

Heart Research Institute Publications 2019



Authors	Title	Source title	DOI
Akhavan, B., Croes, M., Wise, S.G., Zhai, C., Hung, J., Stewart, C., Ionescu, M., Weinans, H., Gan, Y., Amin Yavari, S., Bilek, M.M.M.	Radical-functionalized plasma polymers: Stable biomimetic interfaces for bone implant applications	Applied Materials Today	10.1016/j.apmt.2019.07.002
Arnott C., Patel S., Hyett J., Jennings G., Woodward M., Celermajer D.S.	Women and Cardiovascular Disease: Pregnancy, the Forgotten Risk Factor	Heart Lung and Circulation	10.1016/j.hlc.2019.09.011
Barracough J.Y., Garden F.L., Toelle B.G., Marks G.B., Baur L.A., Ayer J.G., Celermajer D.S.	Weight Gain Trajectories from Birth to Adolescence and Cardiometabolic Status in Adolescence	Journal of Pediatrics	10.1016/j.jpeds.2018.12.034
Barracough J.Y., Skilton M.R., Garden F.L., Toelle B.G., Marks G.B., Celermajer D.S.	Early and late childhood telomere length predict subclinical atherosclerosis at age 14 yrs. – The CardioCAPS study	International Journal of Cardiology	10.1016/j.ijcard.2018.12.065
Bartlett B., Ludewick H.P., Misra A., Lee S., Dwivedi G.	Macrophages and t cells in atherosclerosis: A translational perspective	American Journal of Physiology - Heart and Circulatory Physiology	10.1152/ajpheart.00206.2019
Biglari, S., Le, T.Y.L., Tan, R.P., Wise, S.G., Zambon, A., Codolo, G., De Bernard, M., Warkiani, M., Schindeler, A., Naficy, S., Valtchev, P., Khademhosseini, A., Dehghani, F.	Simulating Inflammation in a Wound Microenvironment Using a Dermal Wound-on-a-Chip Model	Advanced Healthcare Materials	10.1002/adhm.201801307
Boriani G., Healey J.S., Schnabel R.B., Lopes R.D., Calkins H., Camm J.A., Freedman B.	Oral anticoagulation for subclinical atrial tachyarrhythmias detected by implantable cardiac devices: an international survey of the AF-SCREEN Group	International Journal of Cardiology	10.1016/j.ijcard.2019.07.039
Breukelaar I.A., Erlinger M., Harris A., Boyce P., Hazell P., Grieve S.M., Antees C., Foster S., Gomes L., Williams L.M., Malhi G.S., Korgaonkar M.S.	Investigating the neural basis of cognitive control dysfunction in mood disorders	Bipolar Disorders	10.1111/bdi.12844
Brieger D., Connell C., Freedman B.	Stroke Risk Stratification: CHA 2 DS 2 -VA or CHA 2 DS 2 -VAsc?	Heart Lung and Circulation	10.1016/j.hlc.2018.09.013
Cai T.Y., Meroni A., Dissanayake H., Phang M., Avolio A., Celermajer D.S., Butlin M., Skilton M.R., Qasem A.	Validation of a cuff-based device for measuring carotid-femoral pulse wave velocity in children and adolescents	Journal of Human Hypertension	10.1038/s41371-019-0191-1
Callaghan F.M., Bannon P., Barin E., Celermajer D., Jeremy R., Figtree G., Grieve S.M.	Age-related changes of shape and flow dynamics in healthy adult aortas: A 4D flow MRI study	Journal of Magnetic Resonance Imaging	10.1002/jmri.26210

Carelli M.G., Seco M., Bannon P.G., Grieve S.M.	Is wall shear stress ready to become a prime-time clinical tool? — Measurement of post-surgical patterns in patients undergoing aortic valve and thoracic aortic replacement using 4-dimensional flow magnetic resonance imaging	Journal of Thoracic Disease	10.21037/jtd.2018.11.62
Cartland S.P., Genner S.W., Martínez G.J., Robertson S., Kockx M., Lin R.C., O'Sullivan J.F., Koay Y.C., Manuneehi Cholan P., Kebede M.A., Murphy A.J., Masters S., Bennett M.R., Jessup W., Kritharides L., Geczy C., Patel S., Kavurma M.M.	TRAIL-Expressing Monocyte/Macrophages Are Critical for Reducing Inflammation and Atherosclerosis	iScience	10.1016/j.isci.2018.12.037
Chan, A.H.P., Filipe, E.C., Tan, R.P., Santos, M., Yang, N., Hung, J., Feng, J., Nazir, S., Benn, A.J., Ng, M.K.C., Rnjak-Kovacina, J., Wise, S.G.	Altered processing enhances the efficacy of small-diameter silk fibroin vascular grafts	Scientific Reports	10.1038/s41598-019-53972-y
Chen Y., Ju L.A., Zhou F., Liao J., Xue L., Su Q.P., Jin D., Yuan Y., Lu H., Jackson S.P., Zhu C.	An integrin α IIb β 3 intermediate affinity state mediates biomechanical platelet aggregation	Nature Materials	10.1038/s41563-019-0323-6
Chen Y., Liao J., Yuan Z., Li K., Liu B., Ju L.A., Zhu C.	Fast force loading disrupts molecular binding stability in human and mouse cell adhesions	MCB Molecular and Cellular Biomechanics	10.32604/mcb.2019.07267
Chiesa S.T., Masi S., Shipley M.J., Ellins E.A., Fraser A.G., Hughes A.D., Patel R.S., Khir A.W., Halcox J.P., Singh-Manoux A., Kivimaki M., Celermajer D.S., Deanfield J.E.	Carotid artery wave intensity in mid-to late-life predicts cognitive decline: The Whitehall II study	European Heart Journal	10.1093/eurheartj/ehz189
Choudhary P., Strugnell W., Puranik R., Hamilton-Craig C., Kutty S., Celermajer D.S.	Left ventricular non-compaction in patients with single ventricle heart disease	Cardiology in the Young	10.1017/S1047951119001872
Cohen E.M., Mohammed S., Kavurma M., Nedoboy P.E., Cartland S., Farnham M.M.J., Pilowsky P.M.	Microglia in the RVLM of SHR have reduced P2Y12R and CX3CR1 expression, shorter processes, and lower cell density	Autonomic Neuroscience: Basic and Clinical	10.1016/j.autneu.2018.12.002
Cordina R.L., Playford D., Lang I., Celermajer D.S.	State-of-the-Art Review: Echocardiography in Pulmonary Hypertension	Heart Lung and Circulation	10.1016/j.hlc.2019.03.003
D'Ambrosio P., Tran D., Verrall C.E., Attard C., Singh M.F., Ayer J., d'Udekem Y., Twigg S., Celermajer D.S., Cordina R.	Prevalence and risk factors for low bone density in adults with a Fontan circulation	Congenital Heart Disease	10.1111/chd.12836
da Costa F.A., Mala-Ladova K., Lee V., Tous S., Papastergiou J., Griffiths D., Chaumais M.-C., Hersberger K.E., Viola R., Paulino E., Lobban T., Neubeck L., Freedman B., Antoniou S.	Awareness campaigns of atrial fibrillation as an opportunity for early detection by pharmacists: an international cross-sectional study	Journal of Thrombosis and Thrombolysis	10.1007/s11239-019-02000-x
Dennis M.R., Cusick A., Borilovic J., Nicholson C., Derwin T., Puranik R., Celermajer D.S.	Left arm structure and function late after subclavian flap repair of aortic coarctation in childhood	Cardiology in the Young	10.1017/S1047951119000386
Dupuy A., Passam F.	Functional assays of thiol isomerase ERp5	Methods in Molecular Biology	10.1007/978-1-4939-9187-7_9
Farnham M.M.J., Tallapragada V.J., O'Connor E.T., Nedoboy P.E., Dempsey B., Mohammed S., Fong A.Y., Lung M.S.Y., Derakhshan F., Wilson R.J.A., Pilowsky P.M.	PACAP-PAC1 Receptor Activation Is Necessary for the Sympathetic Response to Acute Intermittent Hypoxia	Frontiers in Neuroscience	10.3389/fnins.2019.00881

Freedman B., Schnabel R., Calkins H.	Opportunistic Electrocardiogram Screening for Atrial Fibrillation to Prevent Stroke	JAMA Cardiology	10.1001/jamacardio.2018.4335
Fullard K., Maller J.J., Welton T., Lyon M., Gordon E., Koslow S.H., Grieve S.M.	Is occipital bending a structural biomarker of risk for depression and sensitivity to treatment?	Journal of Clinical Neuroscience	10.1016/j.jocn.2019.02.007
Gallagher R., Chow C., Parker H., Neubeck L., Celermajer D., Redfern J., Tofler G., Buckley T., Schumacher T., Ferry C., Whitley A., Chen L., Figtree G.	Design and rationale of the MyHeartMate study: A randomised controlled trial of a game-based app to promote behaviour change in patients with cardiovascular disease	BMJ Open	10.1136/bmjopen-2018-024269
Gnanappa G.K., Celermajer D.S., Zhu D., Puranik R., Ayer J.	Severe right ventricular dilatation after repair of Tetralogy of Fallot is associated with increased left ventricular preload and stroke volume	European Heart Journal Cardiovascular Imaging	10.1093/ehjci/jez035
Ha J.T., Neuen B.L., Cheng L.P., Jun M., Toyama T., Gallagher M.P., Jardine M.J., Sood M.M., Garg A.X., Palmer S.C., Mark P.B., Wheeler D.C., Jha V., Freedman B., Johnson D.W., Perkovic V., Badve S.V.	Benefits and harms of oral anticoagulant therapy in chronic kidney disease	Annals of Internal Medicine	10.7326/M19-0087
Hellewell S.C., Welton T., Maller J.J., Lyon M., Korgaonkar M.S., Koslow S.H., Williams L.M., Rush A.J., Gordon E., Grieve S.M., Gordon E.	Profound and reproducible patterns of reduced regional gray matter characterize major depressive disorder	Translational Psychiatry	10.1038/s41398-019-0512-8
Hennessy T., Soh L., Bowman M., Kurup R., Schultz C., Patel S., Hillis G.S.	The Low Dose Colchicine after Myocardial Infarction (LoDoCo-MI) study: A pilot randomized placebo controlled trial of colchicine following acute myocardial infarction	American Heart Journal	10.1016/j.ahj.2019.06.003
Indja B., Woldendorp K., Vallely M.P., Grieve S.M.	Silent Brain Infarcts Following Cardiac Procedures: A Systematic Review and Meta-Analysis	Journal of the American Heart Association	10.1161/JAHA.118.010920
Jackson S.P., Darbousset R., Schoenwaelder S.M.	Thromboinflammation: Challenges of therapeutically targeting coagulation and other host defense mechanisms	Blood	10.1182/blood-2018-11-882993
James N.L., Milijasevic Z., Ujhazy A., Edwards G., Jermyn K., Mynard J.P., Celermajer D.S.	The common carotid artery provides significant pressure wave dampening in the young adult sheep	IJC Heart and Vasculature	10.1016/j.ijcha.2019.03.003
Jin K., Khonsari S., Gallagher R., Gallagher P., Clark A.M., Freedman B., Briffa T., Bauman A., Redfern J., Neubeck L.	Telehealth interventions for the secondary prevention of coronary heart disease: A systematic review and meta-analysis	European Journal of Cardiovascular Nursing	10.1177/1474515119826510
Jouven X., Diop B.I., Narayanan K., Adoubi A., Ba S.A., Balde D., Damorou J.M., Diarra M.B., Dzudie A., Ferreira B., Houenassi S.M., Ikama M.-S., Kane A., Kane A., Kingue S., Mipinda J.-B., Mocumbi A.-O., Niakara A., Ouankou M., Aly Sidi A., Takombe J.-L., Toure I.A., Zabsonré P., Celermajer D.S., Lafont A., Dodinot B., Sagnol P., Marijon E., Africa-Pace Investigators from the African Research Network	Cardiac Pacing in Sub-Saharan Africa: JACC International	Journal of the American College of Cardiology	10.1016/j.jacc.2019.09.034

Kakall Z.M., Cohen E.M., Farnham M.M.J., Kim S.J., Nedoboy P.E., Pilowsky P.M.	Integration of hindbrain and carotid body mechanisms that control the autonomic response to cardiorespiratory and glucoprivic insults	Respiratory Physiology and Neurobiology	10.1016/j.resp.2018.08.008
Kakall Z.M., Kavurma M.M., Cohen E.M., Howe P.R., Nedoboy P.E., Pilowsky P.M.	Repetitive hypoglycemia reduces activation of glucose-responsive neurons in C1 and C3 medullary brain regions to subsequent hypoglycemia	American Journal of Physiology - Endocrinology and Metabolism	10.1152/ajpendo.00051.2019
Khandkar C., Vaidya K., Patel S.	Colchicine for Stroke Prevention: A Systematic Review and Meta-analysis	Clinical Therapeutics	10.1016/j.clinthera.2019.02.003
King G., Ayer J., Celermajer D., Zentner D., Justo R., Disney P., Zannino D., d'Udekem Y.	Atrioventricular Valve Failure in Fontan Palliation	Journal of the American College of Cardiology	10.1016/j.jacc.2018.12.025
Koay, Y.C., Wali, J.A., Luk, A.W.S., Macia, L., Cogger, V.C., Pulpitel, T.J., Wahl, D., Solon-Biet, S.M., Holmes, A., Simpson, S.J., O'sullivan, J.F.	Ingestion of resistant starch by mice markedly increases microbiome-derived metabolites	FASEB Journal	10.1096/fj.201900177R
Koo K., Inglis S.C., Freedman B., Thijs V., Ferguson C.	Implantable cardiac monitors compared with conventional methods for the detection of atrial high-rate episodes in individuals with embolic stroke of undetermined source	Cochrane Database of Systematic Reviews	10.1002/14651858.CD013464
Korgaonkar M.S., Erlinger M., Breukelaar I.A., Boyce P., Hazell P., Antees C., Foster S., Grieve S.M., Gomes L., Williams L.M., Harris A.W.F., Malhi G.S.	Amygdala Activation and Connectivity to Emotional Processing Distinguishes Asymptomatic Patients With Bipolar Disorders and Unipolar Depression	Biological Psychiatry: Cognitive Neuroscience and Neuroimaging	10.1016/j.bpsc.2018.08.012
Kott K.A., Vernon S.T., Hansen T., Yu C., Bubb K.J., Coffey S., Sullivan D., Yang J., O'Sullivan J., Chow C., Patel S., Chong J., Celermajer D.S., Kritharides L., Grieve S.M., Figtree G.A.	Biobanking for discovery of novel cardiovascular biomarkers using imaging-quantified disease burden: Protocol for the longitudinal, prospective, BioHEART-CT cohort study	BMJ Open	10.1136/bmjopen-2018-028649
Kott K.A., Vernon S.T., Hansen T., Yu C., Bubb K.J., Coffey S., Sullivan D., Yang J., O'Sullivan J., Chow C., Patel S., Chong J., Celermajer D.S., Kritharides L., Grieve S.M., Figtree G.A.	Biobanking for discovery of novel cardiovascular biomarkers using imaging-quantified disease burden: Protocol for the longitudinal, prospective, BioHEART-CT cohort study	BMJ Open	10.1136/bmjopen-2018-028649
Lam, Y.T., Lecce, L., Yuen, S.C., Wise, S.G., Handelsman, D.J., Karas, R.H., Ng, M.K.C.	Androgens Ameliorate Impaired Ischemia-Induced Neovascularization Due to Aging in Male Mice	Endocrinology	10.1210/en.2018-00951
Lima-Silveira L., Accorsi-Mendonça D., Bonagamba L.G.H., Almado C.E.L., da Silva M.P., Nedoboy P.E., Pilowsky P.M., Machado B.H.	Enhancement of excitatory transmission in NTS neurons projecting to ventral medulla of rats exposed to sustained hypoxia is blunted by minocycline	Journal of Physiology	10.1113/JP277532

Liu G., Bursill C., Cartland S.P., Anwer A.G., Parker L.M., Zhang K., Feng S., He M., Inglis D.W., Kavurma M.M., Hutchinson M.R., Goldys E.M.	A Nanoparticle-Based Affinity Sensor that Identifies and Selects Highly Cytokine-Secreting Cells	iScience	10.1016/j.isci.2019.09.019
Liu X., Long M.J.C., Aye Y.	Proteomics and Beyond: Cell Decision-Making Shaped by Reactive Electrophiles	Trends in Biochemical Sciences	10.1016/j.tibs.2018.09.014
Long M.J., Liu X., Aye Y.	Genie in a bottle: controlled release helps tame natural polypharmacology?	Current Opinion in Chemical Biology	10.1016/j.cbpa.2019.02.014
Long M.J.C., Liu X., Aye Y.	Chemical biology gateways to mapping location, association, and pathway responsivity	Frontiers in Chemistry	10.3389/fchem.2019.00125
Lowres N., Giskes K., Hespe C., Freedman B.	Reducing stroke risk in atrial fibrillation: Adherence to guidelines has improved, but patient persistence with anticoagulant therapy remains suboptimal	Korean Circulation Journal	10.4070/kcj.2019.0234
Lowres N., Olivier J., Chao T.-F., Chen S.-A., Chen Y., Diederichsen A., Fitzmaurice D.A., Gomez-Doblas J.J., Harbison J., Healey J.S., Hobbs F.D.R., Kaasenbrood F., Keen W., Lee V.W., Lindholt J.S., Lip G.Y.H., Mairesse G.H., Mant J., Martin J.W., Martín-Rioboó E., McManus D.D., Muñiz J., Münzel T., Nakamya J., Neubeck L., Orchard J.J., De Torres L.A.P., Proietti M., Quinn F.R., Roalfe A.K., Sandhu R.K., Schnabel R.B., Smyth B., Soni A., Tieleman R., Wang J., Wild P.S., Yan B.P., Freedman B.	Estimated stroke risk, yield, and number needed to screen for atrial fibrillation detected through single time screening: A multicountry patient-level meta-analysis of 141,220 screened individuals	PLoS Medicine	10.1371/journal.pmed.1002903
Lyon M., Welton T., Varda A., Maller J.J., Broadhouse K., Korgaonkar M.S., Koslow S.H., Williams L.M., Gordon E., Rush A.J., Grieve S.M.	Gender-specific structural abnormalities in major depressive disorder revealed by fixel-based analysis	NeuroImage: Clinical	10.1016/j.nicl.2019.101668
MacEr-Wright J.L., Sileikaite I., Rayner B.S., Hawkins C.L.	8-Chloroadenosine Alters the Metabolic Profile and Downregulates Antioxidant and DNA Damage Repair Pathways in Macrophages	Chemical Research in Toxicology	10.1021/acs.chemrestox.9b00334
MacEr-Wright J.L., Stanley N.R., Portman N., Tan J.T., Bursill C., Rayner B.S., Hawkins C.L.	A Role for Chlorinated Nucleosides in the Perturbation of Macrophage Function and Promotion of Inflammation	Chemical Research in Toxicology	10.1021/acs.chemrestox.9b00044
Mackie G., Gao L., Yau S., Leslie D.C., Waterhouse A.	Clinical Potential of Immobilized Liquid Interfaces: Perspectives on Biological Interactions	Trends in Biotechnology	10.1016/j.tibtech.2018.08.003
Macniven R., Gwynn J., Fujimoto H., Hamilton S., Thompson S.C., Taylor K., Lawrence M., Finlayson H., Bolton G., Dulvari N., Wright D.C., Rambaldini B., Freedman B., Gwynne K.	Feasibility and acceptability of opportunistic screening to detect atrial fibrillation in Aboriginal adults	Australian and New Zealand Journal of Public Health	10.1111/1753-6405.12905
Maller J.J., Welton T., Middione M., Callaghan F.M., Rosenfeld J.V., Grieve S.M.	Revealing the Hippocampal Connectome through Super-Resolution 1150-Direction Diffusion MRI	Scientific Reports	10.1038/s41598-018-37905-9

Moore B.M., Cordina R.L., McGuire M.A., Celermajer D.S.	Efficacy and adverse effects of sotalol in adults with congenital heart disease	International Journal of Cardiology	10.1016/j.ijcard.2018.06.066
Naficy, S., Le, T.Y.L., Oveissi, F., Lee, A., Hung, J.C., Wise, S.G., Winlaw, D.S., Dehghani, F.	Highly Porous, Biocompatible Tough Hydrogels, Processable via Gel Fiber Spinning and 3D Gel Printing	Advanced Materials Interfaces	10.1002/admi.201901770
Nash M., McGrath J.P., Cartland S.P., Patel S., Kavurma M.M.	Tumour necrosis factor superfamily members in ischaemic vascular diseases	Cardiovascular Research	10.1093/cvr/cvz042
Nicolae M., Gentles T., Strange G., Tanous D., Disney P., Bullock A., Grigg L., Chen S.S.M., Pressley L., Cordina R., Hornung T., O'Donnell C., Celermajer D.S.	Adult Congenital Heart Disease in Australia and New Zealand: A Call for Optimal Care	Heart Lung and Circulation	10.1016/j.hlc.2018.10.015
Obeidy P., Ju L.A., Oehlers S.H., Zulkhernain N.S., Lee Q., Galeano Niño J.L., Kwan R.Y.Q., Tikoo S., Cavanagh L.L., Mrass P., Cook A.J.L., Jackson S.P., Biro M., Roediger B., Sixt M., Weninger W.	Partial loss of actin nucleator actin-related protein 2/3 activity triggers blebbing in primary T lymphocytes	Immunology and Cell Biology	10.1111/imcb.12304
Orchard J., Li J., Gallagher R., Freedman B., Lowres N., Neubeck L.	Uptake of a primary care atrial fibrillation screening program (AF-SMART): A realist evaluation of implementation in metropolitan and rural general practice	BMC Family Practice	10.1186/s12875-019-1058-9
Orchard J., Neubeck L., Freedman B., Li J., Webster R., Zwar N., Gallagher R., Ferguson C., Lowres N.	eHealth tools to provide structured assistance for atrial fibrillation screening, management, and guideline-recommended therapy in metropolitan general practice: The AF-SMART study	Journal of the American Heart Association	10.1161/JAHA.118.010959
Orchard J.J., Neubeck L., Orchard J.W., Puranik R., Raju H., Freedman B., La Gerche A., Semsarian C.	ECG-based cardiac screening programs: Legal, ethical, and logistical considerations	Heart Rhythm	10.1016/j.hrthm.2019.03.025
Papa A.-L., Jiang A., Korin N., Chen M.B., Langan E.T., Waterhouse A., Nash E., Caroff J., Graveline A., Vernet A., Mammoto A., Mammoto T., Jain A., Kamm R.D., Gounis M.J., Ingber D.E.	Platelet decoys inhibit thrombosis and prevent metastatic tumor formation in preclinical models	Science Translational Medicine	10.1126/scitranslmed.aau5898
Passam F.J., Chiu J.	Allosteric disulphide bonds as reversible mechanosensitive switches that control protein functions in the vasculature	Biophysical Reviews	10.1007/s12551-019-00543-0
Perdomo J., Leung H.H.L., Ahmadi Z., Yan F., Chong J.J.H., Passam F.H., Chong B.H.	Neutrophil activation and NETosis are the major drivers of thrombosis in heparin-induced thrombocytopenia	Nature Communications	10.1038/s41467-019-09160-7
Pinget, G., Tan, J., Janac, B., Kaakoush, N.O., Angelatos, A.S., O'sullivan, J., Koay, Y.C., Sierro, F., Davis, J., Divakarla, S.K., Khanal, D., Moore, R.J., Stanley, D., Chrzanowski, W., Macia, L.	Corrigendum: Impact of the food additive titanium dioxide (e171) on gut microbiota-host interaction (Front. Nutr., (2019), 6, 10.3389/fnut.2019.00057)	Frontiers in Nutrition	10.3389/fnut.2019.00100

Poganik J.R., Long M.J.C., Disare M.T., Liu X., Chang S.-H., Hla T., Aye Y.	Post-transcriptional regulation of Nrf2-mRNA by the mRNA-binding proteins HuR and AUF1	FASEB journal : official publication of the Federation of American Societies for Experimental Biology	10.1096/fj.201901930R
Poh C.L., Celermajer D.S., Grigg L.E., Kalman J.M., McGuire M.A., Gentles T.L., Radford D.J., Bullock A., Disney P.J.S., Winlaw D., du Plessis K., d'Udekem Y.	Pacemakers are associated with a higher risk of late death and transplantation in the Fontan population	International Journal of Cardiology	10.1016/j.ijcard.2019.01.088
Raman K.S., Stokes M., Walls A., Perry R., Steele P.M., Burdeniuk C., De Pasquale C.G., Celermajer D.S., Selvanayagam J.B.	Feasibility of oxygen sensitive cardiac magnetic resonance of the right ventricle in pulmonary artery hypertension	Cardiovascular Diagnosis and Therapy	10.21037/cdt.2019.09.19
Ravindran D., Cartland S.P., Bursill C.A., Kavurma M.M.	Broad-spectrum chemokine inhibition blocks inflammation-induced angiogenesis, but preserves ischemia-driven angiogenesis	FASEB journal : official publication of the Federation of American Societies for Experimental Biology	10.1096/fj.201900232RR
Reyes L., Bishop D.P., Hawkins C.L., Rayner B.S.	Assessing the efficacy of dietary selenomethionine supplementation in the setting of cardiac ischemia/reperfusion injury	Antioxidants	10.3390/antiox8110546
Reyes L., Hawkins C.L., Rayner B.S.	Characterization of the cellular effects of myeloperoxidase-derived oxidants on H9c2 cardiac myoblasts	Archives of Biochemistry and Biophysics	10.1016/j.abb.2019.03.004
Ribeiro, R.V., Solon-Biet, S.M., Pulpitel, T., Senior, A.M., Cogger, V.C., Clark, X., O'Sullivan, J., Koay, Y.C., Hirani, V., Blyth, F.M., Seibel, M.J., Waite, L.M., Naganathan, V., Cumming, R.G., Handelsman, D.J., Simpson, S.J., Le Couteur, D.G.	Of older mice and men: Branched-chain amino acids and body composition	Nutrients	10.3390/nu11081882
Rychik J., Atz A.M., Celermajer D.S., Deal B.J., Gatzoulis M.A., Gewillig M.H., Hsia T.-Y., Hsu D.T., Kovacs A.H., McCrindle B.W., Newburger J.W., Pike N.A., Rodefeld M., Rosenthal D.N., Schumacher K.R., Marino B.S., Stout K., Veldtman G., Younoszai A.K., D'Udekem Y.	Evaluation and Management of the Child and Adult with Fontan Circulation: A Scientific Statement from the American Heart Association	Circulation	10.1161/CIR.0000000000000696
Santos, M., Reeves, B., Michael, P., Tan, R., Wise, S.G., Bilek, M.M.M.	Substrate geometry modulates self-assembly and collection of plasma polymerized nanoparticles	Communications Physics	10.1038/s42005-019-0153-5
Schilter H., Findlay A.D., Perryman L., Yow T.T., Moses J., Zahoor A., Turner C.I., Deodhar M., Foot J.S., Zhou W., Greco A., Joshi A., Rayner B., Townsend S., Buson A., Jarolimek W.	The lysyl oxidase like 2/3 enzymatic inhibitor, PXS-5153A, reduces crosslinks and ameliorates fibrosis	Journal of Cellular and Molecular Medicine	10.1111/jcmm.14074

Schnabel R.B., Haeusler K.G., Healey J.S., Freedman B., Boriani G., Brachmann J., Brandes A., Bustamante A., Casadei B., Crijns H.J.G.M., Doehner W., Engström G., Fauchier L., Friberg L., Gladstone D.J., Glotzer T.V., Goto S., Hankey G.J., Harbison J.A., Hobbs F.D.R., Johnson L.S.B., Kamel H., Kirchhof P., Korompoki E., Krieger D.W., Lip G.Y.H., Løchen M.-L., Mairesse G.H., Montaner J., Neubeck L., Ntaios G., Piccini J.P., Potpara T.S., Quinn T.J., Reiffel J.A., Ribeiro A.L.P., Rienstra M., Rosenqvist M., Sakis T., Sinner M.F., Svendsen J.H., Van Gelder I.C., Wachter R., Wijeratne T., Yan B.	Searching for Atrial Fibrillation Poststroke: A White Paper of the AF-SCREEN International Collaboration	Circulation	10.1161/CIRCULATIONAHA.119.040267
Seimon R.V., Wild-Taylor A.L., Keating S.E., McClintock S., Harper C., Gibson A.A., Johnson N.A., Fernando H.A., Markovic T.P., Center J.R., Franklin J., Liu P.Y., Grieve S.M., Lagopoulos J., Caterson I.D., Byrne N.M., Sainsbury A.	Effect of Weight Loss via Severe vs Moderate Energy Restriction on Lean Mass and Body Composition Among Postmenopausal Women With Obesity: The TEMPO Diet Randomized Clinical Trial	JAMA network open	10.1001/jamanetworkopen.2019.13733
Shanmugalingam R., Hennessy A., Makris A.	Aspirin in the prevention of preeclampsia: the conundrum of how, who and when	Journal of Human Hypertension	10.1038/s41371-018-0113-7
Shanmugalingam R., Wang X., Münch G., Fulcher I., Lee G., Chau K., Xu B., Kumar R., Hennessy A., Makris A.	A pharmacokinetic assessment of optimal dosing, preparation, and chronotherapy of aspirin in pregnancy	American Journal of Obstetrics and Gynecology	10.1016/j.ajog.2019.04.027
Shearer L., Justo R.N., Marathe S.P., Betts K., Venugopal P., Winlaw D.S., Bullock A., Robertson T., Gentles T.L., Celermajer D., D'Udekem Y., Alphonso N.	Augmentation of the pulmonary arteries at or prior to the Fontan procedure is not associated with worse long-term outcomes: A propensity-matched analysis from the Australia-New Zealand Fontan Registry	European Journal of Cardiothoracic Surgery	10.1093/ejcts/ezy376
Shen K.-K., Welton T., Lyon M., McCorkindale A.N., Sutherland G.T., Burnham S., Fripp J., Martins R., Grieve S.M.	Structural core of the executive control network: A high angular resolution diffusion MRI study	Human Brain Mapping	10.1002/hbm.24870
Solon-Biet, S.M., Cogger, V.C., Pulpitel, T., Wahl, D., Clark, X., Bagley, E.E., Gregoriou, G.C., Senior, A.M., Wang, Q.-P., Brandon, A.E., Perks, R., O'Sullivan, J., Koay, Y.C., Bell-Anderson, K., Kebede, M., Yau, B., Atkinson, C., Svineng, G., Dodgson, T., Wali, J.A., Piper, M.D.W., Juricic, P., Partridge, L., Rose, A.J., Raubenheimer, D., Cooney, G.J., Le Couteur, D.G., Simpson, S.J.	Branched-chain amino acids impact health and lifespan indirectly via amino acid balance and appetite control	Nature Metabolism	10.1038/s42255-019-0059-2
Soni A., Karna S., Fahey N., Sanghai S., Patel H., Raithatha S., Thanvi S., Nimbalkar S., Freedman B., Allison J., McManus D.D.	Age-and-sex stratified prevalence of atrial fibrillation in rural Western India: Results of SMART-India, a population-based screening study	International Journal of Cardiology	10.1016/j.ijcard.2018.12.016
Stewart, C., Akhavan, B., Wise, S.G., Bilek, M.M.M.	A review of biomimetic surface functionalization for bone-integrating orthopedic implants: Mechanisms, current approaches, and future directions	Progress in Materials Science	10.1016/j.pmatsci.2019.100588

Tan, R.P., Chan, A.H.P., Wei, S., Santos, M., Lee, B.S.L., Filipe, E.C., Akhavan, B., Bilek, M.M., Ng, M.K.C., Xiao, Y., Wise, S.G.	Bioactive Materials Facilitating Targeted Local Modulation of Inflammation	JACC: Basic to Translational Science	10.1016/j.jacbts.2018.10.004
Tang V., Fu S., Rayner B.S., Hawkins C.L.	8-Chloroadenosine induces apoptosis in human coronary artery endothelial cells through the activation of the unfolded protein response	Redox Biology	10.1016/j.redox.2019.101274
Tanianskii, D.A., Jarzebska, N., Birkenfeld, A.L., O'sullivan, J.F., Rodionov, R.N.	Beta-aminoisobutyric acid as a novel regulator of carbohydrate and lipid metabolism	Nutrients	10.3390/nu11030524
Tarp J.B., Sørgaard M.H., Christoffersen C., Jensen A.S., Sillesen H., Celermajer D., Eriksson P., Estensen M.-E., Nagy E., Holstein-Rathlou N.-H., Engstrøm T., Søndergaard L.	Subclinical atherosclerosis in patients with cyanotic congenital heart disease	International Journal of Cardiology	10.1016/j.ijcard.2018.08.104
Tucker B., Kurup R., Barraclough J., Henriquez R., Cartland S., Arnott C., Misra A., Martínez G., Kavurma M., Patel S.	Colchicine as a Novel Therapy for Suppressing Chemokine Production in Patients With an Acute Coronary Syndrome: A Pilot Study	Clinical Therapeutics	10.1016/j.clinthera.2019.07.015
Vaidya K., Martínez G., Patel S.	The Role of Colchicine in Acute Coronary Syndromes	Clinical Therapeutics	10.1016/j.clinthera.2018.07.023
Wang N., Fulcher J., Abey Suriya N., McGrady M., Wilcox I., Celermajer D., Lal S.	Tricuspid regurgitation is associated with increased mortality independent of pulmonary pressures and right heart failure: A systematic review and meta-analysis	European Heart Journal	10.1093/eurheartj/ehy641
Waterhouse A., Leslie D.C., Lightbown K., Antonoff D., Lightbown S., Dimitrakakis N., Hicks-Berthet J.B., Leslie C.N., Super M., Ingber D.E., Ackerman M.B.	Rapid Coating Process Generates Omniphobic Dentures in Minutes to Reduce C. albicans Biofouling	ACS Biomaterials Science and Engineering	10.1021/acsbomaterials.8b01214
Watson E.E., Ripoll-Rozada J., Lee A.C., Wu M.C.L., Franck C., Pasch T., Premdjee B., Sayers J., Pinto M.F., Martins P.M., Jackson S.P., Pereira P.J.B., Payne R.J.	Rapid assembly and profiling of an anticoagulant sulfoprotein library	Proceedings of the National Academy of Sciences of the United States of America	10.1073/pnas.1905177116
Welton T., Indja B.E., Maller J.J., Fanning J.P., Vallely M.P., Grieve S.M.	Replicable brain signatures of emotional bias and memory based on diffusion kurtosis imaging of white matter tracts	Human Brain Mapping	10.1002/hbm.24874
Welton T., Maller J.J., Lebel R.M., Tan E.T., Rowe D.B., Grieve S.M.	Diffusion kurtosis and quantitative susceptibility mapping MRI are sensitive to structural abnormalities in amyotrophic lateral sclerosis	NeuroImage: Clinical	10.1016/j.nicl.2019.101953
Woo K.S., Hu Y.J., Chook P., Wei A.N., Chan R., Yin Y.H., Celermajer D.S.	A Tale of Three Gorges in the Yangtze River: Comparing the Prevalence of Metabolic Syndrome According to ATP III, WHO, and IDF Criteria and the Association with Vascular Health in Modernizing China	Metabolic Syndrome and Related Disorders	10.1089/met.2018.0091
Zhang Y., Rayner B.S., Jensen M., Hawkins C.L.	In Vitro Stimulation and Visualization of Extracellular Trap Release in Differentiated Human Monocyte-derived Macrophages	Journal of visualized experiments : JoVE	10.3791/60541

Zhong L., Schrauben E.M., Garcia J., Uribe S., Grieve S.M., Elbaz M.S.M., Barker A.J., Geiger J., Nordmeyer S., Marsden A., Carlsson M., Tan R.-S., Garg P., Westenberg J.J.M., Markl M., Ebbers T.	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group	Journal of Magnetic Resonance Imaging	10.1002/jmri.26858
Zhu C., Chen Y., Ju L.A.	Dynamic bonds and their roles in mechanosensing	Current Opinion in Chemical Biology	10.1016/j.cbpa.2019.08.005