

Citations



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Exosomes

- Piao YJ, Kim HS, Moon WK. (2019). Noninvasive Photoacoustic Imaging of Dendritic Cell Stimulated with Tumor Cell-Derived Exosome. **Molecular Imaging and Biology** 5.
- Zhang Y, Jin X, Liang J, Guo Y, Sun G, Zeng X and Yin H. (2019). Extracellular vesicles derived from ODN-stimulated macrophages transfer and activate Cdc42 in recipient cells and thereby increase cellular permissiveness to EV uptake. **Science Advances** 24;5(7):eaav1564.
- Brook AC, Jenkins RH, Clayton A, Kift-Morgan A, Baby AC, Shephard AP, Mariotti B, Cuff SM, Bazzoni F, Bowen T, Fraser DJ, and Eberl M. (2019). Neutrophil-derived miR-223 as local biomarker of bacterial peritonitis. **Scientific Reports** 9(1):10136.
- Pietrowska M, Wlosowicz A, Gawin M, Widlak P. (2019). MS-Based Proteomic Analysis of Serum and Plasma: Problem of High Abundant Components and Lights and Shadows of Albumin Removal. **Advances in Experimental Medicine and Biology** 1073:57-76.
- Sundar IK, Li D, Rahman I. (2019). Proteomic Analysis of Plasma-Derived Extracellular Vesicles in Smokers and Patients with Chronic Obstructive Pulmonary Disease. **ACS Omega** 4,6,10649-10661.

- Cufaro MC, Pieragostino D, Lanuti P, Rossi C, Cicalini I, Federici L, De Laurenzi V, Del Boccio P. (2019). Extracellular Vesicles and Their Potential Use in Monitoring Cancer Progression and Therapy: The Contribution of Proteomics. **Journal of Oncology** 9;2019:1639854.
- Dong L, Zieren RC, Wang Y, de Reijke TM, Xue W, Pienta KJ. (2019). Recent advances in extracellular vesicle research for urological cancers: From technology to application. **Biochimica et Biophysica Acta (BBA)** 1871(2):342-360.
- Sheller-Miller S, Trivedi J, Yellon SM, Menon R. (2019). Exosomes Cause Preterm Birth in Mice: Evidence for Paracrine Signaling in Pregnancy. **Scientific Reports** 24;9(1):608.
- Wang L, Wang C, Jia X, Yu J. (2018). Circulating Exosomal miR-17 Inhibits the Induction of Regulatory T Cells via Suppressing TGFBR II Expression in Rheumatoid Arthritis. **Cellular Physiology and Biochemistry** 50(5):1754-1763.
- Campos A, Salomon C, Bustos R, Díaz J, Martínez S, Silva V, Reyes C, Díaz-Valdivia N, Varas-Godoy M, Lobos-González L, Quest AF. (2018). Caveolin-1-containing extracellular vesicles transport adhesion proteins and promote malignancy in breast cancer cell lines. **Nanomedicine** 13(20):2597-2609.
- Onódi Z, Pelyhe C, Terézia Nagy C, Brenner GB, Almási L, Kittel Á, Manček-Keber M, Ferdinandy P, Buzás EI, Giricz Z. (2018). Isolation of High-Purity Extracellular Vesicles by the Combination of Iodixanol Density Gradient Ultracentrifugation and Bind-Elute Chromatography From Blood Plasma. **Frontiers in Physiology** 23;9:1479.
- Shu SL, Yang Y, Allen CL, Maguire O, Minderman H, Sen A, Ciesielski MJ, Collins KA, Bush PJ, Singh P, Wang X, Morgan M, Qu J, Bankert RB, Whiteside TL, Wu Y, Ernstoff MS. (2018). Metabolic reprogramming of stromal fibroblasts by melanoma exosome microRNA favours a pre-metastatic microenvironment. **Scientific Reports** 27;8(1):12905.
- Connolly KD, Wadey RM, Mathew D, Johnson E, Rees DA, James PE. (2018). Evidence for Adipocyte-Derived Extracellular Vesicles in the Human Circulation. **Endocrinology** 1;159(9):3259-3267.
- Soares Martins T, Catita J, Martins Rosa I, A B da Cruz E Silva O, Henriques AG. (2018). Exosome isolation from distinct biofluids using precipitation and column-based approaches. **PLOS One** 11;13(6):e0198820.
- Buschmann D, Kirchner B, Hermann S, Märte M, Wurmser C, Brandes F, Kotschote S, Bonin M, Steinlein OK, Pfaffl MW, Schelling G, Reithmair M. (2018). Evaluation of serum extracellular vesicle isolation methods for profiling miRNAs by next-generation sequencing. **Journal of Extracellular Vesicles** 4;7(1):1481321.
- Kojima R, Bojar D, Rizzi G, Hamri GC, El-Baba MD, Saxena P, Ausländer S, Tan KR, Fussenegger M. (2018). Designer exosomes produced by implanted cells intracerebrally deliver therapeutic cargo for Parkinson's disease treatment. **Nature Communications** 3;9(1):1305.

- Welton JL, Loveless S, Stone T, von Ruhland C, Robertson NP, Clayton A. (2018). Cerebrospinal fluid extracellular vesicle enrichment for protein biomarker discovery in neurological disease; multiple sclerosis. **Journal of Extracellular Vesicles** 3;6(1):1369805.
- Li Z, Mbah NE, Maltese WA. (2018). Vacuole-inducing compounds that disrupt endolysosomal trafficking stimulate production of exosomes by glioblastoma cells. **Molecular and Cellular Biochemistry** 439(1-2):1-9.
- Piao YJ, Kim HS, Hwang EH, Woo J, Zhang M, Moon WK. (2017). Breast cancer cell-derived exosomes and macrophage polarization are associated with lymph node metastasis. **Oncotarget** 13;9(7):7398-7410.
- Vogel R, Pal AK, Jambhrunkar S, Patel P, Thakur SS, Reátegui E, Parekh HS, Saá P, Stassinopoulos A, Broom MF. (2017). High-Resolution Single Particle Zeta Potential Characterisation of Biological Nanoparticles using Tunable Resistive Pulse Sensing. **Scientific Reports** 12;7(1):17479.
- Kavanagh EL, Lindsay S, Halasz M, Gubbins LC, Weiner-Gorzel K, Guang MHZ, McGoldrick A, Collins E, Henry M, Blanco-Fernández A, O Gorman P, Fitzpatrick P, Higgins MJ, Dowling P, McCann A. (2017). Protein and chemotherapy profiling of extracellular vesicles harvested from therapeutic induced senescent triple negative breast cancer cells. **Oncogenesis** 9;6(10):e388.
- Wang T, Anderson KW, Turko IV. (2017). Assessment of Extracellular Vesicles Purity Using Proteomic Standards. **Analytical Chemistry** 17;89(20):11070-11075.
- Salimu J, Webber J, Gurney M, Al-Taei S, Clayton A, Tabi Z. (2017). Dominant immunosuppression of dendritic cell function by prostate-cancer-derived exosomes. **Journal of Extracellular Vesicles** 3;6(1):1368823.
- Kosanović M, Milutinović B, Goč S, Mitić N, Janković M. (2017). Ion-exchange chromatography purification of extracellular vesicles. **Biotechniques** 1;63(2):65-71.
- Vergauwen G, Dhondt B, Van Deun J, De Smedt E, Berx G, Timmerman E, Gevaert K, Miinalainen I, Cocquyt V, Braems G, Van den Broecke R, Denys H, De Wever O, Hendrix A. (2017). Confounding factors of ultrafiltration and protein analysis in extracellular vesicle research. **Scientific Reports** 2;7(1):2704.
- Torri A, Carpi D, Bulgheroni E, Crosti MC, Moro M, Gruarin P, Rossi RL, Rossetti G, Di Vizio D, Hoxha M, Bollati V, Gagliani C, Tacchetti C, Paroni M, Geginat J, Corti L, Venegoni L, Berti E, Pagani M, Matarese G, Abrignani S, de Candia P. (2017). Extracellular MicroRNA Signature of Human Helper T Cell Subsets in Health and Autoimmunity. **The Journal of Biological Chemistry** 17;292(7):2903-2915.
- Kamińska A, Platt M, Kasprzyk J, Kuśnierz-Cabala B, Gala-Błądzińska A, Woźnicka O, Jany BR, Krok F, Piekoszewski W, Kuźniewski M, Stępień EŁ. (2016). Urinary Extracellular Vesicles: Potential Biomarkers of Renal Function in Diabetic Patients. **Journal of Diabetes Research** 2016:5741518.

- Santangelo L, Giurato G, Cicchini C, Montaldo C, Mancone C, Tarallo R, Battistelli C, Alonzi T, Weisz A, Tripodi M. (2016). The RNA-Binding Protein SYNCRIP Is a Component of the Hepatocyte Exosomal Machinery Controlling MicroRNA Sorting. **Cell Reports** 11;17(3):799-808.
- Andreu Z, Rivas E, Sanguino-Pascual A, Lamana A, Marazuela M, González-Alvaro I, Sánchez-Madrid F, de la Fuente H, Yáñez-Mó M. (2016). Comparative analysis of EV isolation procedures for miRNAs detection in serum samples. **Journal of Extracellular Vesicles** 20;5:31655.
- Koo KM, Wee EJ, Trau M. (2016). Colorimetric TMPRSS2-ERG Gene Fusion Detection in Prostate Cancer Urinary Samples via Recombinase Polymerase Amplification. **Theranostics** 15;6(9):1415-24.
- Emanuelli C, Shearn AI, Laftah A, Fiorentino F, Reeves BC, Beltrami C, Mumford A, Clayton A, Gurney M, Shantikumar S, Angelini GD. (2016). Coronary Artery-Bypass-Graft Surgery Increases the Plasma Concentration of Exosomes Carrying a Cargo of Cardiac MicroRNAs: An Example of Exosome Trafficking Out of the Human Heart with Potential for Cardiac Biomarker Discovery. **PLoS One** 29;11(4):e0154274.
- Lawson C, Vicencio JM, Yellon DM, Davidson SM. (2016). Microvesicles and exosomes: new players in metabolic and cardiovascular disease. **Journal of Endocrinology** 228(2):R57-71.
- Yoon C, Kim J, Park G, Kim S, Kim D, Hur DY, Kim B, Kim YS. (2016). Delivery of miR-155 to retinal pigment epithelial cells mediated by Burkitt's lymphoma exosomes. **Tumor Biology** 37(1):313-21.
- de Menezes-Neto A, Sáez MJ, Lozano-Ramos I, Segui-Barber J, Martin-Jaular L, Ullate JM, Fernandez-Becerra C, Borrás FE, Del Portillo HA. (2015). Size-exclusion chromatography as a stand-alone methodology identifies novel markers in mass spectrometry analyses of plasma-derived vesicles from healthy individuals. **Journal of Extracellular Vesicles** 6;4:27378.
- Lobb RJ, Becker M, Wen SW, Wong CS, Wiegman AP, Leimgruber A, Möller A. (2015). Optimized exosome isolation protocol for cell culture supernatant and human plasma. **Journal of Extracellular Vesicles** 17;4:27031.
- Welton JL, Webber JP, Botos LA, Jones M, Clayton A. (2015). Ready-made chromatography columns for extracellular vesicle isolation from plasma. **Journal of Extracellular Vesicles** 26;4:27269.
- Lane RE, Korbie D, Anderson W, Vaidyanathan R, Trau M. (2015). Analysis of exosome purification methods using a model liposome system and tunable-resistive pulse sensing. **Scientific Reports** 6;5:7639.
- Barile L, Lionetti V, Cervio E, Matteucci M, Gherghiceanu M, Popescu LM, Torre T, Siclari F, Moccetti T, Vassalli G. (2014). Extracellular vesicles from human cardiac progenitor cells inhibit cardiomyocyte apoptosis and improve cardiac function after myocardial infarction. **Cardiovascular Research** 1;103(4):530-41.

Cell Culture Media

- Uzquiano A, Cifuentes-Diaz C, Jabali A, Romero DM, Houllier A, Dingli F, Maillard C, Boland A, Deleuze JF, Loew D, Mancini GMS, Bahi-Buisson N, Ladewig J, Francis F. (2019). Mutations in the Heterotopia Gene Eml1/EML1 Severely Disrupt the Formation of Primary Cilia. **Cell reports** 6;28(6):1596-1611.e10.
- Simon T. Schafer, Apua C. M. Paquola, Shani Stern, David Gosselin, Manching Ku, Monique Pena, Thomas J. M. Kuret, Marvin Liyanage, Abed AlFatah Mansour, Baptiste N. Jaeger, Maria C. Marchetto, Christopher K. Glass, Jerome Mertens, Fred H. Gage. (2019). Pathological priming causes developmental gene network heterochronicity in autistic subject-derived neurons. **Nature Neuroscience** 22(2):243-255.
- Flores BN, Li X, Malik AM, Martinez J, Beg AA, Barmada SJ. (2019). An Intramolecular Salt Bridge Linking TDP43 RNA Binding, Protein Stability, and TDP43-Dependent Neurodegeneration. **Cell Reports** 23;27(4):1133-1150.e8.
- Bouyanfif A, Liyanage S, Hequet E, Moustaid-Moussa N, Abidi N. (2019). MicroRNA-deficient mouse embryonic stem cells acquire a functional interferon response. **eLife** 23;8. pii: e44171.
- Congdon EE, Chukwu JE, Shamir DB, Deng J, Ujla D, Sait HBR, Neubert TA, Kong XP, Sigurdsson EM. (2019). Tau antibody chimerization alters its charge and binding, thereby reducing its cellular uptake and efficacy. **EBioMedicine** 42:157-173.
- Herbemont C, Maurin P, Cedrin-Durnerin I, Grynberg M, Sifer C. (2018). What stage of in vitro embryo development is affected by oxygen tension? a randomized clinical trial (RCT). **Fertility and Sterility** 10.
- Harrison SE, Sozen B, Zernicka-Goetz M. (2018). In vitro generation of mouse polarized embryo-like structures from embryonic and trophoblast stem cells. **Nature Protocols** 13(7):1586-1602.
- Shamir DB, Deng Y, Sigurdsson EM. (2018). Live Imaging of Pathological Tau Protein and Tau Antibodies in a Neuron-Like Cellular Model. **Methods in Molecular Biology** 1779:371-379.
- Faedo A, Laporta A, Segnali A, Galimberti M, Besusso D, Cesana E, Belloli S, Moresco RM, Tropiano M, Fucà E, Wild S, Bosio A, Vercelli AE, Biella G, Cattaneo E. (2017). Differentiation of human telencephalic progenitor cells into MSNs by inducible expression of Gsx2 and Ebf1. **PNAS** 14;114(7):E1234-E1242.
- Stockley JH, Evans K, Matthey M, Volbracht K, Agathou S, Mukanowa J, Burrone J, Káradóttir RT. (2017). Surpassing light-induced cell damage in vitro with novel cell culture media. **Scientific Reports** 12;7(1):849.
- Iefremova V, Manikakis G, Krefft O, Jabali A, Weynans K, Wilkens R, Marsoner F, Brändl B, Müller FJ, Koch P, Ladewig J. (2017). An Organoid-Based Model of Cortical Development Identifies Non-Cell-Autonomous Defects in Wnt Signaling Contributing to Miller-Dieker Syndrome. **Cell Reports** 4;19(1):50-59.

- Harrison SE, Sozen B, Christodoulou N, Kyprianou C, Zernicka-Goetz M. (2017). Assembly of embryonic and extraembryonic stem cells to mimic embryogenesis in vitro. **Science** 14;356(6334).
- Ricci D, Nava MM, Zandrini T, Cerullo G, Raimondi MT, Osellame R. (2017). Scaling-Up Techniques for the Nanofabrication of Cell Culture Substrates via Two-Photon Polymerization for Industrial-Scale Expansion of Stem Cells. **Materials** 13;10(1).
- Nii T, Kohara H, Marumoto T, Sakuma T, Yamamoto T, Tani K. (2016). Single-Cell-State Culture of Human Pluripotent Stem Cells Increases Transfection Efficiency. **BioResearch Open Access** 1;5(1):127-36.
- Niewidok B, Igaev M, Sündermann F, Janning D, Bakota L, Brandt R. (2016). Presence of a carboxy-terminal pseudorepeat and disease-like pseudohyperphosphorylation critically influence tau's interaction with microtubules in axon-like processes. **Molecular Biology of the Cell** 7;27(22):3537-3549.
- Deglincerti A, Croft GF, Pietila LN, Zernicka-Goetz M, Siggia ED, Brivanlou AH. (2016). Self-organization of the in vitro attached human embryo. **Nature** 12;533(7602):251-4.
- Dov B. Shamir, Nina Rosenqvist, Suhail Rasool, Jan T. Pedersen, Einar M. Sigurdsson. (2016). Internalization of tau antibody and pathological tau protein detected with a flow cytometry multiplexing approach. **Alzheimer's & Dementia** 12(10):1098-1107.
- Nagano T, Várnai C, Schoenfelder S, Javierre BM, Wingett SW, Fraser P. (2015). Comparison of Hi-C results using in-solution versus in-nucleus ligation. **Genome Biology** 26;16:175.
- Mertens J, Paquola ACM, Ku M, Hatch E, Böhnke L, Ladjevardi S, McGrath S, Campbell B, Lee H, Herdy JR, Gonçalves JT, Toda T, Kim Y, Winkler J, Yao J, Hetzer MW, Gage FH. (2015). Directly Reprogrammed Human Neurons Retain Aging-Associated Transcriptomic Signatures and Reveal Age-Related Nucleocytoplasmic Defects. **Cell Stem Cell** 3;17(6):705-718.
- Ladewig J, Koch P, Brüstle O. (2014). Auto-attraction of neural precursors and their neuronal progeny impairs neuronal migration. **Nature Neuroscience** 17(1):24-6.
- Delli Carri A, Onorati M, Castiglioni V, Faedo A, Camnasio S, Toselli M, Biella G, Cattaneo E. (2013). Human pluripotent stem cell differentiation into authentic striatal projection neurons. **Stem Cell Reviews and Reports** 9(4):461-74.

Growth Factors

- Soh JE, Abu N, Sagap I, Mazlan L, Yahaya A, Mustangin M, Khoo TS, Saidin S, Ishak M, Ab Mutalib NS, Jamal R. (2019). Validation of immunogenic PASD1 peptides against HLA-A*24:02 colorectal cancer. **Immunotherapy** 11(14):1205-1219.

- Bordignon P, Bottoni G, Xu X, Popescu AS, Truan Z, Guenova E, Kofler L, Jafari P, Ostano P, Röcken M, Neel V, Dotto GP. (2019). Dualism of FGF and TGF- β Signaling in Heterogeneous Cancer-Associated Fibroblast Activation with ETV1 as a Critical Determinant. **Cell Reports** 27;28(9):2358-2372.e6.
- Miguel L, Rovelet-Lecrux A, Feyeux M, Frebourg T, Nassoy P, Champion D, Lecourtois M. (2019). Detection of all adult Tau isoforms in a 3D culture model of iPSC-derived neurons. **Stem Cell Research** 23;40:101541.
- Puchert M, Obst J, Koch C, Zieger K, Engele J. (2019). CXCL11 promotes tumor progression by the biased use of the chemokine receptors CXCR3 and CXCR7. **Cytokine** 19;125:154809.
- Chen JY, Lai YS, Chu PY, Chan SH, Wang LH, Hung WC. (2019). Cancer-Derived VEGF-C Increases Chemokine Production in Lymphatic Endothelial Cells to Promote CXCR2-Dependent Cancer Invasion and MDSC Recruitment. **Cancers** 6;11(8).
- Huang HT, Tsai SF, Wu HT, Huang HY, Hsieh HH, Kuo YM, Chen PS, Yang CS, Tzeng SF. (2019). Chronic exposure to high fat diet triggers myelin disruption and interleukin-33 upregulation in hypothalamus. **BMC Neuroscience** 10;20(1):33.
- Dileep V, Wilson KA, Marchal C, Lyu X, Zhao PA, Li B, Poulet A, Bartlett DA, Rivera-Mulia JC, Qin ZS, Robins AJ, Schulz TC, Kulik MJ, McCord RP, Dekker J, Dalton S, Corces VG, Gilbert DM. (2019). Rapid Irreversible Transcriptional Reprogramming in Human Stem Cells Accompanied by Discordance between Replication Timing and Chromatin Compartment. **Stem Cell Reports** 9;13(1):193-206.
- Wang CY, Deneen B, Tzeng SF. (2019). BRCA1/BRCA2-containing complex subunit 3 controls oligodendrocyte differentiation by dynamically regulating lysine 63-linked ubiquitination. **Glia** 67(9):1775-1792.
- Zhang X, McGrath PS, Salomone J, Rahal M, McCauley HA, Schweitzer J, Kovall R, Gebelein B, Wells JM. (2019). A Comprehensive Structure-Function Study of Neurogenin3 Disease-Causing Alleles during Human Pancreas and Intestinal Organoid Development. **Developmental Cell** 5;50(3):367-380.e7.
- Sung HY, Chen WY, Huang HT, Wang CY, Chang SB, Tzeng SF. (2019). Down-regulation of interleukin-33 expression in oligodendrocyte precursor cells impairs oligodendrocyte lineage progression. **Journal of Neurochemistry** 5.
- Jia Y, Wang C, Sun H, Ni Z. (2019). Microfluidic Approaches Toward the Isolation and Detection of Exosome Nanovesicles. **IEEE Xplore** 45080 – 45098.
- Shieh JM, Tseng HY, Jung F, Yang SH, Lin JC. (2019). Elevation of IL-6 and IL-33 Levels in Serum Associated with Lung Fibrosis and Skeletal Muscle Wasting in a Bleomycin-Induced Lung Injury Mouse Model. **Mediators of Inflammation** 27;2019:7947596.
- Kavanagh ME, Conroy MJ, Clarke NE, Gilmartin NT, Feighery R, MacCarthy F, O'Toole D, Ravi N, Reynolds JV, O' Sullivan J, Lysaght J. (2019). Altered T Cell Migratory Capacity in the Progression from Barrett Oesophagus to Oesophageal Adenocarcinoma. **Cancer Microenvironment** 12(1):57-66.

- Goncalves MB, Wu Y, Clarke E, Grist J, Hobbs C, Trigo D, Jack J, Corcoran JPT. (2019). Regulation of Myelination by Exosome Associated Retinoic Acid Release from NG2-Positive Cells. **The Journal of Neuroscience** 17;39(16):3013-3027.
- Manzano-Núñez F, Arámbul-Anthony MJ, Galán Albiñana A, Leal Tassias A, Acosta Umazor C, Borreda Gascó I, Herrera A, Forteza Vila J, Burks DJ, Noon LA. (2019). Insulin resistance disrupts epithelial repair and niche-progenitor Fgf signaling during chronic liver injury. **PLOS Biology** 29;17(1):e2006972.
- Ho CH, Chen SH, Tsai HW, Wu IC, Chang TT. (2019). Fully galactosyl-fucosyl-bisected IgG1 reduces anti-HBV efficacy and liver histological improvement. **Antiviral Research** 163:1-10.
- Frederiksen HR, Holst B, Ramakrishna S, Muddashetty R, Schmid B, Freude K. (2018). Generation of two iPSC lines with either a heterozygous V717I or a heterozygous KM670/671NL mutation in the APP gene. **Stem Cell Research** 34:101368.
- Zhou F, Ju J, Fang Y, Fan X, Yan S, Wang Q, Wei P, Duan F, Miao F, Hu Z, Wang M. (2018). Salidroside protected against MPP+ -induced Parkinson's disease in PC12 cells by inhibiting inflammation, oxidative stress and cell apoptosis. **Biotechnology and Applied Biochemistry** 66(2):247-253.
- Broda TR, McCracken KW, Wells JM. (2018). Generation of human antral and fundic gastric organoids from pluripotent stem cells. **Nature Protocols** 14(1):28-50.
- Schmid B, Prehn KR, Nimsanor N, Garcia BIA, Poulsen U, Jørring I, Rasmussen MA, Clausen C, Mau-Holzmann UA, Ramakrishna S, Muddashetty R, Steeg R, Bruce K, Mackintosh P, Ebnet A, Holst B, Cabrera-Socorro A. (2018). Generation of a set of isogenic, gene-edited iPSC lines homozygous for all main APOE variants and an APOE knock-out line. **Stem Cell Research** 34:101349.
- Chang TT, Tsai HW, Ho CH. (2018). Fucosyl-Agalactosyl IgG₁ Induces Cholangiocarcinoma Metastasis and Early Recurrence by Activating Tumor-Associated Macrophage. **Cancers** 21;10(11).
- Murata H, Khine CC, Nishikawa A, Yamamoto KI, Kinoshita R, Sakaguchi M. (2018). c-Jun N-terminal kinase (JNK)-mediated phosphorylation of SARM1 regulates NAD⁺ cleavage activity to inhibit mitochondrial respiration. **Journal of Biological Chemistry** 7;293(49):18933-18943.
- Suga M, Kii H, Ueda N, Liu YJ, Nakano T, Dan T, Uozumi T, Kiyota Y, Furue MK. (2018). A morphology-based assay platform for neuroepithelial-like cells differentiated from human pluripotent stem cells. **The International Journal of Developmental Biology** 62(9-10):613-621.
- Knight C, James S, Kuntin D, Fox J, Newling K, Hollings S, Pennock R, Genever P. (2018). Epidermal growth factor can signal via β -catenin to control proliferation of mesenchymal stem cells independently of canonical Wnt signalling. **Cellular Signalling** 53:256-268.

- Virga DM, Capps J, Vohra BPS. (2018). Enteric Neurodegeneration is Mediated Through Independent Neuritic and Somal Mechanisms in Rotenone and MPP+ Toxicity. **Neurochemical Research** 43(12):2288-2303.
- Xiang X, Piers TM, Wefers B, Zhu K, Mallach A, Brunner B, Kleinberger G, Song W, Colonna M, Herms J, Wurst W, Pocock JM, Haass C. (2018). The Trem2 R47H Alzheimer's risk variant impairs splicing and reduces Trem2 mRNA and protein in mice but not in humans. **Molecular Neurodegeneration** 6;13(1):49.
- Smith S, Wu PW, Seo JJ, Fernando T, Jin M, Contreras J, Montano EN, Gabhann JN, Cunningham K, Widaa A, McCarthy EM, Molloy ES, Kearns G, Murphy CC, Kong W, Björkbacka H, Kornfeld H, Forbess L, Venuturupalli S, Ishimori M, Wallace D, Weisman MH, Jefferies CA. (2018). IL-16/miR-125a axis controls neutrophil recruitment in pristane-induced lung inflammation. **JCI Insight** 9;3(15).
- Benkahla MA, Elmastour F, Sane F, Vreulx AC, Engelmann I, Desaillood R, Jaidane H, Alidjinou EK, Hober D. (2018). Coxsackievirus-B4E2 can infect monocytes and macrophages in vitro and in vivo. **Virology** 522:271-280.
- Brownjohn PW, Smith J, Solanki R, Lohmann E, Houlden H, Hardy J, Dietmann S, Livesey FJ. (2018). Functional Studies of Missense TREM2 Mutations in Human Stem Cell-Derived Microglia. **Stem Cell Reports** 10;10(4):1294-1307.
- Arce Vargas F, Furness AJS, Litchfield K, Joshi K, Rosenthal R, Ghorani E, Solomon I, Lesko MH, Ruef N, Roddie C, Henry JY, Spain L, Ben Aissa A, Georgiou A, Wong YNS, Smith M, Strauss D, Hayes A, Nicol D, O'Brien T, Mårtensson L, Ljungars A, Teige I, Freundéus B; TRACERx Melanoma; TRACERx Renal; TRACERx Lung consortia, Pule M, Marafioti T, Gore M, Larkin J, Turajlic S, Swanton C, Peggs KS, Quezada SA. (2018). Fc Effector Function Contributes to the Activity of Human Anti-CTLA-4 Antibodies. **Cancer Cell** 9;33(4):649-663.
- Yui S, Azzolin L, Maimets M, Pedersen MT, Fordham RP, Hansen SL, Larsen HL, Guiu J, Alves MRP, Rundsten CF, Johansen JV, Li Y, Madsen CD, Nakamura T, Watanabe M, Nielsen OH, Schweiger PJ, Piccolo S, Jensen KB. (2018). YAP/TAZ-Dependent Reprogramming of Colonic Epithelium Links ECM Remodeling to Tissue Regeneration. **Cell Stem Cell** 4;22(1):35-49.
- Chen G, Liu Y, Goetz R, Fu L, Jayaraman S, Hu MC, Moe OW, Liang G, Li X, Mohammadi M. (2018). α -Klotho is a non-enzymatic molecular scaffold for FGF23 hormone signalling. **Nature** 25;553(7689):461-466.
- Goncalves MB, Wu Y, Trigo D, Clarke E, Malmqvist T, Grist J, Hobbs C, Carlstedt TP, Corcoran JPT. (2018). Retinoic acid synthesis by NG2 expressing cells promotes a permissive environment for axonal outgrowth. **Neurobiology of Disease** 111:70-79.
- Raab S, Klingenstein M, Möller A, Illing A, Tosic J, Breunig M, Kualess G, Linta L, Seufferlein T, Arnold SJ, Kleger A, Liebau S. (2017). Reprogramming to pluripotency does not require transition through a primitive streak-like state. **Scientific Reports** 29;7(1):16543.

- Sassi Y, Avramopoulos P, Ramanujam D, Grüter L, Werfel S, Giosele S, Brunner AD, Esfandyari D, Papadopoulou AS, De Strooper B, Hübner N, Kumarswamy R, Thum T, Yin X, Mayr M, Laggerbauer B, Engelhardt S. (2017). Cardiac myocyte miR-29 promotes pathological remodeling of the heart by activating Wnt signaling. **Nature Communications** 20;8(1):1614.
- Sauer AK, Pfaender S, Hagemeyer S, Tarana L, Mattes AK, Briel F, Küry S, Boeckers TM, Grabrucker AM. (2017). Characterization of zinc amino acid complexes for zinc delivery in vitro using Caco-2 cells and enterocytes from hiPSC. **BioMetals** 30(5):643-661.
- Lai HY, Hsu LW, Tsai HH, Lo YC, Yang SH, Liu PY, Wang JM. (2017). CCAAT/enhancer-binding protein delta promotes intracellular lipid accumulation in M1 macrophages of vascular lesions. **Cardiovascular Research** 1;113(11):1376-1388.
- Siegel G, Gerber H, Koch P, Bruestle O, Fraering PC, Rajendran L. (2017). The Alzheimer's Disease γ -Secretase Generates Higher 42:40 Ratios for β -Amyloid Than for p3 Peptides. **Cell Reports** 6;19(10):1967-1976.
- Múnera JO, Sundaram N, Rankin SA, Hill D, Watson C, Mahe M, Vallance JE, Shroyer NF, Sinagoga KL, Zarzoso-Lacoste A, Hudson JR, Howell JC, Chatuvedi P, Spence JR, Shannon JM, Zorn AM, Helmrath MA, Wells JM. (2017). Differentiation of Human Pluripotent Stem Cells into Colonic Organoids via Transient Activation of BMP Signaling. **Cell Stem Cell** 6;21(1):51-64.e6.
- Nakashima KI, Ogiwara T, Hirai T, Tanaka T, Murata H, Kaburagi K, Fujii-Kuriyama Y, Hayashi H, Inoue M. (2017). Gerontoxanthone B from *Maclura cochinchinensis* var. *gerontogea* exhibits anti-inflammatory potential as an aryl hydrocarbon receptor agonist. **Bioorganic & Medicinal Chemistry** 15;25(16):4253-4258.
- Warren CR, O'Sullivan JF, Friesen M, Becker CE, Zhang X, Liu P, Wakabayashi Y, Morningstar JE, Shi X, Choi J, Xia F, Peters DT, Florido MHC, Tsankov AM, Duberow E, Comisar L, Shay J, Jiang X, Meissner A, Musunuru K, Kathiresan S, Daheron L, Zhu J, Gerszten RE, Deo RC, Vasan RS, O'Donnell CJ, Cowan CA. (2017). Induced Pluripotent Stem Cell Differentiation Enables Functional Validation of GWAS Variants in Metabolic Disease. **Cell Stem Cell** 6;20(4):547-557.e7.
- Aldana BI, Zhang Y, Lihme MF, Bak LK, Nielsen JE, Holst B, Hyttel P, Freude KK, Waagepetersen HS. (2017). Characterization of energy and neurotransmitter metabolism in cortical glutamatergic neurons derived from human induced pluripotent stem cells: A novel approach to study metabolism in human neurons. **Neurochemistry International** 106:48-61.
- Daumas S, Hunter CJ, Mistry RB, Morè L, Privitera L, Cooper DD, Reyskens KM, Flynn HT, Morris RG, Arthur JS, Frenguelli BG. (2017). The Kinase Function of MSK1 Regulates BDNF Signaling to CREB and Basal Synaptic Transmission, But Is Not Required for Hippocampal Long-Term Potentiation or Spatial Memory. **eNeuro** 20;4(1).

- Thomas L, Rao Z, Gerstmeier J, Raasch M, Weinigel C, Rummler S, Menche D, Müller R, Pergola C, Mosig A, Werz O. (2017). Selective upregulation of TNF α expression in classically-activated human monocyte-derived macrophages (M1) through pharmacological interference with V-ATPase. **Biochemical Pharmacology** 15;130:71-82.
- Arora N, Imran Alsous J, Guggenheim JW, Mak M, Munera J, Wells JM, Kamm RD, Asada HH, Shvartsman SY, Griffith LG. (2017). A process engineering approach to increase organoid yield. **Development** 15;144(6):1128-1136.
- McCracken KW, Aihara E, Martin B, Crawford CM, Broda T, Treguier J, Zhang X, Shannon JM, Montrose MH, Wells JM. (2017). Wnt/ β -catenin promotes gastric fundus specification in mice and humans. **Nature** 12;541(7636):182-187.
- Chen YD, Fang YT, Chang CP, Lin CF, Hsu LJ, Wu SR, Chiu YC, Anderson R, Lin YS. (2017). S100A10 Regulates ULK1 Localization to ER-Mitochondria Contact Sites in IFN- γ -Triggered Autophagy. **Journal of Molecular Biology** 6;429(1):142-157.
- Sohn HM, Ko Y, Park M, Kim B, Park JE, Kim D, Moon YL, Lim W. (2017). Comparison of the alendronate and irradiation with a light-emitting diode (LED) on murine osteoclastogenesis. **Lasers in Medical Science** 32(1):189-200.
- Feigelman J, Ganscha S, Hastreiter S, Schwarzfischer M, Filipczyk A, Schroeder T, Theis FJ, Marr C, Claassen M. (2016). Analysis of Cell Lineage Trees by Exact Bayesian Inference Identifies Negative Autoregulation of Nanog in Mouse Embryonic Stem Cells. **Cell Systems** 23;3(5):480-490.e13.
- Si-Tayeb K, Idriss S, Champon B, Caillaud A, Pichelin M, Arnaud L, Lemarchand P, Le May C, Zibara K, Cariou B. (2016). Urine-sample-derived human induced pluripotent stem cells as a model to study PCSK9-mediated autosomal dominant hypercholesterolemia. **Disease Models & Mechanisms** 9(1):81-90.
- Rankin SA, Han L, McCracken KW, Kenny AP, Anglin CT, Grigg EA, Crawford CM, Wells JM, Shannon JM, Zorn AM. (2016). A Retinoic Acid-Hedgehog Cascade Coordinates Mesoderm-Inducing Signals and Endoderm Competence during Lung Specification. **Cell Reports** 16(1):66-78.
- Farmaki E, Chatzistamou I, Kaza V, Kiaris H. (2016). A CCL8 gradient drives breast cancer cell dissemination. **Oncogene** 8;35(49):6309-6318.
- Ben Halima S, Mishra S, Raja KMP, Willem M, Baici A, Simons K, Brüstle O, Koch P, Haass C, Cafilisch A, Rajendran L. (2016). Specific Inhibition of β -Secretase Processing of the Alzheimer Disease Amyloid Precursor Protein. **Cell Reports** 8;14(9):2127-2141.
- St-Pierre S, Jiang W, Roy P, Champigny C, LeBlanc É, Morley BJ, Hao J, Simard AR. (2016). Nicotinic Acetylcholine Receptors Modulate Bone Marrow-Derived Pro-Inflammatory Monocyte Production and Survival. **PLoS One** 29;11(2):e0150230.
- Jiang W, St-Pierre S, Roy P, Morley BJ, Hao J, Simard AR. (2016). Infiltration of CCR2+Ly6Chigh Proinflammatory Monocytes and Neutrophils into the Central Nervous System Is Modulated by Nicotinic Acetylcholine Receptors in a Model of Multiple Sclerosis. **The Journal of Immunology** 1;196(5):2095-108.

- Walpurgis K, Thomas A, Schänzer W, Thevis M. (2016). Myostatin inhibitors in sports drug testing: Detection of myostatin-neutralizing antibodies in plasma/serum by affinity purification and Western blotting. **Proteomics Clinical Applications** 10(2):195-205.
- Russell R, Ilg M, Lin Q, Wu G, Lechel A, Bergmann W, Eiseler T, Linta L, Kumar P P, Klingenstein M, Adachi K, Hohwieler M, Sakk O, Raab S, Moon A, Zenke M, Seufferlein T, Schöler HR, Illing A, Liebau S, Kleger A. (2015). A Dynamic Role of TBX3 in the Pluripotency Circuitry. **Stem Cell Reports** 8;5(6):1155-1170.
- Sohn H, Ko Y, Park M, Kim D, Moon YL, Jeong YJ, Lee H, Moon Y, Jeong BC, Kim O, Lim W. (2015). Effects of light-emitting diode irradiation on RANKL-induced osteoclastogenesis. **Lasers in Surgery and Medicine** 47(9):745-55.
- McGrath PS, Watson CL, Ingram C, Helmrath MA, Wells JM. (2015). The Basic Helix-Loop-Helix Transcription Factor NEUROG3 Is Required for Development of the Human Endocrine Pancreas. **Diabetes** 64(7):2497-505.
- Varinelli L, Caccia D, Volpi CC, Caccia C, De Bortoli M, Taverna E, Gualeni AV, Leoni V, Gloghini A, Manenti G, Bongarzone I. (2015). 4-IPP, a selective MIF inhibitor, causes mitotic catastrophe in thyroid carcinomas. **Endocrine-Related Cancer** 22(5):759-75.
- Rada P, Rojo AI, Offergeld A, Feng GJ, Velasco-Martín JP, González-Sancho JM, Valverde ÁM, Dale T, Regadera J, Cuadrado A. (2015). WNT-3A regulates an Axin1/NRF2 complex that regulates antioxidant metabolism in hepatocytes. **Antioxidants & Redox Signaling** 1;22(7):555-71.
- McCracken KW, Catá EM, Crawford CM, Sinagoga KL, Schumacher M, Rockich BE, Tsai YH, Mayhew CN, Spence JR, Zavros Y, Wells JM. (2014). Modelling human development and disease in pluripotent stem-cell-derived gastric organoids. **Nature** 18;516(7531):400-4.
- Al-Safadi S, Al-Safadi A, Branchaud M, Rutherford S, Dayanandan A, Robinson B, Amir S. (2014). Stress-induced changes in the expression of the clock protein PERIOD1 in the rat limbic forebrain and hypothalamus: role of stress type, time of day, and predictability. **PLoS One** 22;9(10):e111166.
- El Chemaly A, Nunes P, Jimaja W, Castelbou C, Demaurex N. (2014). Hv1 proton channels differentially regulate the pH of neutrophil and macrophage phagosomes by sustaining the production of phagosomal ROS that inhibit the delivery of vacuolar ATPases. **Journal of Leukocyte Biology** 95(5):827-839.
- Wouters E, Hudson CA, McArdle CA, Bernal AL. (2014). Central role for protein kinase C in oxytocin and epidermal growth factor stimulated cyclooxygenase 2 expression in human myometrial cells. **BMC Research Notes** 10;7:357.
- Nguyen MT, Koo BK, Thi Vu TT, Song JA, Chong SH, Jeong B, Ryu HB, Moh SH, Choe H. (2014). Prokaryotic soluble overexpression and purification of bioactive human growth hormone by fusion to thioredoxin, maltose binding protein, and protein disulfide isomerase. **PLoS One** 10;9(3):e89038.

- Maeß MB, Wittig B, Cignarella A, Lorkowski S. (2014). Reduced PMA enhances the responsiveness of transfected THP-1 macrophages to polarizing stimuli. **Journal of Immunological Methods** 15;402(1-2):76-81.
- Genz B, Thomas M, Pützer BM, Siatkowski M, Fuellen G, Vollmar B, Abshagen K. (2014). Adenoviral overexpression of Lhx2 attenuates cell viability but does not preserve the stem cell like phenotype of hepatic stellate cells. **Experimental Cell Research** 1;328(2):429-43.

Small Molecules

- Lavogina D, Samuel K, Lavrits A, Meltsov A, Söritsa D, Kadastik Ü, Peters M, Rinken A, Salumets A. (2019). Chemosensitivity and chemoresistance in endometriosis - differences for ectopic versus eutopic cells. **Reproductive BioMedicine Online** pii: S1472-6483(19)30583-8.
- Kalkan T, Bornelöv S, Mulas C, Diamanti E, Lohoff T, Ralser M, Middelkamp S, Lombard P, Nichols J, Smith A. (2019). Complementary Activity of ETV5, RBPJ, and TCF3 Drives Formative Transition from Naive Pluripotency. **Cell Stem Cell** 2;24(5):785-801.e7.
- Witteveldt J, Knol LI, Macias S. (2019). MicroRNA-deficient mouse embryonic stem cells acquire a functional interferon response. **eLife** 23;8. pii: e44171.
- Bianchi F, Malboubi M, Li Y, George JH, Jerusalem A, Szele F, Thompson MS, Ye H. (2018). Rapid and efficient differentiation of functional motor neurons from human iPSC for neural injury modelling. **Stem Cell Research** 32:126-134.
- Hume RD, Pensa S, Brown EJ, Kreuzaler PA, Hitchcock J, Husmann A, Campbell JJ, Lloyd-Thomas AO, Cameron RE, Watson CJ. (2018). Tumor cell invasiveness and response to chemotherapeutics in adipocyte invested 3D engineered anisotropic collagen scaffolds. **Scientific Reports** 23;8(1):12658.
- Thillaiappan NB, Chavda AP, Tovey SC, Prole DL, Taylor CW. (2017). Ca²⁺ signals initiate at immobile IP₃ receptors adjacent to ER-plasma membrane junctions. **Nature Communications** 15;8(1):1505.
- Merenda A, Andersson-Rolf A, Mustata RC, Li T, Kim H, Koo BK. (2017). A Protocol for Multiple Gene Knockout in Mouse Small Intestinal Organoids Using a CRISPR-concatemer **JoVE** 12;(125).
- Iefremova V, Manikakis G, Krefft O, Jabali A, Weynans K, Wilkens R, Marsoner F, Brändl B, Müller FJ, Koch P, Ladewig J. (2017). An Organoid-Based Model of Cortical Development Identifies Non-Cell-Autonomous Defects in Wnt Signaling Contributing to Miller-Dieker Syndrome. **Cell Reports** 4;19(1):50-59.
- Collinson A, Collier AJ, Morgan NP, Sienerth AR, Chandra T, Andrews S, Rugg-Gunn PJ. (2016). Deletion of the Polycomb-Group Protein EZH2 Leads to Compromised Self-Renewal and Differentiation Defects in Human Embryonic Stem Cells. **Cell Reports** 6;17(10):2700-2714.

Matrix Proteins

- Sorkio A, Koch L, Koivusalo L, Deiwick A, Miettinen S, Chichkov B, Skottman H. (2018). Human stem cell based corneal tissue mimicking structures using laser-assisted 3D bioprinting and functional bioinks. **Biomaterials** 171:57-71.
- Navarro-Requena C, Weaver JD, Clark AY, Clift DA, Pérez-Amodio S, Castaño Ó, Zhou DW, García AJ, Engel E. (2018). PEG hydrogel containing calcium-releasing particles and mesenchymal stromal cells promote vessel maturation. **Acta Biomaterialia** 67:53-65.
- Abfalter CM, Schönauer E, Ponnuraj K, Huemer M, Gadermaier G, Regl C, Briza P, Ferreira F, Huber CG, Brandstetter H, Posselt G, Wessler S. (2016). Cloning, Purification and Characterization of the Collagenase ColA Expressed by *Bacillus cereus* ATCC 14579. **PLoS One** 2;11(9):e0162433.

Cell Counting Reagent

- Benkahla MA, Alidjinou EK, Sane F, Desailoud R, Hober D. (2018). Fluoxetine can inhibit coxsackievirus-B4 E2 in vitro and in vivo. **Antiviral Research** 159:130-133.
- Lutter AH, Scholka J, Richter H, Anderer U. (2017). Applying XTT, WST-1, and WST-8 to human chondrocytes: A comparison of membrane-impermeable tetrazolium salts in 2D and 3D cultures. **Clinical Hemorheology and Microcirculation** 67(3-4):327-342.

Cytogenetics Services

- Mihajlovic M, Hariri S, Westphal KCG, Janssen MJ, Oost MJ, Bongiovanni L, van den Heuvel LP, de Bruin A, Hilbrands LB, Masereeuw R. (2019). Safety evaluation of conditionally immortalized cells for renal replacement therapy. **Oncotarget** 3;10(51):5332-5348.
- Santiago-Toledo G, Georgiou M, Dos Reis J, Robertson VH, Valinhas A, Wood RC, Phillips JB, Mason C, Li D, Li Y, Sinden JD, Choi D, Jat PS, Wall IB. (2019). Generation of c-MycERTAM-transduced human late-adherent olfactory mucosa cells for potential regenerative applications. **Scientific Reports** 13;9(1):13190.
- Burkard M, Bengtson Nash S, Gambaro G, Whitworth D, Schirmer K. (2019). Lifetime extension of humpback whale skin fibroblasts and their response to lipopolysaccharide (LPS) and a mixture of polychlorinated biphenyls (Aroclor). **Cell Biology and Toxicology** 10.
- Schöndorf DC, Elschami M, Schieck M, Ercan-Herbst E, Weber C, Riesinger Y, Kalman S, Steinemann D, Ehrnhoefer DE. (2018). Generation of an induced pluripotent stem cell cohort suitable to investigate sporadic Alzheimer's Disease. **Stem Cell Research** 34:101351.

- Thillaiappan NB, Chavda AP, Tovey SC, Prole DL, Taylor CW. (2017). Ca²⁺ signals initiate at immobile IP₃ receptors adjacent to ER-plasma membrane junctions. **Nature Communications** 15;8(1):1505.
- Joshi PS, Modur V, Cheng J, Robinson K, Rao K. (2017). Characterization of immortalized human mammary epithelial cell line HMEC 2.6. **Tumor Biology** 39(10):1010428317724283.
- Tidball AM, Dang LT, Glenn TW, Kilbane EG, Klarr DJ, Margolis JL, Uhler MD, Parent JM. (2017). Rapid Generation of Human Genetic Loss-of-Function iPSC Lines by Simultaneous Reprogramming and Gene Editing. **Stem Cell Reports** 12;9(3):725-731.
- Ludtmann MHR, Arber C, Bartolome F, de Vicente M, Preza E, Carro E, Houlden H, Gandhi S, Wray S, Abramov AY. (2017). Mutations in valosin-containing protein (VCP) decrease ADP/ATP translocation across the mitochondrial membrane and impair energy metabolism in human neurons. **The Journal of Biological Chemistry** 26;292(21):8907-8917.
- Espuny-Camacho I, Arranz AM, Fiers M, Snellinx A, Ando K, Munck S, Bonnefont J, Lambot L, Corthout N, Omodho L, Vanden Eynden E, Radaelli E, Teseur I, Wray S, Ebneith A, Hardy J, Leroy K, Brion JP, Vanderhaeghen P, De Strooper B. (2017). Hallmarks of Alzheimer's Disease in Stem-Cell-Derived Human Neurons Transplanted into Mouse Brain. **Neuron** 8;93(5):1066-1081.e8.
- Secher JO, Ceylan A, Mazzoni G, Mashayekhi K6, Li T, Muenthaisong S, Nielsen TT, Li D, Li S, Petkov S, Cirera S, Luo Y, Thombs L, Kadarmideen HN, Dinnyes A, Bolund L, Roelen BA, Schmidt M, Callesen H, Hyttel P, Freude KK. (2017). Systematic in vitro and in vivo characterization of Leukemia-inhibiting factor- and Fibroblast growth factor-derived porcine induced pluripotent stem cells. **Molecular Reproduction and Development** 84(3):229-245.
- Si-Tayeb K, Idriss S, Champon B, Caillaud A, Pichelin M, Arnaud L, Lemarchand P, Le May C, Zibara K, Cariou B. (2016). Urine-sample-derived human induced pluripotent stem cells as a model to study PCSK9-mediated autosomal dominant hypercholesterolemia. **Disease Models & Mechanisms** 9(1):81-90.
- Li T, Pires C, Nielsen TT, Waldemar G, Hjermand LE, Nielsen JE, Dinnyes A, Holst B, Hyttel P, Freude KK. (2016). Generation of induced pluripotent stem cells (iPSCs) from an Alzheimer's disease patient carrying a M146I mutation in PSEN1. **Stem Cell Research** 16(2):334-7.
- Zhang Y, Schmid B, Nielsen TT, Nielsen JE, Clausen C, Hyttel P, Holst B, Freude KK. (2016). Generation of a human induced pluripotent stem cell line via CRISPR-Cas9 mediated integration of a site-specific heterozygous mutation in CHMP2B. **Stem Cell Research** 17(1):148-150.
- Butler CR, Hynds RE, Gowers KH, Lee Ddo H, Brown JM, Crowley C, Teixeira VH, Smith CM, Urbani L, Hamilton NJ, Thakrar RM, Booth HL, Birchall MA, De Coppi P, Giangreco A, O'Callaghan C, Janes SM. (2016). Rapid Expansion of Human Epithelial Stem Cells Suitable for Airway Tissue Engineering. **American Journal of Respiratory and Critical Care Medicine** 15;194(2):156-68.

- Tubsuwan A, Pires C, Rasmussen MA, Schmid B, Nielsen JE, Hjermand LE, Hall V, Nielsen TT, Waldemar G, Hyttel P, Clausen C, Kitiyanant N, Freude KK, Holst B. (2016). Generation of induced pluripotent stem cells (iPSCs) from an Alzheimer's disease patient carrying a L150P mutation in PSEN-1. **Stem Cell Research** 16(1):110-2.
- Sposito T, Preza E, Mahoney CJ, Setó-Salvia N, Ryan NS, Morris HR, Arber C, Devine MJ, Houlden H, Warner TT, Bushell TJ, Zagnoni M, Kunath T, Livesey FJ, Fox NC, Rossor MN, Hardy J, Wray S. (2015). Developmental regulation of tau splicing is disrupted in stem cell-derived neurons from frontotemporal dementia patients with the 10 + 16 splice-site mutation in MAPT. **Human Molecular Genetics** 15;24(18):5260-9.
- Chen H, Aksoy I, Gonnot F, Osteil P, Aubry M, Hamela C, Rognard C, Hochard A, Voisin S, Fontaine E, Mure M, Afanassieff M, Cleroux E, Guibert S, Chen J, Vallot C, Acloque H, Genthon C, Donnadiou C, De Vos J, Sanlaville D, Guérin JF, Weber M, Stanton LW, Rougeulle C, Pain B, Bourillot PY, Savatier P. (2015). Reinforcement of STAT3 activity reprogrammes human embryonic stem cells to naive-like pluripotency. **Nature Communications** 13;6:7095.