

Brown, Claire

"A high sensitivity phosphor-switch triggered by Cdk1 governs chromosome morphogenesis during cell division". Robellet X, Thattikota Y, Wang F, Wee TL, Pascariu M, Shankar S, Bonneil É, Brown CM, D'Amours D. *Genes Dev.* 2015. 29(4):426-439. PMID: 25691469.

"Any Way You Slice It - A Comparison of Confocal Microscopy Techniques". Jonkman J, Brown CM. *J Biomol Tech.* 2015. 26(2):54-65. PMID: 25802490.

"A Quantitative Measure of Field Illumination". Brown CM, Reilly A, Cole RW. *J Biomol Tech.* 2015. 26(2):37-44. PMID: 25802488.

"Dorsal Horn Parvalbumin Neurons Are Gate-Keepers of Touch-Evoked Pain after Nerve Injury". Petitjean H, Pawlowski SA, Fraine SL, Sharif B, Hamad D, Fatima T, Berg J, Brown CM, Jan LY, Ribeiro-da-Silva A, Braz JM, Basbaum AI, Sharif-Naeini R. *Cell Rep.* 2015. 13(6): 1246-1257. PMID: 26527000.

Chacron, Maurice

"Activation of parallel fiber feedback by spatially diffuse stimuli simultaneously reduces signal and noise correlations via independent mechanisms in a cerebellum-like structure". Simmonds B, Chacron MJ. *PLoS Comput Biol.* 2015. 11(1):e1004034. PMID: 25569283.

"Neural heterogeneities determine response characteristics to second-, but not first-order stimulus features". Metzen MG, Chacron MJ. *J Neuroscience.* 2015. 35(7):3124-3138. PMID: 25698748.

"Coding of envelopes by correlated but not single neuron activity requires neural variability". Metzen MG, Jamali M, Carriot J, Ávila-Åkerberg O, Cullen KE, Chacron MJ. *Proc Natl Acad Sci USA.* 2015. 112(15):4791-4796. PMID: 25825717.

"The increased sensitivity of irregular peripheral canal and otolith vestibular afferents optimizes their encoding of natural stimuli". Schneider AD, Jamali M, Carriot J, Chacron MJ, Cullen KE. *J Neurosci.* 2015. 35(14):5522-5536. PMID: 25855169.

"Coding stimulus amplitude by correlated neural activity". Metzen MG, Ávila-Åkerberg O, Chacron MJ. *Phys Rev E Stat Nonlin Soft matter Phys.* 2015. 91(4):042717. PMID: 25974537.

"Parallel sparse and dense information coding streams in the electrosensory midbrain". Sproule MK, Metzen MG, Chacron MJ. *Neurosci Lett.* 2015. 607:1-6. PMID: 26375927.

"Electrosensory midbrain neurons display feature invariant responses to natural communication stimuli". Aumentado-Armstrong T, Metzen MG, Sproule MK, Chacron MJ. *PLoS Comput Biol.* 2015. 11(10):e1004430. PMID: 26474395.

Chang, Thomas MS

"A novel nanobiotherapeutic poly-[hemoglobin-superoxide dismutase-catalase-carbonic anhydrase] with no cardiac toxicity for the resuscitation of a rat model with 90 minutes of sustained severe hemorrhagic shock with loss of 2/3 blood volume". Bian Y, Chang TM. *Artif Cells Nanomed Biotechnol.* 2015. 43(1):1-9. PMID: 25297052.

"Extraction of Superoxide Dismutase, Catalase and Carbonic Anhydrase from stroma-free red blood cell hemolysate for the preparation of the nanobiotechnological complex of PolyHemoglobin-Superoxide Dismutase-Catalase-Carbonic Anhydrase". Guo C, Gynn M, Chang TM. *Artif Cells Nanomed Biotechnol.* 2015. 43(3):157-162. PMID: 25961364.

"Red Blood Cell replacement or nanobiotherapeutics with enhanced red blood cell functions?" Chang TM. *Artif Cells Nanomed Biotechnol.* 2015. 43(3):145-147. PMID: 26096663.

"Hemoperfusion, Plasmapheresis and Other Clinical Uses of General, Biospecific, Immuno and Leucocyte Adsorbents". Edited by: Chang TM, Endo Y, Nikolaev, Tani T, Yu Y, Zheng WH. In book series *Regenerative Medicine, Artificial Cells and Nanomedicine*. Vol. 4. World Scientific Publisher/Imperial College Press, Singapore/United Kingdom.

Cook, Erik

"Dynamics of the functional link between area MT LFPs and motion detection". Smith JE, Beliveau V, Schoen A, Remz J, Zhan CA, Cook EP. *J Neurophysiol.* 2015. 114(1):80-98. PMID: 25948867.

Cooper, Ellis

"Short-term diabetic hyperglycemia suppresses celiac ganglia neurotransmission, thereby impairing sympathetically mediated glucagon responses". Munding TO, Cooper E, Coleman MP, Taborsky GJ Jr. *Am J Physiol Endocrinol Metab.* 2015. 309(3):E246-255. PMID: 26037249.

"Nanoparticle-Based and Bioengineered Probes and Sensors to Detect Physiological and Pathological Biomarkers in Neural Cells". Maysinger D, Ji J, Hutter E, Cooper E. *Front Neurosci.* 2015. 9:480. PMID: 26733793.

Cullen, Kathleen

"Neural circuits that drive binocular eye movements: implications for understanding and correcting strabismus". Cullen KE. *Invest Ophthalmol Vis Sci.* 2015. 56(1):20. PMID: 25555399.

"Neural correlates of sensory prediction errors in monkeys: Evidence for internal models of voluntary self-motion in the cerebellum". Cullen KE, Brooks JX. *Cerebellum.* 2015. 14(1):31-31. PMID: 25287644.

"Local population synchrony and the encoding of eye position in the primate neural integrator". Dale A, Cullen KE. *J Neurosci.* 2015. 35(10):4287-4295. PMID: 25762675.

"Integration of canal and otolith inputs by central vestibular neurons is subadditive for both active and passive self-motion: Implications for perception". Carriot J, Jamali M, Brooks JX, Cullen KE. *J Neurosci.* 2015. 35(8):3555-3565. PMID: 25716854.

"Histopathologic Changes of the Inner ear in Rhesus Monkeys After Intratympanic Gentamicin Injection and Vestibular Prosthesis Electrode Array Implantation". Sun DQ, Lehar M, Dai C, Swarthout L, Lauer AM, Carey JP, Mitchell DE, Cullen KE, Della Santina CC. *J Assoc Res Otolaryngol.* 2015. 16(3):373-387. PMID: 25790951.

"The increased sensitivity of irregular peripheral canal and otolith vestibular afferents optimizes their encoding of natural stimuli". Schneider AD, Jamali M, Carriot J, Chacron MJ, Cullen KE. *J Neurosci.* 2015. 35(14):5522-5536. PMID: 25855169.

"Coding of envelopes by correlated but not single neuron activity requires neural variability". Metzen MG, Jamali M, Carriot J, Avila-Akerberg O, Cullen KE, Chacron MJ. *Proc Natl Acad Sci USA.* 2015. 112(15):4791-4796. PMID: 25825717.

"Rapid adaptation of multisensory integration in vestibular pathways". Carriot J, Jamali M, Cullen KE. *Front Syst Neurosci.* 2015. 9:59. PMID: 25932009.

"Learning to expect the unexpected: rapid updating in primate cerebellum during voluntary self-motion". Brooks JX, Carriot J, Cullen KE. *Nat Neurosci*. 2015. 18(9):1310-1317. PMID: 26237366.

Glass, Leon

"Chaotic dynamics and diffusion in a piecewise linear equation". Shahrear P, Glass L, Edwards R. *Chaos*. 2015. 25(3):033103. PMID: 25833425.

"Dynamical disease: Challenges for nonlinear dynamics and medicine". Glass L. *Chaos*. 2015. 25(9):097603. PMID: 26428556.

"Dynamics in piecewise linear and continuous models of complex switching networks". Shahrear P, Glass L, Wilds R, Edwards R. *Math Comput Simul*. 2015. 110:33-39.

"Predicting the onset of period-doubling bifurcations in noisy cardiac systems". Quail T, Shrier A, Glass L. *Proc Natl Acad Sci USA*. 2015. 112(30):9358-9363. PMID: 26170301.

"Functional characterization of oscillatory and excitable media". Glass L, Shrier A. *Bull Math Biol*. 2015. 77(5):782-795. PMID: 25266320.

Glavinovic, Mladen

"Spatial profiles of potential, ion concentration and flux in short unipolar and bipolar nanopores". Tajparast M, Viridi G, Glavinović MI. *Biochim Biophys Acta*. 2015. 1848(10 Pt A):2138-2153. PMID: 26079796.

Hanrahan, John

"Regulation of the cystic fibrosis transmembrane conductance regulator anion channel by tyrosine phosphorylation". Billet A, Jia Y, Jensen T, Riordan JR, Hanrahan JW. *FASEB J*. 2015. 29(9):3945-3953. PMID: 26062600.

"Cholesterol modulates CFTR confinement in the plasma membrane of primary epithelial cells". Abu-Arish A, Pandzic E, Goepf J, Matthes E, Hanrahan JW, Wiseman PW. *Biophys J*. 2015. 109(1):85-94. PMID: 26153705.

"Ibuprofen rescues mutant cystic fibrosis transmembrane conductance regulator trafficking". Carlile GW, Robert R, Goepf J, Matthes E, Liao J, Kus B, Macknight SD, Rotin D, Hanrahan JW, Thomas DY. *J Cyst Fibros*. 2015. 14(1):16-25. PMID: 24974227.

"Polymer assisted entrapment of netilmicin in PLGA nanoparticles for sustained antibacterial activity". Kolate A, Kore G, Lesimple P, Baradia D, Patil S, Hanrahan JW, Misra A. *J Microencapsul*. 2015. 32(1):61-74. PMID: 25238317.

"Potential sites of CFTR activation by tyrosine kinases". Billet A, Jia Y, Jensen TJ, Hou YX, Chang XB, Riordan JR, Hanrahan JW. *Channels (Austin)*. Epub 2015 Dec 8.

Jones, Russell

"Metformin antagonizes cancer cell proliferation by suppressing mitochondrial-dependent biosynthesis". Griss T, Vincent EE, Egnatchik R, Chen J, Ma EH, Faubert B, Viollet B, DeBerardinis RJ, Jones, RG. *PLoS Biol*. 2015. 13(12):e1002309. PMID: 26625127.

“Attenuation of AMPK signaling by ROQUIN promotes T follicular helper cell formation”. Ramiscal RR, Parish IA, Lee-Young RS, Babon JJ, Blagih J, Pratama A, Martin J, Hawley N, Cappello JY, Nieto PF, Ellyard JI, Kershaw NJ, Sweet RA, Goodnow CC, Jones RG, Febbraio MA, Vinuesa CG, Athanasopoulos V. *Elife*. 2015. 4. pii: e08698. PMID: 26496200.

“Oncogenic Myc induces expression of glutamine synthetase through promoter demethylation”. Bott AJ, Peng IC, Fan Y, Faubert B, Zhao L, Li J, Neidler S, Sun Y, Jaber N, Krokowski D, Lu W, Pan JA, Powers S, Rabinowitz J, Hatzoglou M, Murphy DJ, Jones R, Wu S, Girnun G, Zong WX. *Cell Metab*. 2015. 22(6):1068-1077. PMID: 26603296.

“Mitochondrial phosphoenolpyruvate carboxykinase (PCK2) regulates metabolic adaptation and enables glucose-independent tumor growth”. Vincent EE, Sergushichev A, Griss T, Gingras MC, Samborska B, Ntimbane T, Coelho PP, Blagih J, Raissi T, Choinière L, Bridon G, Loginicheva E, Flynn BR, Thomas EC, Tavaré JM, Avizonis D, Pause A, Elder DJ, Artyomov MN, Jones RG. *Mol Cell*. 2015. 60(2):195-207. PMID: 26474064.

“PDK1-dependent metabolic reprogramming dictates metastatic potential in breast cancer”. Dupuy F, Tabariès S, Andrzejewski S, Dong Z, Blagih J, Annis MG, Omeroglu A, Gao D, Leung S, Amir E, Clemons M, Aguilar-Mahecha A, Basik M, Vincent EE, St.-Pierre J, Jones RG, Siegel PM. *Cell Metab*. 2015. 22(4):577-589. PMID: 26365179.

“LKB1 couples glucose metabolism to insulin secretion in mice”. Fu A, Robitaille K, Faubert B, Reeks C, Dai XQ, Hardy AB, Sankar KS, Ogral S, Al-Dirbashi OY, Rocheleau JV, Wheeler MB, MacDonald PE, Jones R, Srean RA. *Diabetologia*. 2015. 58(7):1513-1522. PMID: 25874445.

A roadmap for interpreting ¹³C metabolite labeling patterns from cells. Buescher JM, Antoniewicz MR, Boros LG, Burgess SC, Brunengraber H, Clish CB, DeBerardinis RJ, Feron O, Frezza C, Ghesquiere B, Gottlieb E, Hiller K, Jones RG, Kamphorst JJ, Kibbey RG, Kimmelman AC, Locasale JW, Lunt SY, Maddocks OD, Malloy C, Metallo CM, Meuillet EJ, Munger J, Nöh K, Rabinowitz JD, Ralser M, Sauer U, Stephanopoulos G, St-Pierre J, Tennant DA, Wittmann C, Vander Heiden MG, Vazquez A, Vousden K, Young JD, Zamboni N, Fendt SM. *Curr Opin Biotechnol*. 2015. 34:189-201. PMID: 25731751.

“p53 mediates loss of hematopoietic stem cell function and lymphopenia in Mym1 deficiency”. Belle JI, Langlais D, Petrov JC, Pardo M, Jones RG, Gros P, Nijnik A. *Blood*. 2015. 125(15):2344-2348. PMID: 25710881.

“The energy sensor AMPK regulates T cell metabolic adaptation and effector responses *in vivo*”. Blagih J, Coulombe F, Vincent EE, Dupuy F, Galicia-Vazquez G, Yurchenko E, Raissi TC, van der Windt GJW, Viollet B, Pearce EL, Pelletier J, Piccirillo CA, Krawczyk CM, Divangahi M, Jones RG. *Immunity*. 2015. 42(1):41-54. PMID: 25607458.

“Differential effects of AMPK agonists on cell growth and metabolism”. Vincent EE, Coelho PP, Blagih J, Griss T, Viollet B, Jones RG. *Oncogene*. 2015. 34(28):3627-3639. PMID: 25241895.

Khadra, Anmar

“Development, growth and maintenance of β -cell mass: Models are also part of the story”. Khadra A, Schnell S. *Mol Aspects Med*. 2015.42:78-90. PMID: 25720614.

“Continuum model of T-cell avidity: Understanding autoreactive and regulatory T-cell responses in type 1 diabetes”. Jaber-Douraki M, Pietropaolo M, Khadra A. *J Theor Biol.* 2015. 383:93-105. PMID: 26271890.

“Prediction and prevention of type 1 diabetes: Update on success of prediction and struggles at prevention”. Michels A, Zhang L, Khadra A, Kushner JA, Redondo MJ, Pietropaolo M. *Pediatr Diabetes.* 2015.16(7):465-484. PMID: 26202050.

“Immunogenetics of type 1 diabetes mellitus”. Morran MP, Vonberg A, Khadra A, Pietropaolo M. *Mol Aspects Med.* 2015. 42:42-60. PMID: 25579746.

“Unraveling the contribution of pancreatic beta-cell suicide in autoimmune type 1 diabetes”. Jaber-Douraki M, Schnell S, Pietropaolo M, Khadra A. *J Theor Biol.* 2015. 375:77-87. PMID: 24831415.

Krawczyk, Connie

“Iron prevents the development of experimental cerebral malaria by attenuating CXCR3-mediated T cell chemotaxis”. Van Den Ham KM, Shio MT, Rainone A, Fournier S, Krawczyk CM, Olivier M. *PLoS One.* 2015. 10(3):e0118451. PMID: 25768944.

“The energy sensor AMPK regulates T cell metabolic adaptation and effector responses *in vivo*”. Blagih J, Coulombe F, Vincent EE, Dupuy F, Galicia-Vazquez G, Yurchenko E, Raissi TC, van der Windt GJW, Viollet B, Pearce EL, Pelletier J, Piccirillo CA, Krawczyk CM, Divangahi M, Jones RG. *Immunity.* 2015. 42(1):41-54. PMID: 25607458.

Lukacs, Gergely

“Potentiators of defective $\Delta F508$ -CFTR channel gating that do not interfere with corrector action”. Phuan PW, Veit G, Tan JA, Finkbeiner WE, Lukacs GL, Verkman AS. *Mol Pharmacol.* 2015. 88(4):791-799. PMID: 26245207.

“Interplay of Endosomal pH and Ligand Occupancy in Integrin $\alpha 5\beta 1$ Ubiquitination, Endocytic Sorting, and Cell Migration”. Kharitidi D, Apaja PM, Manteghi S, Suzuki K, Malitskaya E, Roldan A, Gingras MC, Takagi J, Lukacs GL, Pause A. *Cell Rep.* 2015. 13(3):599-609. PMID: 26456826.

“Alcohol disrupts levels and function of the cystic fibrosis transmembrane conductance regulator to promote development of pancreatitis”. Maléth J, Balázs A, Pallagi P, Balla Z, Kui B, Katona M, Judák L, Németh I, Kemény LV, Rakonczay Z Jr, Venglovecz V, Földesi I, Pető Z, Somorác Á, Borka K, Perdomo D, Lukacs GL, Gray MA, Monterisi S, Zaccolo M, Sandler M, Mayerle J, Kühn JP, Lerch MM, Sahin-Tóth M, Hegyi P. *Gastroenterology.* 2015. 148(2):427-439. PMID: 25447846.

“Channel Gating Regulation by the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) First Cytosolic Loop”. Ehrhardt A, Chung WJ, Pyle LC, Wang W, Nowotarski K, Mulvihill CM, Ramjeesingh M, Hong J, Velu SE, Lewis HA, Atwell S, Aller S, Bear CE, Lukacs, GL, Kirk KL, Sorscher EJ. *J Biol Chem.* Epub 2015 Dec 1. PMID: 26627831.

“Non-native Conformers of Cystic Fibrosis Transmembrane Conductance Regulator NBD1 Are Recognized by Hsp27 and Conjugated to SUMO-2 for Degradation”. Gong X, Ahner A, Roldan A, Lukacs GL, Thibodeau PH, Frizzell RA. *J Biol Chem.* Epub 2015 Dec 1. PMID: 26627832.

Mandl, Judith

"Reservoir host immune responses to emerging zoonotic viruses". Mandl JN, Ahmed R, Barreiro LB, Daszak P, Epstein JH, Virgin HW, Feinberg MB. *Cell*. 2015. 160(1-2):20-35. PMID: 25533784.

"Robust and sustained immune activation in human Ebola virus infection". Mandl JN, Feinberg MB. *Proc Natl Acad Sci USA*. 2015. 112(15):4518-4519. PMID:25852148.

Mortola, Jacopo

"Respiratory sinus arrhythmia in young men and women at different chest wall configurations". Mortola JP, Marghescu D, Siegrist-Johnstone R. *Clin Sci*. 2015. 128(8):507-516. PMID: 25387977.

"Thermographic analysis of the radiant heat of chicken and duck eggs in relation to the embryo's oxygen consumption". Mortola JP, Kim J, Lorzadeh A, Leurer, C. *J Therm Biol*. 2015. 48:77-84. PMID: 25660634.

"The heart rate - breathing rate relationship in aquatic mammals: a comparative analysis with terrestrial species". Mortola JP. *Curr Zoology*. 2015. 61(4):569-577.

"The neonatal neuro-mechanical unit: generalities of operation". Mortola, JP. in *Pediatric and Neonatal Mechanical Ventilation: From Basics to Clinical Practice*. Editor: PC Rimensberger. Springer-Verlag Berlin. 2015. pp 27-42.

"Generalities of gas diffusion applied to the vertebrate blood-gas barrier". Mortola, JP. in *The Vertebrate Blood-Gas Barrier in Health and Disease: Structure, Development and Remodeling*. Editor: AN Makanya. Springer International Publishing Switzerland. 2015. pp 1-14.

Nyzhnyk (Nijnik), Anastasiya

"p53 mediates loss of hematopoietic stem cell function and lymphopenia in Mym1-deficiency". Belle JI, Langlais D, Petrov JC, Pardo M, Jones RG, Gros P, Nijnik A. *Blood*. 2015. 125(15):2344-2348. PMID: 25710881.

"Deubiquitinase MYSM1 is Essential for Normal Fetal Liver Hematopoiesis and for the Maintenance of Hematopoietic Stem Cells in Adult Bone Marrow". Förster M, Belle JI, Petrov JC, Ryder EJ, Clare S, Nijnik A. *Stem Cells Dev*. 2015. 24(16):1865-1877. PMID: 26125289.

"Ubiquitin specific protease 21 is dispensable for normal development, hematopoiesis and lymphocyte differentiation". Pannu J, Belle JI, Förster M, Duerr CU, Shen S, Kane L, Harcourt K, Fritz JH, Clare S, Nijnik A. *PLoS One*. 2015. 10(2):e0117304. PMID: 25680095.

Orlowski, John

"Determinants of Cation Permeation and Drug Sensitivity in Predicted Transmembrane Helix 9 and Adjoining Exofacial Re-entrant Loop 5 of Na⁺/H⁺ Exchanger NHE1". Jinadasa T, Josephson CB, Boucher A, Orlowski J. *J Biol Chem*. 2015. 290(29):18173-18186. PMID: 26063808.

Ponka, Prem

"Thioredoxin-interacting protein regulates the differentiation of murine erythroid precursors". Gasiorek JJ, Mikhael M, Garcia-Santos D, Hui ST, Ponka P, Blank V. *Exp Hematol*. 2015. 43(5):393-403. PMID: 25600403.

"Mice are poor heme absorbers and do not require intestinal Hmox1 for dietary heme iron assimilation". Fillebeen C, Gkouvatsos K, Fragoso G, Calvé A, Garcia-Santos D, Buffler M, Becker C, Schümann K, Ponka P, Santos MM, Pantopoulos K. *Haematologica*. 2015. 100(9):e334-337. PMID: 25975840.

"Iron". Ponka P, Tenenbein M, Eaton JW. in *Handbook on the Toxicology of Metals*. Editors: GF Nordberg, BA Fowler, M Nordberg. Academic Press. 2015. pp 897-902.

"Polyclonal and Hereditary Sideroblastic Anemias". Ponka P, Prchal JT. in *Williams Hematology (9th ed.)*. Editors: K Kaushansky, MA Lichtman, JT Prchal, MM Levi, OW Press, LJ Burns, M Caligiuri. McGraw-Hill. pp 915-922.

Sharif-Naeini, Reza

"Dorsal Horn Parvalbumin Neurons Are Gate-Keepers of Touch-Evoked Pain after Nerve Injury". Petitjean H, Pawlowski SA, Fraine SL, Sharif B, Hamad D, Fatima T, Berg J, Brown CM, Jan LY, Ribeiro-da-Silva A, Braz JM, Basbaum AI, Sharif-Naeini R. *Cell Rep*. 2015. 13(6):1246-1257. PMID: 26527000.

"Differential Regulation of 6- and 7-Transmembrane Helix Variants of μ -Opioid Receptor in Response to Morphine Stimulation". Convertino M, Samoshkin A, Viet CT, Gauthier J, Li Fraine SP, Sharif-Naeini R, Schmidt BL, Maixner W, Diatchenko L, Dokholyan NV. *PLoS One*. 2015. 10(11):e0142826. PMID: 26554831.

"Contribution of mechanosensitive ion channels to somatosensation". Sharif-Naeini R. *Prog Mol Biol Transl Sci*. 2015. 131:53-71. PMID: 25744670.

"Primary afferent and spinal cord expression of gastrin-releasing peptide: message, protein and antibody concerns". Solorzano C, Villafuerte D, Meda K, Cevikbas F, Braz J, Sharif-Naeini R, Juarez-Salinas D, Llewelyn-Smith IJ, Guan Z, Basbaum AI. *J Neurosci*. 2015. 35(2):648-657. PMID: 25589759.

Shrier, Alvin

"Predicting the onset of period-doubling bifurcations in noisy cardiac systems". Quail T, Shrier A, Glass L. *Proc Natl Acad Sci USA*. 2015. 112(30):9358-9363. PMID: 26170301.

Stochaj, Ursula

"Hsc70 chaperone activity underlies Trio GEF function in axon growth and guidance induced by netrin-1". DeGeer J, Kaplan A, Mattar P, Morabito M, Stochaj U, Kennedy TE, Debant A, Cayouette M, Fournier AE, Lamarche-Vane N. *J Cell Biol*. 2015. 210(5):817-832. PMID: 26323693.

"Age, atherosclerosis and type 2 diabetes reduce human mesenchymal stromal cell-mediated T-cell suppression". Kizilay Mancini O, Shum-Tim D, Stochaj U, Correa JA, Colmegna I. *Stem Cell Res Ther*. 2015. 6(1):140. PMID: 26253429.

"5'-AMP-activated protein kinase alpha regulates stress granule biogenesis". Mahboubi H, Barisé R, Stochaj U. *Biochim Biophys Acta*. 2015. 1853(7):1725-1737. PMID: 25840010.

"Data in support of 5'AMP-activated protein kinase alpha regulates stress granule biogenesis". Mahboubi H, Barisé R, Stochaj U. *Data Brief*. 2015. 4:54-59. PMID: 26217763.

"Enhanced killing of SCC17B human head and neck squamous cell carcinoma cells after photodynamic therapy plus fenretinide via the de novo sphingolipid biosynthesis pathway and apoptosis". Boppana NB, Stochaj U, Kodiha M, Bielawska A, Bielawski J, Pierce JS, Korbelik M, Separovic D. *Int J Oncol*. 2015. 46(5):2003-2010. PMID: 25739041.

"Impact of Leishmania infection on host macrophage nuclear physiology and nucleopore complex integrity". Isnard A, Christian JG, Kodiha M, Stochaj U, McMaster WR, Olivier M. *PLoS Pathog*. 2015. 11(3):e1004776. PMID: 25826301.

"C6-pyridinium ceramide sensitizes SCC17B human head and neck squamous cell carcinoma cells to photodynamic therapy". Boppana NB, Stochaj U, Kodiha M, Bielawska A, Bielawski J, Pierce JS, Korbelik M, Separovic D. *J Photochem Photobiol B*. 2015. 143:163-168. PMID: 25635908.

"Quantitative analysis of the interplay between hsc70 and its co-chaperone HspBP1". Mahboubi H, Stochaj U. *PeerJ*. 2015. 3:e1530. PMID: 26713263.

"Off to the organelles – killing cancer cells with targeted gold nanoparticles". Kodiha M, Wang YM, Hutter E, Maysinger D, Stochaj U. *Theranostics*. 2015. 5(4):357-370. PMID: 25699096.

"Detecting changes in the mitochondrial membrane potential by quantitative fluorescence microscopy". Kodiha M, Pié B, Wang YM, Flamant E, Boppana NB, Young JC, Separovic D, Cooper E, Stochaj, U. *Nature Protocol Exchange*. 2015. doi:10.1038/protex.2015.009.

Vollrath, Melissa

"The zebrafish pinball wizard gene encodes WRB, a tail-anchored-protein receptor essential for inner-ear hair cells and retinal photoreceptors". Lin SY, Vollrath MA, Mangosing S, Shen J, Cardenas E, Corey, DP. *J Physiol*. Epub 2015 Dec 28. PMID: 26593130.

White, John

"Vitamin D and its receptor during late development". Goltzman D, Hendy GN, White JH. *Biochim Biophys Acta*. 2015. 1849(2):171-180. PMID: 24939836.

"JAK3 talks down to renal 25-hydroxyvitamin D 1 α -hydroxylase". White JH. *Kidney Int*. 2015.87(4):678-679. PMID: 25826541.

"Optimization of histone deacetylase inhibitor activity in non-secosteroidal vitamin D-receptor agonist hybrids". Kaldre D, Wang TT, Fischer J, White JH, Gleason JL. *Bioorg Med Chem*. 2015. 23(15):5035-5049. PMID:26048026.

"The hormone-bound vitamin D receptor enhances the FBW7-dependent turnover of NF- κ B subunits". Fekrmandi F, Wang TT, White JH. *Sci Rep*. 2015. 5:13002. PMID: 26269414.

"Engagement of the aryl hydrocarbon receptor signaling in *Mycobacterium tuberculosis*-infected macrophages has pleiotropic effects on innate immune signaling". Memari B, Bouttier M, Dimitrov V, Ouellette M, Behr MA, Fritz JH, White JH. *J Immunol*. 2015. 195(9):4479-4491. PMID: 26416282.

"Species-specific regulation of innate immunity by vitamin D signaling". Dimitrov V, White JH. *J Steroid Biochem Mol Biol*. 2015. doi:10.1016/j.jsbmb.2015.09.016. PMID: 26369615.