

PUBLICATIONS IN REFEREEED JOURNALS

- [18] Rouabchia, M., **Park, HJ.**, Zhang, A. (2018) Electrical stimulation promotes human keratinocyte proliferation and keratin 5 and 14 expression through activated ERK1/2 and p38 MAPK signaling pathways. *Cell Signal*, submitted
- [17] Rouabchia, M., Alanazi, H., **Park, HJ.**, Goncalves, R. (2018) Cigarette smoke and E-cigarette vapor dysregulate osteoblast interaction with titanium dental implant surface. *J Oral Implant*, doi: 10.1563/aaid-joI-D-18-00009. <https://www.ncbi.nlm.nih.gov/pubmed/30160606>
- [16] Alanazi, H., **Park, HJ.**, Chakir, J., Semlali, A., Rouabchia, M. (2018) Comparative study of the effects of cigarette smoke and electronic cigarettes on human gingival fibroblast proliferation, migration and apoptosis. *Food Chem Toxicol*, 118, 390-8.
<https://www.ncbi.nlm.nih.gov/pubmed/29800583>
- [15] Mao, J., Li, C., **Park, HJ.**, Rouabchia, D., Zhang, Z. (2017) Conductive polymer waving in liquid nitrogen. *ACS Nano*. 11 (10), 10409-16. <https://www.ncbi.nlm.nih.gov/pubmed/28880520>
- [14] Rouabchia, M., Rouabchia, D., **Park, HJ.**, Giasson, L., Zhang, Z. (2017) Effect of soft foods on primary human gingival epithelial cell growth and the wound healing process. *Food Res Int*. 100(Pt1), 433-41. <https://www.ncbi.nlm.nih.gov/pubmed/28873706>
- [13] **Park, HJ.**, Salem, M., Semlali, A., Leung, KP., Rouabchia, M. (2017) Antimicrobial peptide KSL-W promotes gingival fibroblast healing properties in vitro. *Peptides*. 93, 33-43.
<https://www.ncbi.nlm.nih.gov/pubmed/28499840>
- [12] Rouabchia, M., **Park, HJ.**, Semlali A., Zakrzewski A., Chmielewski W., Chakir J. (2017) E-cigarette vapor induces apoptosis response in human gingival epithelial cells through the caspase-3 pathway. *J Cell Physiol*. 232 (6), 1539-47. <https://www.ncbi.nlm.nih.gov/pubmed/27808425>
- [11] Rouabchia, M., **Park, HJ.**, Zhang, Z. (2016) Electrically activated primary human fibroblasts improve in vitro and in vivo skin regeneration. *J Cell Physiol*. 231 (8), 1841-21.
<https://www.ncbi.nlm.nih.gov/pubmed/26661681>
- [10] Derradjia, A., Alanazi, H., **Park, HJ.**, Djeribi, R., Semlali, A., Rouabchia, M. (2016) α -tocopherol decreases interleukin-1 β and -6 and increases human β -defensin-1 and -2 secretion in human gingival fibroblasts stimulated with *Porphyromonas gingivalis* lipopolysaccharide. *J Periodontal Res*. 51 (3), 295-303.
<https://www.ncbi.nlm.nih.gov/pubmed/26214284>
- [9] **Park, H.**, Rouabchia, M., Lavertu, D., Zhang, Z. (2015) Electrical stimulation modulates the expression of multiple wound healing genes in primary human dermal fibroblasts, *Tissue Engineering Part A*. 21 (13-14), 1982-1990. <https://www.ncbi.nlm.nih.gov/pubmed/25873313>

- [8] Rouabchia, M., **Park, H.**, Meng, S., Derbali, H., Zhang, Z. (2013) Electrical Stimulation Promotes Wound Healing by Enhancing Dermal Fibroblast Activity and Promoting Myofibroblast Transdifferentiation, PlosOne. 8 (8), e71660, 1-11.
<https://www.ncbi.nlm.nih.gov/pubmed/23990967>
- [7] **Park, H.**, Drevelle, O., Daviau, A., Bergeron, E., Senta, H., Faucheu, N. (2013) Preventing MEK1 activation influences the responses of human osteosarcoma cells to bone morphogenetic proteins 2 and 9, Anti-Cancer Drugs. 24 (3), 278-290. <https://www.ncbi.nlm.nih.gov/pubmed/23262982>
- [6] Senta, H., Bergeron, E., Drevelle, O., **Park, H.**, Faucheu N. (2011) Combination of synthetic peptides derived from bone morphogenetic proteins and biomaterials for medical applications, Can J Chem Engineering. 89, 227-239.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/cjce.20453>
- [5] **Park, H.**, Bergeron, E., Senta, H., Guillemette, K., Beauvais, S., Blouin, R., Sirois, J., Faucheu, N. (2010) Sanguinarine induces apoptosis of human osteosarcoma cells through the extrinsic and intrinsic pathways, Biochem Biophys Res Commun. 399 (3), 446-451.
<https://www.ncbi.nlm.nih.gov/pubmed/20678472>
- [4] Lord, E., Bergeron, E., Senta, H., **Park, H.**, Faucheu, N. (2010) Effect of BMP-9 and its derived peptide on the differentiation of human white preadipocytes, Growth Factors. 28 (3), 149-156.
<https://www.ncbi.nlm.nih.gov/pubmed/20102315>
- [3] Senta, H., **Park, H.**, Bergeron, E., Drevelle, O., Fong, D., Leblanc, E., Cabana, F., Roux, S., Grenier, G., Faucheu, N. (2009) Cell responses to bone morphogenetic proteins and peptides derived from them: biomedical applications and limitations, Cytokine Growth Factor Rev. 20 (3), 213-222. <https://www.ncbi.nlm.nih.gov/pubmed/19493693>
- [2] Marquis, M. E., Lord, E., Bergeron, E., Drevelle, O., **Park, H.**, Cabana, F., Senta, H., Faucheu, N. (2009) Bone cells-biomaterials interactions, Front Biosci. 14 (3), 1023-67.
<https://www.ncbi.nlm.nih.gov/pubmed/19273115>
- [1] Bergeron, E., Senta, H., Mailloux, A., **Park, H.**, Lord, E., Faucheu, N. (2009) Murine preosteoblast differentiation induced by a peptide derived from bone morphogenetic proteins-9, Tissue Eng Part A. 15 (11), 3341-3349.
<https://www.ncbi.nlm.nih.gov/pubmed/19388833>