K, Bielak LF, Smith JA, Hebbar P, Farmaki AE, Hofer E, Lin M, Xue C, Zhang J, Concas MP, Vaccargiu S, van der Most PJ, Pitkänen N, Cade BE, Lee J, van der Laan SW, Chitrala KN, Weiss S, Zimmermann ME, Lee JY, Choi HS, Nethander M, Freitag-Wolf S, Southam L, Rayner NW, Wang CA, Lin SY, Wang JS, Couture C, Lyytikäinen LP, Nikus K, Cuellar-Partida G, Vestergaard H, Hildalgo B, Giannakopoulou O, Cai Q, Obura MO, van Setten J, Li X, Schwander K, Terzikhan N, Shin JH, Jackson RD, Reiner AP, Martin LW, Chen Z, Li L, Highland HM, Young KL, Kawaguchi T, Thiery J, Bis JC, Nadkarni GN, Launer LJ, Li H, Nalls MA, Raitakari OT, Ichihara S, Wild SH, Nelson CP, Campbell H, Jäger S, Nabika T, Al-Mulla F, Niinikoski H, Braund PS, Kolcic I, Kovacs P, Giardoglou T, Katsuya T, Bhatti KF, de Kleijn D, de Borst GJ, Kim EK, Adams HHH, Ikram MA, Zhu X, Asselbergs FW, Kraaijeveld AO, Beulens JWJ, Shu XO, Rallidis LS, Pedersen O, Hansen T, Mitchell P, Hewitt AW, Kähönen M, Pérusse L, Bouchard C, Tönjes A, Chen YI, Pennell CE, Mori TA, Lieb W, Franke A, Ohlsson C, Mellström D, Cho YS, Lee H, Yuan JM, Koh WP, Rhee SY, Woo JT, Heid IM, Stark KJ, Völzke H, Homuth G, Evans MK, Zonderman AB, Polasek O, Pasterkamp G, Hofer IE, Redline S, Pahkala K, Oldehinkel AJ, Snieder H, Biino G, Schmidt R, Schmidt H, Chen YE, Bandinelli S, Dedoussis G, Thanaraj TA, Kardia SLR, Kato N, Schulze MB, Girotto G, Jung B, Böger CA, Joshi PK, Bennett DA, De Jager PL, Lu X, Mamakou V, Brown M, Caulfield MJ, Munroe PB, Guo X, Ciullo M, Jonas JB, Samani NJ, Kaprio J, Pajukanta P, Adair LS, Bechayda SA, de Silva

HJ, Wickremasinghe AR, Krauss RM, Wu JY, Zheng W, den Hollander AI, Bharadwaj D, Correa A, Wilson JG, Lind L, Heng CK, Nelson AE, Golightly YM, Wilson JF, Penninx B, Kim HL, Attia J, Scott RJ, Rao DC, Arnett DK, Walker M, Koistinen HA, Chandak GR, Yajnik CS, Mercader JM, Tusié-Luna T, Aguilar-Salinas CA, Villalpando CG, Orozco L, Fornage M, Tai ES, van Dam RM, Lehtimäki T, Chaturvedi N, Yokota M, Liu J, Reilly DF, McKnight AJ, Kee F, Jöckel KH, McCarthy MI, Palmer CNA, Vitart V, Hayward C, Simonsick E, van Duijn CM, Lu F, Qu J, Hishigaki H, Lin X, März W, Parra EJ, Cruz M, Gudnason V, Tardif JC, Lettre G, 't Hart LM, Elders PJM, Damrauer SM, Kumari M, Kivimäki M, van der Harst P, Spector TD, Loos RJF, Province MA, Psaty BM, Brandslund I, Pramstaller PP, Christensen K, Ripatti S, Widén E, Hakonarson H, Grant SFA, Kiemeny LALM, de Graaf J, Loeffler M, Kronenberg F, Gu D, Erdmann J, Schunkert H, Franks PW, Linneberg A, Jukema JW, Khera AV, Männikkö M, Jarvelin MR, Kutalik Z, Cucca F, Mook-Kanamori DO, van Dijk KW, Watkins H, Strachan DP, Grarup N, Sever P, Poulter N, Rotter JI, Dantoft TM, Karpe F, Neville MJ, Timpson NJ, Cheng CY, Wong TY, Khor CC, Sabanayagam C, Peters A, Gieger C, Hattersley AT, Pedersen NL, Magnusson PKE, Boomsma DI, de Geus EJC, Cupples LA, van Meurs JBJ, Ghanbari M, Gordon-Larsen P, Huang W, Kim YJ, Tabara Y, Wareham NJ, Langenberg C, Zeggini E, Kuusisto J, Laakso M, Ingelsson E, Abecasis G, Chambers JC, Kooner JS, de Vries PS, Morrison AC, North KE, Daviglus M, Kraft P, Martin NG, Whitfield JB, Abbas S, Saleheen D, Walters RG, Holmes MV, Black C, Smith BH, Justice AE, Baras A, Buring JE, Ridker PM, Chasman DI, Kooperberg C, Wei WQ, Jarvik GP, Namjou B, Hayes MG, Ritchie MD, Jousilahti P, Salomaa V, Hveem K, Åsvold BO, Kubo M, Kamatani Y, Okada Y, Murakami Y, Thorsteinsdottir U, Stefansson K, Ho YL, Lynch JA, Rader DJ, Tsao PS, Chang KM, Cho K, O'Donnell CJ, Gaziano JM, Wilson P, Rotimi CN, Hazelhurst S, Ramsay M, Trembath RC, van Heel DA, Tamiya G, Yamamoto M, Kim BJ, Mohlke KL, Frayling TM, Hirschhorn JN, Kathiresan S; VA Million Veteran Program; Global Lipids Genetics Consortium*, Boehnke M, Natarajan P, Peloso GM, Brown CD, Morris AP, Assimes TL, Deloukas P, Sun YV, Willer CJ. *Nature*. 2021 Dec 9. doi: 10.1038/s41586-021-04064-3. Online ahead of print.

[Desmosterol suppresses macrophage inflammasome activation and protects against vascular inflammation and atherosclerosis](#). Zhang X, McDonald JG, Aryal B, Canfrán-Duque A, Goldberg EL, Araldi E, Ding W, Fan Y, Thompson BM, Singh AK, Li Q, Tellides G, Ordovás-Montanes J, García Milian R, Dixit VD, Ikonen E, Suárez Y, Fernández-Hernando C. *Proc Natl Acad Sci U S A*. 2021 Nov 23;118(47):e2107682118. doi: 10.1073/pnas.2107682118.

[Distinct contributions of metabolic dysfunction and genetic risk factors in the pathogenesis of non-alcoholic fatty liver disease](#). Luukkonen PK, Qadri S, Ahlholm N, Porthan K, Männistö V, Sammalkorpi H, Penttilä AK, Hakkarainen A, Lehtimäki TE, Gaggini M, Gastaldelli A, Ala-Korpela M, Orho-Melander M, Arola J, Juuti A, Pihlajamäki J, Hodson L, Yki-Järvinen H. *J Hepatol*. 2021 Oct 25:S0168-8278(21)02150-4. doi: 10.1016/j.jhep.2021.10.013. Online ahead of print.

[Glycemic control is not related to cerebral small vessel disease in neurologically asymptomatic individuals with type 1 diabetes](#). Inkeri J, Adeshara K, Harjutsalo V, Forsblom C, Liebkind R, Tatlisumak T, Thorn LM, Groop PH, Shams S, Martola J, Putaala J, Gordin D; FinnDiane Study Group. *Acta Diabetol*. 2021 Nov 15. doi: 10.1007/s00592-021-01821-8. Online ahead of print.

[Cardiac Function After Cardiotoxic Treatments for Childhood Cancer-Left Ventricular Longitudinal Strain in Screening.](#) Niemelä J, Ylänen K, Suominen A, Pushparajah K, Mathur S, Sarkola T, Jahnukainen K, Eerola A, Poutanen T, Vettenranta K, Ojala T. *Front Cardiovasc Med.* 2021 Oct 18;8:715953. doi: 10.3389/fcvm.2021.715953. eCollection 2021.

[Specific subdomain localization of ER resident proteins and membrane contact sites resolved by electron microscopy.](#) Lak B, Li S, Belevich I, Sree S, Butkovic R, Ikonen E, Jokitalo E. *Eur J Cell Biol.* 2021 Oct 4;100(7-8):151180. doi: 10.1016/j.ejcb.2021.151180. Online ahead of print.

[Overfeeding Saturated Fat Increases LDL \(Low-Density Lipoprotein\) Aggregation Susceptibility While Overfeeding Unsaturated Fat Decreases Proteoglycan-Binding of Lipoproteins.](#) Ruuth M, Lahelma M, Luukkonen PK, Lorey MB, Qadri S, Sädevirta S, Hyötyläinen T, Kovanen PT, Hodson L, Yki-Järvinen H, Öörni K. *Arterioscler Thromb Vasc Biol.* 2021 Sep 2:ATVBAHA120315766. doi: 10.1161/ATVBAHA.120.315766. Online ahead of print.

[Exposure to environmental contaminants is associated with altered hepatic lipid metabolism in non-alcoholic fatty liver disease.](#) Sen P, Qadri S, Luukkonen PK, Ragnarsdottir O, McGlinchey A, Jäntti S, Juuti A, Arola J, Schlezinger JJ, Webster TF, Orešič M, Yki-Järvinen H, Hyötyläinen T. *J Hepatol.* 2021 Oct 7:S0168-8278(21)02104-8. doi: 10.1016/j.jhep.2021.09.039. Online ahead of print.

[Children with familial hypercholesterolemia display changes in LDL and HDL function: A cross-sectional study.](#) Christensen JJ, Narverud I, Ruuth M, Heier M, Jauhiainen M, Ulven SM, Bogsrud MP, Kovanen PT, Halvorsen B, Oda MN, Wium C, Retterstøl K, Öörni K, Holven KB. *J Intern Med.* 2021 Sep 10. doi: 10.1111/joim.13383. Online ahead of print.

[Dendritic Spine Initiation in Brain Development, Learning and Diseases and Impact of BAR-Domain Proteins.](#) Khanal P, Hotulainen P. *Cells.* 2021 Sep 12;10(9):2392. doi: 10.3390/cells10092392.

[Urocortin 3 overexpression reduces ER stress and heat shock response in 3T3-L1 adipocytes.](#) Kavalakatt S, Khadir A, Madhu D, Koistinen HA, Al-Mulla F, Tuomilehto J, Abubaker J, Tiss A. *Sci Rep.* 2021 Aug 2;11(1):15666. doi: 10.1038/s41598-021-95175-4.

[Overfeeding Saturated Fat Increases LDL \(Low-Density Lipoprotein\) Aggregation Susceptibility While Overfeeding Unsaturated Fat Decreases Proteoglycan-Binding of Lipoproteins.](#) Ruuth M, Lahelma M, Luukkonen PK, Lorey MB, Qadri S, Sädevirta S, Hyötyläinen T, Kovanen PT, Hodson L, Yki-Järvinen H, Öörni K. *Arterioscler Thromb Vasc Biol.* 2021 Sep 2:ATVBAHA120315766. doi: 10.1161/ATVBAHA.120.315766. Online ahead of print.

[Generation of the Human Pluripotent Stem-Cell-Derived Astrocyte Model with Forebrain Identity.](#) Peteri UK, Pitkonen J, Utami KH, Paavola J, Roybon L, Pouladi MA, Castrén ML. *Brain Sci.* 2021 Feb 9;11(2):209. doi: 10.3390/brainsci11020209.

[A look into the future of the COVID-19 pandemic in Europe: an expert consultation.](#) Iftekhhar EN, Priesemann V, Balling R, Bauer S, Beutels P, Calero Valdez A, Cuschieri S, Czypionka T, Dumpis U, Glaab E, Grill E, Hanson C, Hotulainen P, Klimek P, Kretzschmar M, Krüger T, Krutzinna J, Low N, Machado H, Martins C, McKee M, Mohr SB, Nassehi A, Perc M, Petelos E,

Pickersgill M, Prainsack B, Rocklöv J, Schernhammer E, Staines A, Szczurek E, Tsiodras S, Van Gucht S, Willeit P. Lancet Reg Health Eur. 2021 Sep;8:100185. doi: 10.1016/j.lanepe.2021.100185. Epub 2021 Jul 30.

[Towards a European strategy to address the COVID-19 pandemic.](#) Priesemann V, Balling R, Bauer S, Beutels P, Valdez AC, Cuschieri S, Cypionka T, Dumpis U, Glaab E, Grill E, Hotulainen P, Iftekhar EN, Krutzinna J, Lionis C, Machado H, Martins C, McKee M, Pavlakis GN, Perc M, Petelos E, Pickersgill M, Prainsack B, Rocklöv J, Schernhammer E, Szczurek E, Tsiodras S, Van Gucht S, Willeit P. Lancet. 2021 Sep 4;398(10303):838-839. doi: 10.1016/S0140-6736(21)01808-0. Epub 2021 Aug 9.

[Hematopoietic upstream stimulating factor 1 deficiency is associated with increased atherosclerosis susceptibility in LDL receptor knockout mice.](#) Hoekstra M, Ren B, Laurila PP, Hildebrand RB, Soronen J, Frodermann V, Li Z, Boon MR, Geerling JJ, Rensen PCN, Jauhainen M, Van Eck M. Sci Rep. 2021 Aug 12;11(1):16419. doi: 10.1038/s41598-021-95858-y.

[Ideal Cardiovascular Health and Vascular Phenotype Associations in Mothers with Obesity and Their Six-Year-Old Children.](#) Litwin L, Sundholm JKM, Meinilä J, Kulmala J, Tammelin TH, Rönö K, Koivusalo SB, Eriksson JG, Sarkola T. Diabetes Metab Syndr Obes. 2021 Jul 13;14:3187-3197. doi: 10.2147/DMSO.S315402. eCollection 2021.

[Cholesterol transport between cellular membranes: A balancing act between interconnected lipid fluxes.](#) Ikonen E, Zhou X. Dev Cell. 2021 May 17;56(10):1430-1436. doi: 10.1016/j.devcel.2021.04.025.

[Stromal interaction molecule 1 \(STIM1\) knock down attenuates invasion and proliferation and enhances the expression of thyroid-specific proteins in human follicular thyroid cancer cells.](#) Asghar MY, Lassila T, Paatero I, Nguyen VD, Kronqvist P, Zhang J, Slita A, Löf C, Zhou Y, Rosenholm J, Törnqvist K. Cell Mol Life Sci. 2021 Jun 21. doi: 10.1007/s00018-021-03880-0. Online ahead of print.

[Sphingolipids as Modulators of SARS-CoV-2 Infection.](#) Törnqvist K, Asghar MY, Srinivasan V, Korhonen L, Lindholm D. Front Cell Dev Biol. 2021 Jun 17;9:689854. doi: 10.3389/fcell.2021.689854. eCollection 2021.

[Skeletal muscle proteomes reveal downregulation of mitochondrial proteins in transition from prediabetes into type 2 diabetes.](#) Öhman T, Teppo J, Datta N, Mäkinen S, Varjosalo M, Koistinen HA. iScience. 2021 Jun 10;24(7):102712. doi: 10.1016/j.isci.2021.102712. eCollection 2021 Jul 23.

[Dietary carbohydrates and fats in nonalcoholic fatty liver disease.](#) Yki-Järvinen H, Luukkonen PK, Hodson L, Moore JB. Nat Rev Gastroenterol Hepatol. 2021 Jul 13. doi: 10.1038/s41575-021-00472-y. Online ahead of print.

[Zebrafish Heart Failure Models](#). Narumanchi S, Wang H, Perttunen S, Tikkanen I, Lakkisto P, Paavola J. Front Cell Dev Biol. 2021 May 20;9:662583. doi: 10.3389/fcell.2021.662583. eCollection 2021.

[Evaluation of glucagon-like peptide-1 receptor expression in nondiabetic and diabetic atherosclerotic mice using PET tracer ⁶⁸Ga-NODAGA-exendin-4](#). Ståhle M, Hellberg S, Virta J, Liljenbäck H, Metsälä O, Li XG, Jauhiainen M, Saukko P, Ylä-Herttuala S, Nuutila P, Knuuti J, Saraste A, Roivainen A. Am J Physiol Endocrinol Metab. 2021 May 1;320(5):E989-E998. doi: 10.1152/ajpendo.00465.2020. Epub 2021 Apr 12.

[ORP2 couples LDL-cholesterol transport to FAK activation by endosomal cholesterol/PI\(4,5\)P₂ exchange](#). Takahashi K, Kanerva K, Vanharanta L, Almeida-Souza L, Lietha D, Olkkonen VM, Ikonen E. EMBO J. 2021 Jun 14:e106871. doi: 10.15252/embj.2020106871. Online ahead of print.

[Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes](#). Goodrich JK, Singer-Berk M, Son R, Sveden A, Wood J, England E, Cole JB, Weisburd B, Watts N, Caulkins L, Dornbos P, Koesterer R, Zappala Z, Zhang H, Maloney KA, Dahl A, Aguilar-Salinas CA, Atzmon G, Barajas-Olmos F, Barzilai N, Blangero J, Boerwinkle E, Bonnycastle LL, Bottinger E, Bowden DW, Centeno-Cruz F, Chambers JC, Chami N, Chan E, Chan J, Cheng CY, Cho YS, Contreras-Cubas C, Córdova E, Correa A, DeFronzo RA, Duggirala R, Dupuis J, Garay-Sevilla ME, García-Ortiz H, Gieger C, Glaser B, González-Villalpando C, Gonzalez ME, Grarup N, Groop L, Gross M, Haiman C, Han S, Hanis CL, Hansen T, Heard-Costa NL, Henderson BE, Hernandez JMM, Hwang MY, Islas-Andrade S, Jørgensen ME, Kang HM, Kim BJ, Kim YJ, Koistinen HA, Kooner JS, Kuusisto J, Kwak SH, Laakso M, Lange L, Lee JY, Lee J, Lehman DM, Linneberg A, Liu J, Loos RJF, Lyssenko V, Ma RCW, Martínez-Hernández A, Meigs JB, Meitinger T, Mendoza-Caamal E, Mohlke KL, Morris AD, Morrison AC, Ng MCY, Nilsson PM, O'Donnell CJ, Orozco L, Palmer CNA, Park KS, Post WS, Pedersen O, Preuss M, Psaty BM, Reiner AP, Revilla-Monsalve C, Rich SS, Rotter JI, Saleheen D, Schurmann C, Sim X, Sladek R, Small KS, So WY, Spector TD, Strauch K, Strom TM, Tai ES, Tam CHT, Teo YY, Thameem F, Tomlinson B, Tracy RP, Tuomi T, Tuomilehto J, Tusié-Luna T, van Dam RM, Vasán RS, Wilson JG, Witte DR, Wong TY; AMP-T2D-GENES Consortium, Burt NP, Zaitlen N, McCarthy MI, Boehnke M, Pollin TI, Flannick J, Mercader JM, O'Donnell-Luria A, Baxter S, Florez JC, MacArthur DG, Udler MS. Nat Commun. 2021 Jun 9;12(1):3505. doi: 10.1038/s41467-021-23556-4.

[Streptococcus pneumoniae pneumolysin and neuraminidase A convert high-density lipoproteins into pro-atherogenic particles](#). Syed S, Nissilä E, Ruhanen H, Fudo S, Gaytán MO, Sihvo SP, Lorey MB, Metso J, Öörni K, King SJ, Oommen OP, Jauhiainen M, Meri S, Käkälä R, Haapasalo K. iScience. 2021 May 12;24(6):102535. doi: 10.1016/j.isci.2021.102535. eCollection 2021 Jun 25.

[The homeoviscous adaptation to dietary lipids \(HADL\) hypothesis is probably incorrect](#). Christensen JJ, Telle-Hansen VH, Ulven SM, Kovanen PT, Jauhiainen M, Öörni K, Holven KB. Am J Clin Nutr. 2021 Jun 1;113(6):1711-1712. doi: 10.1093/ajcn/nqab110.

[The axonal radial contractility: Structural basis underlying a new form of neural plasticity.](#) Pan X, Zhou Y, Hotulainen P, Meunier FA, Wang T. *Bioessays*. 2021 Jun 18:e2100033. doi: 10.1002/bies.202100033. Online ahead of print.

[Mistranslation Drives Alterations in Protein Levels and the Effects of a Synonymous Variant at the Fibroblast Growth Factor 21 Locus.](#) Bayoumi A, Elsayed A, Han S, Petta S, Adams LA, Aller R, Khan A, García-Monzón C, Arias-Loste MT, Miele L, Latchoumanin O, Alenizi S, Gallego-Durán R, Fischer J, Berg T, Craxì A, Metwally M, Qiao L, Liddle C, Yki-Järvinen H, Bugianesi E, Romero-Gomez M, George J, Eslam M. *Adv Sci (Weinh)*. 2021 May 1;8(11):2004168. doi: 10.1002/advs.202004168. eCollection 2021 Jun.

[The trans-ancestral genomic architecture of glycemic traits.](#) Chen J, Spracklen CN, Marenne G, Varshney A, Corbin LJ, Luan J, Willems SM, Wu Y, Zhang X, Horikoshi M, Boutin TS, Mägi R, Waage J, Li-Gao R, Chan KHK, Yao J, Anasanti MD, Chu AY, Claringbould A, Heikkinen J, Hong J, Hottenga JJ, Huo S, Kaakinen MA, Louie T, März W, Moreno-Macias H, Ndungu A, Nelson SC, Nolte IM, North KE, Raulerson CK, Ray D, Rohde R, Rybin D, Schurmann C, Sim X, Southam L, Stewart ID, Wang CA, Wang Y, Wu P, Zhang W, Ahluwalia TS, Appel EVR, Bielak LF, Brody JA, Burtt NP, Cabrera CP, Cade BE, Chai JF, Chai X, Chang LC, Chen CH, Chen BH, Chitrala KN, Chiu YF, de Haan HG, Delgado GE, Demirkan A, Duan Q, Engmann J, Fatumo SA, Gayán J, Giulianini F, Gong JH, Gustafsson S, Hai Y, Hartwig FP, He J, Heianza Y, Huang T, Huerta-Chagoya A, Hwang MY, Jensen RA, Kawaguchi T, Kentistou KA, Kim YJ, Kleber ME, Kooner IK, Lai S, Lange LA, Langefeld CD, Lauzon M, Li M, Ligthart S, Liu J, Loh M, Long J, Lyssenko V, Mangino M, Marzi C, Montasser ME, Nag A, Nakatochi M, Noce D, Noordam R, Pistis G, Preuss M, Raffield L, Rasmussen-Torvik LJ, Rich SS, Robertson NR, Rueedi R, Ryan K, Sanna S, Saxena R, Schraut KE, Sennblad B, Setoh K, Smith AV, Sparsø T, Strawbridge RJ, Takeuchi F, Tan J, Trompet S, van den Akker E, van der Most PJ, Verweij N, Vogel M, Wang H, Wang C, Wang N, Warren HR, Wen W, Wilsgaard T, Wong A, Wood AR, Xie T, Zafarmand MH, Zhao JH, Zhao W, Amin N, Arzumanyan Z, Astrup A, Bakker SJL, Baldassarre D, Beekman M, Bergman RN, Bertoni A, Blüher M, Bonnycastle LL, Bornstein SR, Bowden DW, Cai Q, Campbell A, Campbell H, Chang YC, de Geus EJC, Dehghan A, Du S, Eiriksdottir G, Farmaki AE, Frånberg M, Fuchsberger C, Gao Y, Gjesing AP, Goel A, Han S, Hartman CA, Herder C, Hicks AA, Hsieh CH, Hsueh WA, Ichihara S, Igase M, Ikram MA, Johnson WC, Jørgensen ME, Joshi PK, Kalyani RR, Kandeel FR, Katsuya T, Khor CC, Kiess W, Kolcic I, Kuulasmaa T, Kuusisto J, Läll K, Lam K, Lawlor DA, Lee NR, Lemaitre RN, Li H; Lifelines Cohort Study, Lin SY, Lindström J, Linneberg A, Liu J, Lorenzo C, Matsubara T, Matsuda F, Mingrone G, Mooijaart S, Moon S, Nabika T, Nadkarni GN, Nadler JL, Nelis M, Neville MJ, Norris JM, Ohya Y, Peters A, Peyser PA, Polasek O, Qi Q, Raven D, Reilly DF, Reiner A, Rivideneira F, Roll K, Rudan I, Sabanayagam C, Sandow K, Sattar N, Schürmann A, Shi J, Stringham HM, Taylor KD, Teslovich TM, Thuesen B, Timmers PRHJ, Tremoli E, Tsai MY, Uitterlinden A, van Dam RM, van Heemst D, van Hylckama Vlieg A, van Vliet-Ostaptchouk JV, Vangipurapu J, Vestergaard H, Wang T, Willems van Dijk K, Zemunik T, Abecasis GR, Adair LS, Aguilar-Salinas CA, Alarcón-Riquelme ME, An P, Aviles-Santa L, Becker DM, Beilin LJ, Bergmann S, Bisgaard H, Black C, Boehnke M, Boerwinkle E, Böhm BO, Bønnelykke K, Boomsma DI, Bottinger EP, Buchanan TA, Canouil M, Caulfield MJ, Chambers JC, Chasman DI, Chen YI, Cheng CY, Collins FS, Correa A, Cucca F, de Silva HJ, Dedoussis G, Elmståhl S, Evans MK, Ferrannini E, Ferrucci L, Florez JC, Franks PW, Frayling TM, Froguel P, Gigante B, Goodarzi MO, Gordon-Larsen P, Grallert H, Grarup N, Grimsgaard S, Groop L, Gudnason V,

Guo X, Hamsten A, Hansen T, Hayward C, Heckbert SR, Horta BL, Huang W, Ingelsson E, James PS, Jarvelin MR, Jonas JB, Jukema JW, Kaleebu P, Kaplan R, Kardina SLR, Kato N, Keinänen-Kiukaanniemi SM, Kim BJ, Kivimäki M, Koistinen HA, Kooner JS, Körner A, Kovacs P, Kuh D, Kumari M, Kutalik Z, Laakso M, Lakka TA, Launer LJ, Leander K, Li H, Lin X, Lind L, Lindgren C, Liu S, Loos RJF, Magnusson PKE, Mahajan A, Metspalu A, Mook-Kanamori DO, Mori TA, Munroe PB, Njølstad I, O'Connell JR, Oldehinkel AJ, Ong KK, Padmanabhan S, Palmer CNA, Palmer ND, Pedersen O, Pennell CE, Porteous DJ, Pramstaller PP, Province MA, Psaty BM, Qi L, Raffel LJ, Rauramaa R, Redline S, Ridker PM, Rosendaal FR, Saaristo TE, Sandhu M, Saramies J, Schneiderman N, Schwarz P, Scott LJ, Selvin E, Sever P, Shu XO, Slagboom PE, Small KS, Smith BH, Snieder H, Sofer T, Sørensen TIA, Spector TD, Stanton A, Steves CJ, Stumvoll M, Sun L, Tabara Y, Tai ES, Timpson NJ, Tönjes A, Tuomilehto J, Tusie T, Uusitupa M, van der Harst P, van Duijn C, Vitart V, Vollenweider P, Vrijkotte TGM, Wagenknecht LE, Walker M, Wang YX, Wareham NJ, Watanabe RM, Watkins H, Wei WB, Wickremasinghe AR, Willemssen G, Wilson JF, Wong TY, Wu JY, Xiang AH, Yanek LR, Yengo L, Yokota M, Zeggini E, Zheng W, Zonderman AB, Rotter JI, Gloyn AL, McCarthy MI, Dupuis J, Meigs JB, Scott RA, Prokopenko I, Leong A, Liu CT, Parker SCJ, Mohlke KL, Langenberg C, Wheeler E, Morris AP, Barroso I; Meta-Analysis of Glucose and Insulin-related Traits Consortium (MAGIC). *Nat Genet.* 2021 Jun;53(6):840-860. doi: 10.1038/s41588-021-00852-9. Epub 2021 May 31.

[Motivational Interviewing and Glycemic Control in Adolescents With Poorly Controlled Type 1 Diabetes: A Randomized Controlled Pilot Trial.](#) Tuomaala AK, Hero M, Tuomisto MT, Lähteenmäki M, Miettinen PJ, Laine T, Wehkalampi K, Kiiveri S, Ahonen P, Ojaniemi M, Kaunisto K, Tossavainen P, Lapatto R, Sarkola T, Pulkkinen MA. *Front Endocrinol (Lausanne).* 2021 Mar 12;12:639507. doi: 10.3389/fendo.2021.639507. eCollection 2021.

[Publisher Correction: Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals.](#) Surendran P, Feofanova EV, Lahrouchi N, Ntalla I, Karthikeyan S, Cook J, Chen L, Mifsud B, Yao C, Kraja AT, Cartwright JH, Hellwege JN, Giri A, Tragante V, Thorleifsson G, Liu DJ, Prins BP, Stewart ID, Cabrera CP, Eales JM, Akbarov A, Auer PL, Bielak LF, Bis JC, Braithwaite VS, Brody JA, Daw EW, Warren HR, Drenos F, Nielsen SF, Faul JD, Fauman EB, Fava C, Ferreira T, Foley CN, Franceschini N, Gao H, Giannakopoulou O, Giulianini F, Gudbjartsson DF, Guo X, Harris SE, Havulinna AS, Helgadottir A, Huffman JE, Hwang SJ, Kanoni S, Kontto J, Larson MG, Li-Gao R, Lindström J, Lotta LA, Lu Y, Luan J, Mahajan A, Malerba G, Masca NGD, Mei H, Menni C, Mook-Kanamori DO, Mosen-Ansorena D, Müller-Nurasyid M, Paré G, Paul DS, Perola M, Poveda A, Rauramaa R, Richard M, Richardson TG, Sepúlveda N, Sim X, Smith AV, Smith JA, Staley JR, Stanáková A, Sulem P, Thériault S, Thorsteinsdóttir U, Trompet S, Varga TV, Velez Edwards DR, Veronesi G, Weiss S, Willems SM, Yao J, Young R, Yu B, Zhang W, Zhao JH, Zhao W, Zhao W, Evangelou E, Aeschbacher S, Asllanaj E, Blankenberg S, Bonnycastle LL, Bork-Jensen J, Brandslund I, Braund PS, Burgess S, Cho K, Christensen C, Connell J, Mutsert R, Dominiczak AF, Dörr M, Eiriksdóttir G, Farmaki AE, Gaziano JM, Grarup N, Grove ML, Hallmans G, Hansen T, Have CT, Heiss G, Jørgensen ME, Jousilahti P, Kajantie E, Kamat M, Käräjämäki A, Karpe F, Koistinen HA, Kovesdy CP, Kuulasmaa K, Laatikainen T, Lannfelt L, Lee IT, Lee WJ; LifeLines Cohort Study, Linneberg A, Martin LW, Moitry M, Nadkarni G, Neville MJ, Palmer CNA, Papanicolaou GJ, Pedersen O, Peters J, Poulter N, Rasheed A, Rasmussen KL, Rayner NW, Mägi R, Renström F, Rettig R, Rossouw J, Schreiner PJ, Sever PS, Sigurdsson EL, Skaaby T, Sun YV,

Sundstrom J, Thorgeirsson G, Esko T, Trabetti E, Tsao PS, Tuomi T, Turner ST, Tzoulaki I, Vaartjes I, Vergnaud AC, Willer CJ, Wilson PWF, Witte DR, Yonova-Doing E, Zhang H, Aliya N, Almgren P, Amouyel P, Asselbergs FW, Barnes MR, Blakemore AI, Boehnke M, Bots ML, Bottinger EP, Buring JE, Chambers JC, Chen YI, Chowdhury R, Conen D, Correa A, Davey Smith G, Boer RA, Deary IJ, Dedoussis G, Deloukas P, Di Angelantonio E, Elliott P; EPIC-CVD; EPIC-InterAct, Felix SB, Ferrières J, Ford I, Fornage M, Franks PW, Franks S, Frossard P, Gambaro G, Gaunt TR, Groop L, Gudnason V, Harris TB, Hayward C, Hennig BJ, Herzig KH, Ingelsson E, Tuomilehto J, Järvelin MR, Jukema JW, Kardia SLR, Kee F, Kooner JS, Kooperberg C, Launer LJ, Lind L, Loos RJF, Majumder AAS, Laakso M, McCarthy MI, Melander O, Mohlke KL, Murray AD, Nordestgaard BG, Orho-Melander M, Packard CJ, Padmanabhan S, Palmas W, Polasek O, Porteous DJ, Prentice AM, Province MA, Relton CL, Rice K, Ridker PM, Rolandsson O, Rosendaal FR, Rotter JI, Rudan I, Salomaa V, Samani NJ, Sattar N, Sheu WH, Smith BH, Soranzo N, Spector TD, Starr JM, Sebert S, Taylor KD, Lakka TA, Timpson NJ, Tobin MD; Understanding Society Scientific Group, van der Harst P, van der Meer P, Ramachandran VS, Verweij N, Virtamo J, Völker U, Weir DR, Zeggini E, Charchar FJ; Million Veteran Program, Wareham NJ, Langenberg C, Tomaszewski M, Butterworth AS, Caulfield MJ, Danesh J, Edwards TL, Holm H, Hung AM, Lindgren CM, Liu C, Manning AK, Morris AP, Morrison AC, O'Donnell CJ, Psaty BM, Saleheen D, Stefansson K, Boerwinkle E, Chasman DI, Levy D, Newton-Cheh C, Munroe PB, Howson JMM. *Nat Genet.* 2021 May;53(5):762. doi: 10.1038/s41588-021-00832-z.

[Carbonic anhydrase seven bundles filamentous actin and regulates dendritic spine morphology and density.](#) Bertling E, Blaesse P, Seja P, Kremneva E, Gateva G, Virtanen MA, Summanen M, Spoljaric I, Uvarov P, Blaesse M, Paavilainen VO, Vutskits L, Kaila K, Hotulainen P, Ruusuvaari E. *EMBO Rep.* 2021 Apr 7;22(4):e50145. doi: 10.15252/embr.202050145. Epub 2021 Mar 15.

[Calcium Signaling in the Thyroid: Friend and Foe.](#) Asghar MY, Lassila T, Törnquist K. *Cancers (Basel).* 2021 Apr 21;13(9):1994. doi: 10.3390/cancers13091994.

[Human adipocyte differentiation and composition of disease-relevant lipids are regulated by miR-221-3p.](#) Ahonen MA, Asghar MY, Parviainen SJ, Liebisch G, Höring M, Leidenius M, Fischer-Posovszky P, Wabitsch M, Mikkola TS, Törnquist K, Savolainen-Peltonen H, Haridas PAN, Olkkonen VM. *Biochim Biophys Acta Mol Cell Biol Lipids.* 2021 Jan;1866(1):158841. doi: 10.1016/j.bbalip.2020.158841. Epub 2020 Oct 16.

[Corrigendum to: "Genome-wide association study of non-alcoholic fatty liver and steatohepatitis in a histologically characterised cohort"☆ \(J Hepatol \[2020\] 505-515\).](#) Anstee QM, Darlay R, Cockell S, Meroni M, Govaere O, Tiniakos D, Burt AD, Bedossa P, Palmer J, Liu YL, Aithal GP, Allison M, Yki-Järvinen H, Vacca M, Dufour JF, Invernizzi P, Prati D, Ekstedt M, Kechagias S, Francque S, Petta S, Bugianesi E, Clement K, Ratziu V, Schattenberg JM, Valenti L, Day CP, Cordell HJ, Daly AK; EPoS Consortium Investigators. *J Hepatol.* 2021 May;74(5):1274-1275. doi: 10.1016/j.jhep.2021.02.003. Epub 2021 Mar 5.

[The emerging roles of OSBP-related proteins in cancer: Impacts through phosphoinositide metabolism and protein-protein interactions.](#) Olkkonen VM. *Biochem Pharmacol.* 2021 Feb 5:114455. doi: 10.1016/j.bcp.2021.114455. Online ahead of print. PMID: 33556339 Review.

[Response to Letter on use of functional imaging by 11C-metomidate PET for primary aldosteronism subtyping.](#) Soinio M, Luukkonen AK, Seppänen M, Kemppainen J, Seppänen J, Pienimäki JP, Leijon H, Vesterinen T, Arola J, Lantto E, Helin S, Tikkanen I, Metso S, Mirtti T, Heiskanen I, Norvio L, Tiikkainen M, Tikkanen T, Sane T, Välimäki M, Gomez-Sanchez CE, Pörsti I, Nuutila P, Nevalainen PI, Matikainen N. Eur J Endocrinol. 2021 Mar;184(3):L11-L12. doi: 10.1530/EJE-21-0048.

[An action plan for pan-European defence against new SARS-CoV-2 variants.](#) Priesemann V, Balling R, Brinkmann MM, Ciesek S, Czepionka T, Eckerle I, Giordano G, Hanson C, Hel Z, Hotulainen P, Klimmek P, Nassehi A, Peichl A, Perc M, Petelos E, Prainsack B, Szczurek E. Lancet. 2021 Feb 6;397(10273):469-470. doi: 10.1016/S0140-6736(21)00150-1. Epub 2021 Jan 21.

[The emerging roles of OSBP-related proteins in cancer: Impacts through phosphoinositide metabolism and protein-protein interactions.](#) Olkkonen VM. Biochem Pharmacol. 2021 Feb 5:114455. doi: 10.1016/j.bcp.2021.114455. Online ahead of print.

[Completed secondary education among youth with prenatal substance exposure: A longitudinal register-based matched cohort study.](#) Nissinen NM, Gissler M, Sarkola T, Kahila H, Autti-Rämö I, Koponen AM. J Adolesc. 2021 Jan;86:15-27. doi: 10.1016/j.adolescence.2020.11.006. Epub 2020 Nov 29.

[PGC-1 \$\alpha\$ Signaling Increases GABA\(A\) Receptor Subunit \$\alpha\$ 2 Expression. GABAergic Neurotransmission and Anxiety-Like Behavior in Mice.](#) Vanaveski T, Molchanova S, Pham DD, Schäfer A, Pajanoja C, Narvik J, Srinivasan V, Urb M, Koivisto M, Vasar E, Timmusk T, Minkeviciene R, Eriksson O, Lalowski M, Taira T, Korhonen L, Voikar V, Lindholm D. Front Mol Neurosci. 2021 Feb 1;14:588230. doi: 10.3389/fnmol.2021.588230. eCollection 2021.

[LAPTM4B controls the sphingolipid and ether lipid signature of small extracellular vesicles.](#) Dichlberger A, Zhou K, Bäck N, Nyholm T, Backman A, Mattjus P, Ikonen E, Blom T. Biochim Biophys Acta Mol Cell Biol Lipids. 2021 Feb;1866(2):158855. doi: 10.1016/j.bbalip.2020.158855. Epub 2020 Nov 10.

[Seipin traps triacylglycerols to facilitate their nanoscale clustering in the endoplasmic reticulum membrane.](#) Prasanna X, Salo VT, Li S, Ven K, Vihinen H, Jokitalo E, Vattulainen I, Ikonen E. PLoS Biol. 2021 Jan 22;19(1):e3000998. doi: 10.1371/journal.pbio.3000998. eCollection 2021 Jan.

[Cholesterol loading suppresses the atheroinflammatory gene polarization of human macrophages induced by colony stimulating factors.](#) Lappalainen J, Yeung N, Nguyen SD, Jauhiainen M, Kovanen PT, Lee-Rueckert M. Sci Rep. 2021 Mar 1;11(1):4923. doi: 10.1038/s41598-021-84249-y.

[Menaquinone 4 increases plasma lipid levels in hypercholesterolemic mice.](#) Weisell J, Ruotsalainen AK, Näpänkangas J, Jauhiainen M, Rysä J. Sci Rep. 2021 Feb 4;11(1):3014. doi: 10.1038/s41598-021-82724-0.

[Lipid Droplet Nucleation.](#) Thiam AR, Ikonen E. Trends Cell Biol. 2021 Feb;31(2):108-118.