

## ICAffectin® publications (May 2016)

Chaudhary S, Madhukrishna B, Adhya AK and Mishra SK. Overexpression of caspase 7 is  $E\alpha$  dependent to affect proliferation and cell growth in breast cancer cells by targeting p21<sup>Cip</sup>. *Ocogenesis* (2016) 5, e219.

van den Akker GG, Surtel DA, Cremers A, Hoes MF, Caron MM, Richardson SM, Rodrigues-Pinto R<sup>5</sup>, van Rhijn LW, Hoyland JA, Welting TJ, Voncken JW. EGR1 controls divergent cellular responses of distinctive nucleus pulposus cell types. *BMC Musculoskeletal Disord.* (2016) 17:124.

Krüger N, Hoffmann M, Drexler JF, Müller MA, Corman VM, Sauder C, Rubin S, He B, Örvell C, Drosten C, Herrler G. Functional properties and genetic relatedness of the fusion and hemagglutinin-neuraminidase proteins of a mumps virus-like bat virus. *J Virol* (2015) 89:4539–4548

Nyström K, Abrantes J, Margarida Lopes A, Le Moullac-Vaidye B, Marchandeu S, Rocher J, Ruvoën-Clouet N, Esteves PJ, Le Pendu J. Neofunctionalization of the Sec1  $\alpha$ 1,2fucosyltransferase Parologue in Leporids Contributes to Glycan Polymorphism and Resistance to Rabbit Hemorrhagic Disease Virus. *Plos Pathogens* (2015) 11: e1004759.

Katanov C, Lerrer S, Liubomirski Y, Leider-Trejo L, Meshel T, Bar J, Feniger-Barish R, Kamer I, Soria-Artzi G, Kahani H, Banerjee D, Ben-Baruch A. Regulation of the inflammatory profile of stromal cells in human breast cancer: prominent roles for TNF- $\alpha$  and the NF- $\kappa$ B pathway. *Stem Cell Res Ther.* (2015) 1: 87.

Sengupta D, Bhargava DK, Dixit A, Sahoo BS, Biswas S, Biswas G, Mishra SK. ERR $\beta$  signalling through FST and BCAS2 inhibits cellular proliferation in breast cancer cells. *Br J Cancer.* (2014) 110: 2144-58.

Leibovich-Rivkin T, Liubomirski Y, Meshel T, Abashidze A, Brisker D, Solomon H, Rotter V, Weil M, Ben-Baruch A. The inflammatory cytokine TNF $\alpha$  cooperates with Ras in elevating metastasis and turns WT-Ras to a tumor-promoting entity in MCF-7 cells. *BMC Cancer.* (2014) 6: 158.

Das I, Basantray I, Mamidi P, Nayak TK, B M P, Chattopadhyay S, Chattopadhyay S. Heat Shock Protein 90 Positively Regulates Chikungunya Virus Replication by Stabilizing Viral Non-Structural Protein nsP2 during Infection. *PLoS One.* (2014) 9: e100531.

Yakunin E, Kisos H, Kulik W, Grigoletto J, Wanders R and Sharon R. The regulation of catalase activity by PPAR $\gamma$  is affected by  $\alpha$ -synuclein. *Annals of clinical and Translational Neurology.* (2014) 1:145-159

Lebel-Haziv Y, Meshel T, Soria G, Yeheskel A, Mamon E, Ben-Baruch A. Breast Cancer: Coordinated Regulation of CCL2 Secretion by Intracellular Glycosaminoglycans and Chemokine Motifs. *Neoplasia.* (2014) 16: 723-740

Iyer SV, Dange PP, Alam H, Sawant SS, Ingle AD, Borges AM, Shirsat NV, Dalal SN, Vaidya MM. Understanding the role of keratins 8 and 18 in neoplastic potential of breast cancer derived cell lines. *PLoS One.* (2013) 8: e53532

## ICAFectin® publications (May 2016)

Singh S, Pradhan AK, Chakraborty S. SUMO1 negatively regulates the transcriptional activity of EVI1 and significantly increases its co-localization with EVI1 after treatment with arsenic trioxide. *Biochim Biophys Acta*. (2013) 1833: 2357-68

Chiara Soldati, Angela Bithell, Caroline Johnston, Kee-Yew Wong, Lawrence W. Stanton and Noel J Buckley Dysregulation of REST-regulated coding and non-coding RNAs in a cellular model of Huntington's disease *J Neurochem*. (2013) 124:418-30.

Sun Q, Sattayakhom A, Backs J, Stremmel W, Chamulitrat W. Role of myocyte enhancing factor 2B in epithelial myofibroblast transition of human gingival keratinocytes. *Exp Biol Med (Maywood)*. (2012) 237:178-85.

Caron MMJ, Emans PJ, Surtel DAM, Cremers A, Voncken JW, et al. Activation of NF- $\kappa$ B/p65 Facilitates Early Chondrogenic Differentiation during Endochondral Ossification. *PLoS ONE* (2012) 7(3): e33467.

Chen HH, Yu, HI, Chiang WC, Lin YD, Shia BC and Tarn WH. HnRNP Q regulates Cdc42-mediated neuronal morphogenesis. *Molecular and Cellular Biology*. (2012) 32: 2224-38

Moshitzky S, Asher C, Garty H. Intracellular Trafficking of FXVD1 (Phospholemman) and FXVD7 Proteins in *Xenopus* Oocytes and Mammalian Cells. *J Biol Chem*. (2012) 287: 21130-41.

Gaben AM, Sabbah M, Redeuilh G, Bedin M, Mester J. Ligand-free estrogen receptor activity complements IGF1R to induce the proliferation of the MCF-7 breast cancer cells. *BMC Cancer* (2012) 12:291

Langemeier J, Schrom EM, Rabner A, Radtke M, Zychlinski D, Saborowski A, Bohn G, Mandel-Gutfreund Y, Bodem J, Klein C, Bohne J. A complex immunodeficiency is based on U1 snRNP-mediated poly(A) site suppression. *EMBO J*. (2012) 31: 4035-44

Gil Diamant, Liat Amir-Zilberstein, Yuki Yamaguchi, Hiroshi Handa, Rivka Dikstein. DSIF Restricts NF- $\kappa$ B Signaling by Coordinating Elongation with mRNA Processing of Negative Feedback Genes. *Cell Reports*. (2012) 722-731

Haim K, Weitzenfeld P, Meshel T, Ben-Baruch A. Epidermal Growth Factor and Estrogen Act by Independent Pathways to Additively Promote the Release of the Angiogenic Chemokine CXCL8 by Breast Tumor. *Neoplasia*. (2011) 13, 230-243.

Bernot D, Stalin J, Stocker P, Bonardo B, Scroyen I, Alessi MC, Peiretti F. Plasminogen activator inhibitor 1 is an intracellular inhibitor of furin proprotein convertase. *J Cell Sci*. (2011) 124, 1224-30.

Raso GM, Esposito E, Vitiello S, Iacono A, Santoro A, D'Agostino G, Sasso O, Russo R, Piazza PV, Calignano A, Meli R. Palmitoylethanolamide stimulation induces allopregnanolone synthesis in C6 cells and primary astrocytes: involvement of peroxisome-proliferator activated receptor- $\alpha$ . *J Neuroendocrinol*. (2011) 23: 591-600

## ICAFectin® publications (May 2016)

Pradhan AK, Kuila N, Singh S, Chakraborty S. EVI1 up-regulates the stress responsive gene SIRT1 which triggers deacetylation and degradation of EVI1. *Biochim Biophys Acta*. (2011) 1809: 269-75

Sattayakhoma A, Ittiwat W, Strimmel W and Chamulitrat W. Redox Regulation of cytokeratin 18 protein by NADPH oxidase 1 in preneoplastic human epithelial cells. *J Cancer Res Clin Oncol*. (2011) 137:1669-78

Pradhan AK, Mohapatra AD, Nayak KB, Chakraborty S. Acetylation of the Proto-Oncogene EVI1 Abrogates Bcl-xL Promoter Binding and Induces Apoptosis. *PLoS One*. (2011) 6(9):e25370..

Wang CI, Wang CL, Wang CW, Chen CD, Wu CC, Liang Y, Tsai YH, Chang YS, Yu JS, Yu CJ. Importin subunit alpha-2 is identified as a potential biomarker for non-small cell lung cancer by integration of the cancer cell secretome and tissue transcriptome. *Int J Cancer*. (2011) 128: 2364-72.

Bernot et al. Down regulation of tissue inhibitor of metalloproteinase-3 (TIMP-3) expression is necessary for adipocyte differentiation. *J Biol Chem* (2010), 285: 6508-6514

Bar N, Dikstein R. miR-22 Forms a Regulatory Loop in PTEN/AKT Pathway and Modulates Signaling Kinetics. *PLoS ONE* (2010) 5(5): e10859.

Soldati C, Bithell A, Conforti P, Cattaneo E, Buckley NJ. Rescue of gene expression by modified REST decoy oligonucleotides in a cellular model of Huntington's disease. *J Neurochem*. (2010) 116: 415-25

Chèvre R, Le Bihan O, Beilvert F, Chatin B, Barteau B, Mével M, Lambert O, Pitard B. Amphiphilic block copolymers enhance the cellular uptake of DNA molecules through a facilitated plasma membrane transport. *Nucleic Acids Res*. (2011) 39: 1610-22

Schirrmeister W, Gnad T, Wex T, Higashiyama S, Wolke C, Naumann M, Lendeckel U. Ectodomain shedding of E-cadherin and c-Met is induced by Helicobacter pylori infection. *Exp Cell Res*. (2009) 315, 3500-3508

Journo, C et al. NRP/Optineurin Cooperates with TAX1BP1 to potentiate the activation of NF-kappaB by human T-lymphotropic virus type 1 tax protein. *PLoS Pathog*. (2009) 5: e1000521.

Zychlinski D et al. Limited complementarity between U1 snRNA and a retroviral 5' splice site permits its attenuation via RNA secondary structure. *Nucleic Acids Res*. (2009) 37, 7429-7440

Leblond AL et al. Developing Cell Therapy Techniques for Respiratory Disease: Intratracheal Delivery of Genetically Engineered Stem Cells in a Murine Model of Airway Injury. *Hum Gene Ther*. (2009) 20, 1329-1343

Montier T, Benvegna T, Jaffrès PA, Yaouanc JJ, Lehn P. Progress in Cationic Lipid-Mediated Gene Transfection: A Series of Bio-Inspired Lipids as an Example. *Current Gene Therapy* (2008), 8, 296-312