

TRACCE PROVE DIMET 34° CICLO

Articoli busta n. 1:

1.1 - Intravenous infusion of human bone marrow mesenchymal stromal cells promotes functional recovery and neuroplasticity after ischemic stroke in mice. Sammalı E, Alia C, Vegliante G, Colombo V, Giordano N, Pischıutta F, Boncoraglio GB, Barilani M, Lazzari L, Caleo M, De Simoni MG, Gaipa G, Citerio G, Zanier ER. *Sci Rep*. 2017 Jul 31;7(1):6962. doi: 10.1038/s41598-017-07274-w.

1.2 - Multimodal doxorubicin loaded magnetic nanoparticles for VEGF targeted theranostics of breast cancer. Semkina AS, Abakumov MA, Skorikov AS, Abakumova TO, Melnikov PA, Grinenko NF, Cherepanov SA, Vishnevskiy DA, Naumenko VA, Ionova KP, Majouga AG, Chekhonin VP. *Nanomedicine*. 2018 May 3;14(5):1733-1742. doi: 10.1016/j.nano.2018.04.019

1.3 - Toll-like receptor signaling in amyotrophic lateral sclerosis spinal cord tissue. Casula M, Iyer AM, Spliet WG, Anink JJ, Steentjes K, Sta M, Troost D, Aronica E. *Neuroscience*. 2011 Apr 14;179:233-43. doi: 10.1016/j.neuroscience.2011.02.001. Epub 2011 Feb 12.

1.4 - Germline Mutations in Predisposition Genes in Pediatric Cancer. Zhang J, Walsh MF, Wu G, Edmonson MN, Gruber TA, Easton J, Hedges D, Ma X, Zhou X, Yergeau DA, Wilkinson MR, Vadodaria B, Chen X, McGee RB, Hines-Dowell S, Nuccio R, Quinn E, Shurtleff SA, Rusch M, Patel A, Becksfort JB, Wang S, Weaver MS, Ding L, Mardis ER, Wilson RK, Gajjar A, Ellison DW, Pappo AS, Pui CH, Nichols KE, Downing JR. *N Engl J Med*. 2015 Dec 10;373(24):2336-2346. doi: 10.1056/NEJMoa1508054. Epub 2015 Nov 18.

1.5 - Investigating the cardiac pathology of SCO2-mediated hypertrophic cardiomyopathy using patients induced pluripotent stem cell-derived cardiomyocytes. Hallas T, Eisen B, Shemer Y, Ben Jehuda R, Mekies LN, Naor S, Schick R, Eliyahu S, Reiter I, Vlodyavsky E, Katz YS, Öunap K, Lorber A, Rodenburg R, Mandel H, Gherghiceanu M, Binah O. *J Cell Mol Med*. 2018 Feb;22(2):913-925. doi: 10.1111/jcmm.13392. Epub 2017 Nov 28.

1.6 - Autoimmune Th17 Cells Induced Synovial Stromal and Innate Lymphoid Cell Secretion of the Cytokine GM-CSF to Initiate and Augment Autoimmune Arthritis. Hirota K, Hashimoto M, Ito Y, Matsuura M, Ito H, Tanaka M, Watanabe H, Kondoh G, Tanaka A, Yasuda K, Kopf M, Potocnik AJ, Stockinger B, Sakaguchi N, Sakaguchi S. *Immunity*. 2018 Jun 19;48(6):1220-1232.e5. doi: 10.1016/j.immuni.2018.04.009. Epub 2018 May 22.

1.7 - Transcriptional activator DOT1L putatively regulates human embryonic stem cell differentiation into the cardiac lineage. Pursani V, Bhartiya D, Tanavde V, Bashir M, Sampath P. *Stem Cell Res Ther*. 2018 Apr 10;9(1):97. doi: 10.1186/s13287-018-0810-8.

Articoli busta n. 2:

2.1- Cardiac and systemic rejuvenation after cardiosphere-derived cell therapy in senescent rats. Grigorian-Shamagian L, Liu W, Fereydooni S, Middleton RC, Valle J, Cho JH, Marbán E. *Eur Heart J*. 2017 Oct 14;38(39):2957-2967. doi: 10.1093/eurheartj/ehx454.

2.2- Functionalization and Characterization of Magnetic Nanoparticles for the Detection of Ferritin Accumulation in Alzheimer's Disease. Fernández T, Martínez-Serrano A, Cussó L, Desco M, Ramos-Gómez M. *ACS Chem Neurosci*. 2018 May 16;9(5):912-924. doi: 10.1021/acchemneuro.7b00260. Epub 2018 Jan 18.

2.3 - Differential Synaptic Remodeling by Dopamine in Direct and Indirect Striatal Projection Neurons in Pitx3^{-/-} Mice, a Genetic Model of Parkinson's Disease. Suarez LM, Alberquilla S, García-Montes JR, Moratalla R. *J Neurosci*. 2018 Apr 11;38(15):3619-3630. doi: 10.1523/JNEUROSCI.3184-17.2018. Epub 2018 Feb 26.

2.4 - Targetable kinase-activating lesions in Ph-like acute lymphoblastic leukemia. Roberts KG, Li Y, Payne-Turner D, Harvey RC, Yang YL, Pei D, McCastlain K, Ding L, Lu C, Song G, Ma J, Becksfort J, Rusch M, Chen SC, Easton J, Cheng J, Boggs K, Santiago-Morales N, Iacobucci I, Fulton RS, Wen J, Valentine M, Cheng C, Paugh SW, Devidas M, Chen IM, Reshmi S, Smith A, Hedlund E, Gupta P, Nagahawatte P, Wu G, Chen X, Yergeau D, Vadodaria B, Mulder H, Winick NJ, Larsen EC, Carroll WL, Heerema NA, Carroll AJ, Grayson G, Tasian SK, Moore AS, Keller F, Frei-Jones M, Whitlock JA, Raetz EA, White DL, Hughes TP, Guidry Auvil JM, Smith MA, Marcucci G, Bloomfield CD, Mrózek K, Kohlschmidt J, Stock W, Kornblau SM, Konopleva M, Paietta E, Pui CH, Jeha S, Relling MV, Evans WE, Gerhard DS, Gastier-Foster JM, Mardis E, Wilson RK, Loh ML, Downing JR, Hunger SP, Willman CL, Zhang J, Mullighan CG. *N Engl J Med*. 2014 Sep 11;371(11):1005-15. doi: 10.1056/NEJMoa1403088.

2.5 - In Vivo Functional Selection Identifies Cardiostrophin-1 as a Cardiac Engraftment Factor for Mesenchymal Stromal Cells. Bortolotti F, Ruozi G, Falcione A, Doimo S, Dal Ferro M, Lesizza P, Zentilin L, Banks L, Zacchigna S, Giacca M. *Circulation*. 2017 Oct 17;136(16):1509-1524. doi: 10.1161/CIRCULATIONAHA.117.029003. Epub 2017 Jul 28.

2.6 - Targeting EZH2 Reprograms Intratumoral Regulatory T Cells to Enhance Cancer Immunity. Wang D, Quiros J, Mahuron K, Pai CC, Ranzani V, Young A, Silveria S, Harwin T, Abnousian A, Pagani M, Rosenblum MD, Van Gool F, Fong L, Bluestone JA, DuPage M. *Cell Rep*. 2018 Jun 12;23(11):3262-3274. doi: 10.1016/j.celrep.2018.05.050.

2.7 - Regulation of mucosal addressin cell adhesion molecule 1 expression in human and mice by vascular adhesion protein 1 amine oxidase activity. Liaskou E, Karikoski M, Reynolds GM, Lalor PF, Weston CJ, Pullen N, Salmi M, Jalkanen S, Adams DH. *Hepatology*. 2011 Feb;53(2):661-72. doi: 10.1002/hep.24085. Epub 2011 Jan 10.

Articoli busta n. 3:

3.1 - CD4 T-cells regulate angiogenesis and myogenesis. Kwee BJ, Budina E, Najibi AJ, Mooney DJ. *Biomaterials*. 2018 Jun 6;178:109-121. doi: 10.1016/j.biomaterials.2018.06.003.

3.2 - Tissue-based quantitative proteomics to screen and identify the potential biomarkers for early recurrence/metastasis of esophageal squamous cell carcinoma. Cai XW, Yu WW, Yu W, Zhang Q, Feng W, Liu MN, Sun MH, Xiang JQ, Zhang YW, Fu XL. *Cancer Med*. 2018 Jun;7(6):2504-2517. doi: 10.1002/cam4.1463. Epub 2018 Apr 23

3.3 - Growth hormone secretagogues hexarelin and JMV2894 protect skeletal muscle from mitochondrial damages in a rat model of cisplatin-induced cachexia. Sirago G, Conte E, Fracasso F, Cormio A, Fehrentz JA, Martinez J, Musicco C, Camerino GM, Fonzino A, Rizzi L, Torsello A, Lezza AMS, Liantonio A, Cantatore P, Pesce V. *Sci Rep*. 2017 Oct 12;7(1):13017. doi: 10.1038/s41598-017-13504-y.

3.4 - Glutaminolysis is a metabolic dependency in FLT3ITD acute myeloid leukemia unmasked by FLT3 tyrosine kinase inhibition. Gallipoli P, Giotopoulos G, Tzelepis K, Costa ASH, Vohra S, Medina-Perez P, Basheer F, Marando L, Di Liso L, Dias JML, Yun H, Sasca D, Horton SJ, Vassiliou G, Frezza C, Huntly BJP. *Blood*. 2018 Apr 12;131(15):1639-1653. doi: 10.1182/blood-2017-12-820035. Epub 2018 Feb 20.

3.5 - Myeloperoxidase Mediates Postischemic Arrhythmogenic Ventricular Remodeling. Mollenhauer M, Friedrichs K, Lange M, Gesenberg J, Remane L, Kerkenpaß C, Krause J, Schneider J, Ravekes T, Maass M, Halbach M, Peinkofer G, Saric T, Mehrkens D, Adam M, Deuschl FG, Lau D, Geertz B, Manchanda K, Eschenhagen T, Kubala L, Rudolph TK, Wu Y, Tang WHW, Hazen SL, Baldus S, Klinke A, Rudolph V. *Circ Res*. 2017 Jun 23;121(1):56-70. doi: 10.1161/CIRCRESAHA.117.310870. Epub 2017 Apr 12.

3.6 - Blockade of the checkpoint receptor TIGIT prevents NK cell exhaustion and elicits potent anti-tumor immunity. Zhang Q, Bi J, Zheng X, Chen Y, Wang H, Wu W, Wang Z, Wu Q, Peng H, Wei H, Sun R, Tian Z. *Nat Immunol*. 2018 Jun 18. doi: 10.1038/s41590-018-0132-0.

3.7 - Tcf4 regulates dendritic spine density and morphology in the adult brain. Crux S, Herms J, Dorostkar MM. *PLoS One*. 2018 Jun 22;13(6):e0199359. doi: 10.1371/journal.pone.0199359. eCollection 2018.