

EXAMPLES OF PUBLICATIONS 2011 – 2016 WHERE ORF GENETICS' GROWTH FACTORS AND CYTOKINES WERE APPLIED

Toni Pfaffeneder, Fabio Spada, Mirko Wagner, Caterina Brandmayr, Silvia Laube, David Eisen, Matthias Truss, Jessica Steinbacher, Benjamin Hackner, et al. Tet oxidizes thymine to 5-hydroxymethyluracil in mouse embryonic stem cell DNA.

Nature Chemical Biology. 2014. Vol 10, Issue 3, p. 574-581

Jaewoong Yoon, Wonju Jo, Dayeong Jeong, Junho Kim, Hwapyeong Jeong, Jaesung Park. Generation of nanovesicles with sliced cellular membrane fragments for exogenous material delivery.

Biomaterials. 2015. Vol 59, p. 12–20

David Medgyesi, Elias Hobeika, Robert Biesen, Florian Kollert, Adriano Taddeo, Reinhard E. Voll, Falk Hiepe, Michael Reth. The protein tyrosine phosphatase PTP1B is a negative regulator of CD40 and BAFF-R signaling and controls B cell autoimmunity.

Journal of Experimental Medicine. 2014. Vol 211, Issue 3, p. 427-440

Etienne D. Foucher, Simon Blanchard, Laurence Preisser, Erwan Garo, Norbert Ifrah, Philippe Guardiola, Yves Delneste, Pascale Jeannin. IL-34 Induces the Differentiation of Human Monocytes into Immunosuppressive Macrophages. Antagonistic Effects of GM-CSF and IFN γ .

Nature Genetics. 2011. Vol 43, Issue 6, p. 902-909

Wojciech J. Szlachcic, Pawel M. Switoniski, Wlodzimierz J. Krzyzosiak, Marek Figlerowicz, Maciej Figiel. Huntington disease iPSCs show early molecular changes in intracellular signaling, the expression of oxidative stress proteins and the p53 pathway.

Disease Models & Mechanisms. 2015. Vol 8, p. 1047–1057

Dileep Sharma, Stephen Mark Hamlet, Eugen Bogdan Petcu, Saso Ivanovski. The effect of bisphosphonates on the endothelial differentiation of mesenchymal stem cells.

Scientific Reports. 2016. Vol 6, p. 20580–20590

Vinod Verma, Ben Huang, Prasanna Kumar Kallingappa, Björn Obac. Dual Kinase Inhibition Promotes Pluripotency in Finite Bovine Embryonic Cell Lines.

Stem Cells and Development. 2013. Vol 22, Issue 11, p. 1728-1742

R. Milani, A. Marcellini, G. Montagner, A. Baldisserotto, S. Manfredini, R. Gambari, I. Lampronti. Phloridzin derivatives inhibiting pro-inflammatory cytokine expression in human cystic fibrosis IB3-1 cells.

European Journal of Pharmaceutical Sciences. 2015. Vol 78, p. 225–233

James Marvin, Suchitra Swaminathan, Geoffrey Kraker, Amy Chadburn, James Jacobberger, Charles Goolsby. Normal bone marrow signal-transduction profiles: a requisite for enhanced detection of signaling dysregulations in AML.

Hematopoiesis and stem cells. 2011. Vol 117, Issue 15, p. e120-e130

Yoshiteru Yano, Naoya Iimura, Nobuhiko Kojima, Hideho Uchiyama. Non-neural and cardiac differentiating properties of Tbx6-expressing mouse embryonic stem cells.

Regenerative Therapy. 2016. Vol 3, p. 1-6

Etienne D. Foucher, Simon Blanchard, Laurence Preisser, Philippe Descamps, Norbert Ifrah, Yves Delneste, Pascale Jeannin. IL-34- and M-CSF-induced macrophages switch memory T cells into Th17 cells via membrane IL-1 α .

Eur. J. Immunol. 2015. Vol 45, p. 1092-1102

David J. Pearton, Craig S. Smith, Emma Redgate, Jessica van Leeuwen, Martyn Donnison, Peter L. Pfeffer. Elf5 counteracts precocious trophoblast differentiation by maintaining Sox2 and 3 and inhibiting Hand1 expression.

Developmental Biology. 2014. Vol 392, p. 344-357

Valeria Simone, Sabino Ciavarella, Oronzo Brunetti, Annalisa Savonarola, Mauro Cives, Marco Tucci, Giuseppina Opinto, Eugenio Maiorano, Franco Silvestris. Everolimus restrains the paracrine pro-osteoclast activity of breast cancer cells.

BMC Cancer. 2015. Vol 15, p. 692-704

Kyunchul Kim, Grant Waterer, Rachel Thomson, Ian A. Yang, Najla Nashi, Dino B.A. Tan, Patricia Price. Levels of anti-cytokine antibodies may be elevated in patients with pulmonary disease associated with non-tuberculous mycobacteria.

Cytokine. 2014. Vol 66, p. 160-163

Juehua Gao, Suchitra Swaminathan, Navin Pai, Zachary Johnson, Yi-Hua Chen, LoAnn Peterson, Charles Goolsby. Flow cytometric detection of altered signaling in myelodysplastic syndrome and cytopenia.

Leukemia Research. 2015. Vol 39, p. 1396-1404

Rie Horiuchi, Takayuki Akimoto, Zhang Hong, Takashi Ushida. Cyclic mechanical strain maintains Nanog expression through PI3K/Akt signaling in mouse embryonic stem cells.

Experimental Cell Research. 2012. Vol 318, p. 1726-1732

C. Canino, F. Mori, A. Cambria, A. Diamantini, S. Germoni, G. Alessandrini, G. Borsellino, R. Galati, L. Battistini, R. Blandino, F. Facciolo, G. Citro, S. Strano, P. Muti, G. Blandino, M. Cioce. SASP mediates chemoresistance and tumor-initiating-activity of mesothelioma cells.

Oncogene. 2012. Vol 31, p. 3148-3163

Miwa Haruta, Yusuke Tomita, Yuya Imamura, Keiko Matsumura, Tokunori Ikeda, Koutaro Takamatsu, Yasuharu Nishimura, Satoru Senju. Generation of a large number of functional dendritic cells from human monocytes expanded by forced expression of cMYC plus BMI1.

Human Immunology. 2013. Volume 74, Issue 10, p. 1400-1408

Paola Cafforio, Annalisa Savonarola, Stefania Stucci, Monica De Matteo, Marco Tucci, Anna Elisabetta Brunetti, Mariagrazia Vecchio, Francesco Silvestris. PTHrP produced by myeloma plasma cells regulates their survival and pro-osteoclast activity for bone disease progression.

Journal of Bone and Mineral Research. 2013. Volume 29, Issue 1, p 55-66

Priscila Ramos-Ibeas, Eva Pericuesta, Raul Fernandez-Gonzalez, Alfonso Gutierrez-Adan, Miguel Angel Ramirez. Germ-Cell Culture Conditions Facilitate the Reprogramming to Produce Mouse Embryonic Stem Cells.

Molecular Reproducibility. 2014 Online publication; doi 10.1002/mrd.22346

Mona Hassawi, Elena A. Shestakova, Marilaine Fournier, Charles-Etienne Lebert-Ghali, Gratianne Vaisson, Heloise Frison, Daniel Sinnett, Ramon Vidal, Alexander Thompson, Janet J. Bijl. Hoxa9 Collaborates with E2A-PBX1 in Mouse B Cell Leukemia in Association With Flt3 Activation and Decrease of B Cell Gene Expression.

Developmental Dynamics. 2014. Vol 243, p. 145-158

Emma de Jong, Andrew Lim, Grant Waterer, Patricia Price. Monocyte-derived macrophages do not explain susceptibility to pulmonary non-tuberculous mycobacterial disease.

Clinical & Translational Immunology. 2012 . Online publication e2; doi:10.1038/cti.2012.1

Francesco Ortuso, Francesco Paduano, Alfonso Carotenuto, Isabel Gomez-Monterrey, Anna Bilotta, Eugenio Gaudio, Marina Sala, Anna Artese, Ermelinda Vernieri, Vincenzo Dattilo, Rodolfo Iuliano, Diego Brancaccio, Alessia Bertamino, Simona Musella, Stefano Alcaro, Paolo Grieco, Nicola Perrotti, Carlo M. Croce, Ettore Novellino, Alfredo Fusco, Pietro Campiglia, Francesco Trapasso. Discovery of PTPRJ Agonist Peptides That Effectively Inhibit in Vitro Cancer Cell Proliferation and Tube Formation.

ACS Chemical Biology. 2013. Vol 8, p. 1497-1506