

## REFERENCES

- Acs, G., Zhang, P., McGrath, C., Acs, P., McBroom, J., Mohyeldin, A., Liu, S., Lu, H. and Verma, A., 2003. Hypoxia-Inducible Erythropoietin Signaling in Squamous Dysplasia and Squamous Cell Carcinoma of the Uterine Cervix and Its Potential Role in Cervical Carcinogenesis and Tumor Progression. *The American Journal of Pathology*, 162(6), pp.1789-1806.
- Behbakht K, Friedman J, Heimler I, Aroutcheva A, Simoes J, Faro S. Role of the vaginal microbiological ecosystem and cytokine profile in the promotion of cervical dysplasia: a case-control study. *Infect Dis Obstet Gynecol*. 2002;10:181–6.
- Bent, R., Moll, L., Grabbe, S. and Bros, M., 2018. Interleukin-1 Beta—A Friend or Foe in Malignancies?. *International Journal of Molecular Sciences*, 19(8), p.2155.
- Buchholz, K., & Stephens, R. (2006). Activation of the host cell proinflammatory interleukin-8 response by *Chlamydia trachomatis*. *Cellular Microbiology*, 8(11), 1768-1779. doi: 10.1111/j.1462-5822.2006.00747.x
- Chang, A., Amin, A., Gabrielson, E., Illei, P., Roden, R., Sharma, R., & Epstein, J. (2012). Utility of GATA3 Immunohistochemistry in Differentiating Urothelial Carcinoma From Prostate Adenocarcinoma and Squamous Cell Carcinomas of the Uterine Cervix, Anus, and Lung. *The American Journal Of Surgical Pathology*, 36(10), 1472-1476. doi: 10.1097/pas.0b013e318260cde7
- Cheong, H. C., Lee, C. Y. Q., Cheok, Y. Y., Tan, G. M. Y., Looi, C. Y., & Wong, W. F. (2019). Chlamydiaceae: Diseases in Primary Hosts and Zoonosis. *Microorganisms*, 7(5), 146. doi:10.3390/microorganisms7050146
- Chen, D., Lei, L., Lu, C., Galaleldeen, A., Hart, P., & Zhong, G. (2010). Characterization of Pgp3, a *Chlamydia trachomatis* Plasmid-Encoded Immunodominant Antigen. *Journal Of Bacteriology*, 192(22), 6017-6024. doi: 10.1128/jb.00847-10

- Chen, J., Huang, J., Luo, B., Dong, S., Wang, R., Jiang, Z., Xie, Y., Yi, W., Wen, G. and Zhong, J., 2019. PIK3CD induces cell growth and invasion by activating AKT/GSK-3 $\beta$ / $\beta$ -catenin signaling in colorectal cancer. *Cancer Science*, 110(3), pp.997-1011.
- Chen, X., Jiang, J., Shen, H., & Hu, Z. (2011). Genetic susceptibility of cervical cancer. *Journal Of Biomedical Research*, 25(3), 155-164. doi: 10.1016/s1674-8301(11)60020-1
- Chou, J., Provot, S., & Werb, Z. (2010). GATA3 in development and cancer differentiation: Cells GATA have it!. *Journal Of Cellular Physiology*, 222(1), 42-49. doi: 10.1002/jcp.21943
- Chung, M., Sytwu, H., Yan, M., Shih, Y., Chang, C., Yu, M., Chu, T., Lai, H. and Lin, Y., 2009. Promoter methylation of SFRPs gene family in cervical cancer. *Gynecologic Oncology*, 112(2), pp.301-306.
- Cortés-Malagón, E., Bonilla-Delgado, J., Díaz-Chávez, J., Hidalgo-Miranda, A., Romero-Cordoba, S., Üren, A., Çelik, H., McCormick, M., Munguía-Moreno, J., Ibarra-Sierra, E., Escobar-Herrera, J., Lambert, P., Mendoza-Villanueva, D., Bermudez-Cruz, R. and Gariglio, P., 2013. Gene expression profile regulated by the HPV16 E7 oncoprotein and estradiol in cervical tissue. *Virology*, 447(1-2), pp.155-165.
- Damiani, M. T., Gambarte Tudela, J., and Capmany, A. (2014). Targeting eukaryotic Rab proteins: a smart strategy for Chlamydial survival and replication. *Cell. Microbiol.* 16, 1329–1338. doi: 10.1111/cmi.12325
- Elwell, C., Mirrashidi, K., & Engel, J. (2016). Chlamydia cell biology and pathogenesis. *Nature reviews. Microbiology*, 14(6), 385–400. doi:10.1038/nrmicro.2016.30
- Eskiocak, U., Kim, S., Ly, P., Roig, A., Biglione, S., Komurov, K., Cornelius, C., Wright, W., White, M. and Shay, J., 2011. Functional Parsing of Driver Mutations in the Colorectal Cancer Genome Reveals Numerous Suppressors of Anchorage-Independent Growth. *Cancer Research*, 71(13), pp.4359-4365.

- Fan B, Lu H, Hu H, et al. Inhibition of apoptosis in Chlamydia-infected cells: blockade of mitochondrial cytochrome c release and caspase activation. *J Exp Med* 1998;187:487–96.
- Galaldeen, A., Taylor, A., Chen, D., Schuermann, J., Holloway, S., & Hou, S. et al. (2013). Structure of the Chlamydia trachomatis Immunodominant Antigen Pgp3. *Journal Of Biological Chemistry*, 288(30), 22068-22079. doi: 10.1074/jbc.m113.475012
- Gong, S., Yang, Z., Lei, L., Shen, L., & Zhong, G. (2013). Characterization of Chlamydia trachomatis Plasmid-Encoded Open Reading Frames. *Journal Of Bacteriology*, 195(17), 3819-3826. doi: 10.1128/jb.00511-13
- Goodhew, E., Priest, J., Moss, D., Zhong, G., Munoz, B., & Mkocho, H. et al. (2012). CT694 and pgp3 as Serological Tools for Monitoring Trachoma Programs. *Plos Neglected Tropical Diseases*, 6(11), e1873. doi: 10.1371/journal.pntd.0001873
- Hackstadt T. In: *Intracellular Pathogens 1: Chlamydiales*. Tan M, Bavoil PM, editors. Vol. 1. ASM press; 2012. pp. 126–148.
- Ho IC, Pai SY. GATA-3 - not just for Th2 cells anymore. *Cell Mol Immunol*. 2007;4(1):15-29.
- Hu, Y., Wu, F., Liu, Y., Zhao, Q., & Tang, H. (2019). DNMT1 recruited by EZH2-mediated silencing of miR-484 contributes to the malignancy of cervical cancer cells through MMP14 and HNF1A. *Clinical Epigenetics*, 11(1). doi: 10.1186/s13148-019-0786-y
- Huang, Y., Sun, Y., Qin, T., & Liu, Y. (2019). The Structural Integrity of Plasmid-Encoded Pgp3 Is Essential for Induction of Hydrosalpinx by Chlamydia muridarum. *Frontiers In Cellular And Infection Microbiology*, 9. doi: 10.3389/fcimb.2019.00013
- Jia, L., Li, F., Shao, M., Zhang, W., Zhang, C., & Zhao, X. et al. (2017). IL-8 is upregulated in cervical cancer tissues and is associated with the proliferation and migration of HeLa cervical cancer cells. *Oncology Letters*. doi: 10.3892/ol.2017.7391

- Kodama, J., Hasengaowa, Kusumoto, T., Seki, N., Matsuo, T., Ojima, Y., Nakamura, K., Hongo, A. and Hiramatsu, Y., 2007. Association of CXCR4 and CCR7 chemokine receptor expression and lymph node metastasis in human cervical cancer. *Annals of Oncology*, 18(1), pp.70-76.
- Kokes M, Valdivia RH. In: *Intracellular Pathogens 1: Chlamydiales*. Tan M, Bavoil PM, editors. Vol. 1. ASM press; 2012. pp. 170–191.
- Li, Z., Chen, D., Zhong, Y., Wang, S., & Zhong, G. (2008). The Chlamydial Plasmid-Encoded Protein pgp3 Is Secreted into the Cytosol of Chlamydia-Infected Cells. *Infection And Immunity*, 76(8), 3415-3428. doi: 10.1128/iai.01377-07
- LIU, M., ZHANG, H., HU, Y., CHEN, Y. and ZHAO, X., 2016. Identification of key genes associated with cervical cancer by comprehensive analysis of transcriptome microarray and methylation microarray. *Oncology Letters*, 12(1), pp.473-478.
- Luan, X., Peng, B., Li, Z., Tang, L., Chen, C., & Chen, L. et al. (2019). Vaccination with MIP or Pgp3 induces cross-serovar protection against chlamydial genital tract infection in mice. *Immunobiology*, 224(2), 223-230. doi: 10.1016/j.imbio.2018.11.009
- Luo, Z., Li, Y., Wang, H., Fleming, J., Li, M., & Kang, Y. et al. (2015). Hepatocyte Nuclear Factor 1A (HNF1A) as a Possible Tumor Suppressor in Pancreatic Cancer. *PLOS ONE*, 10(3), e0121082. doi: 10.1371/journal.pone.0121082
- Malagobadan, S. and Nagoor, N., 2017. Anokis. Reference Module in Biomedical Sciences,.
- Mital, J., Miller, N., Dorward, D., Dooley, C., & Hackstadt, T. (2013). Role for Chlamydial Inclusion Membrane Proteins in Inclusion Membrane Structure and Biogenesis. *Plos ONE*, 8(5), e63426. doi: 10.1371/journal.pone.0063426.
- Pickett, M., Everson, J., Pead, P., & Clarke, I. (2005). The plasmids of *Chlamydia trachomatis* and *Chlamydia pneumoniae* (N16): accurate determination of copy number and the paradoxical effect of plasmid-curing agents. *Microbiology*, 151(3), 893-903. doi: 10.1099/mic.0.27625-0

- Qiao, S., Zheng, N., Sun, L., Pang, G., Wang, S., Jia, P., Uzonna, J., Bai, H. and Yang, X., 2018. The p110 $\delta$  isoforme of phosphatidylinositol 3-kinase plays an important role in host defense against chlamydial lung infection through influencing CD4+ T-cell function. *Pathogens and Disease*, 76(6).
- Sato, T., Takino, J., Nagamine, K., Nishio, K. and Hori, T., 2019. RASGRP2 Suppresses Apoptosis via Inhibition of ROS Production in Vascular Endothelial Cells. *The Scientific World Journal*, 2019, pp.1-8.
- Song, L., Carlson, J., Whitmire, W., Kari, L., Virtaneva, K., & Sturdevant, D. et al. (2013). Chlamydia trachomatis Plasmid-Encoded Pgp4 Is a Transcriptional Regulator of Virulence-Associated Genes. *Infection And Immunity*, 81(3), 636-644. doi: 10.1128/iai.01305-12
- Su, T., Huang, L., Zhang, N., Peng, S., Li, X., Wei, G., Zhai, E., Zeng, Z. and Xu, L., 2020. FGF14 Functions as a Tumor Suppressor through Inhibiting PI3K/AKT/mTOR Pathway in Colorectal Cancer. *Journal of Cancer*, 11(4), pp.819-825.
- Vendrell, J., Ghayad, S., Ben-Larbi, S., Dumontet, C., Mechti, N. and Cohen, P., 2007. A20/TNFAIP3, a new estrogen-regulated gene that confers tamoxifen resistance in breast cancer cells. *Oncogene*, 26(32), pp.4656-4667.
- Xu, Y., Liu, L., Qiu, X., Liu, Z., Li, H., Li, Z., Luo, W. and Wang, E., 2012. CCL21/CCR7 Prevents Apoptosis via the ERK Pathway in Human Non-Small Cell Lung Cancer Cells. *PLoS ONE*, 7(3), p.e33262.
- Zhong, G. (2017). Chlamydial Plasmid-Dependent Pathogenicity. *Trends in Microbiology*, 25(2), 141–152. doi:10.1016/j.tim.2016.09.006
- Zou, Y., Lei, W., Su, S., Bu, J., Zhu, S., Huang, Q., & Li, Z. (2018). Chlamydia trachomatis plasmid-encoded protein Pgp3 inhibits apoptosis via the PI3K-AKT-mediated MDM2-p53 axis. *Molecular and Cellular Biochemistry*. doi:10.1007/s11010-018-3422-9

Zhou, N., Ding, B., Agler, M., Cockett, M. and McPhee, F., 2015. Lethality of PAK3 and SGK2 shRNAs to Human Papillomavirus Positive Cervical Cancer Cells Is Independent of PAK3 and SGK2 Knockdown. PLOS ONE, 10(1), p.e0117357.

Zhu, H., Shen, Z., Luo, H., Zhang, W., & Zhu, X. (2016). Chlamydia Trachomatis Infection-Associated Risk of Cervical Cancer. *Medicine*, 95(13), e3077. doi: 10.1097/md.000000000000030