

Balasubramanyam Karanam Ph.D, Adjunct Associate Professor,
Department of Biology, Publications, Presentations and Patents
(2008-2017)

1. Arora R., Schmitt D., Karanam B., Tan M., Yates C., Dean-Colomb W. Inhibition of the Warburg effect with a natural compound reveals a novel measurement for determining the metastatic potential of breast cancers. (2015), *Oncotarget*, Jan 7, 6(2),pp 662-678
2. Peng, S., Wang, J.W., Karanam, B., Wang, C., Huh, W.K., Alvarez, R.D., Pai, S.I., Hung, C.-F., Wu, T.-C., Roden, R.B.S. Sequential cisplatin therapy and vaccination with HPV16 E6E7L2 fusion protein in saponin adjuvant GPI-0100 for the treatment of a model HPV16+ cancer (2015) *PLoS ONE*, 10 (1), art. no. e116389.
3. Karthigeyan, D., Siddhanta, S., Kishore, A.H., Perumal, S.S.R.R., Ågren, H., Sudevan, S., Bhat, A.V., Balasubramanyam, K., Subbegowda, R.K., Kundu, T.K., Narayana, C.SERS and MD simulation studies of a kinase inhibitor demonstrate the emergence of a potential drug discovery tool (2014) *Proceedings of the National Academy of Sciences of the United States of America*, 111 (29), pp. 10416-10421.
4. Karanam, B., Gambhira, R., Peng, S., Jagu, S., Kim, D.-J., Ketner, G.W., Stern, P.L., Adams, R.J., Roden, R.B.S. Corrigendum to "vaccination with hpv16 l2e6e7 fusion protein in gpi-0100 adjuvant elicits protective humoral and cell-mediated immunity" [vaccine 27 (2009) 1040-1049](2014) *Vaccine*, 32 (2), p. 309.
5. Jones, J., Wang, H., Karanam, B., Theodore, S., Dean-Colomb, W., Welch, D.R., Grizzle, W., Yates, C. Nuclear localization of Kaiso promotes the poorly differentiated phenotype and EMT in infiltrating ductal carcinomas(2014) *Clinical and Experimental Metastasis*, 31 (5), pp. 497-510.
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7. Kamiyama, H., Rauenzahn, S., Shim, J.S., Karikari, C.A., Feldmann, G., Hua, L., Kamiyama, M., Schuler, F.W., Lin, M.-T., Beaty, R.M., Karanam, B., Liang, H., Mullendore, M.E., Mo, G., Hidalgo, M., Jaffee, E., Hruban, R.H., Jinnah, H.A., Roden, R.B.S., Jimeno, A., Liu, J.O., Maitra, A., Eshleman, J.R. Personalized chemotherapy profiling using cancer cell lines from selectable mice(2013) *Clinical Cancer Research*, 19 (5), pp. 1139-1146. Cited 3 times.
8. Jagu, S., Kwak, K., Karanam, B., Huh, W.K., Damotharan, V., Chivukula, S.V., Roden, R.B.S. Optimization of Multimeric Human Papillomavirus L2 Vaccines (2013) *PLoS ONE*, 8 (1), art. no. e55538, . Cited 10 times.

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17. Jagu, S., Karanam, B., Gambhira, R., Chivukula, S.V., Chaganti, R.J., Lowy, D.R., Schiller, J.T., Roden, R.B.S. Concatenated multitype L2 fusion proteins as candidate prophylactic pan-human papillomavirus vaccines(2009) *Journal of the National Cancer Institute*, 101 (11), pp. 782-792. Cited 72 times.
18. Karanam, B., Jagu, S., Huh, W.K., Roden, R.B.S. Developing vaccines against minor capsid antigen L2 to prevent papillomavirus infection(2009) *Immunology and Cell Biology*, 87 (4), pp. 287-299. Cited 20 times.

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Presentations at National and International conferences

1. **Vaccination with HPV 16 L2E6E7 with GPI-0100 Adjuvant Elicits protective humoral immune responses** Abstract no: A138 **Balasubramanyam Karanam, Richard Roden, Ratish Gambhira, Subhashini Jagu** Presented at **Frontiers in Cancer Prevention Research** Washington DC Nov 16-19, 2008
2. **Concatenated multitype L2 fusion proteins as prophylactic human papilloma virus vaccines** Abstract no: B93 **Subhashini Jagu, Balasubramanyam Karanam, Ratish Gambhira, Sudha V. Chivukula, Revathi J. Chaghanti, Douglas R. Lowy, John T. Schiller, Richard Roden** Presented at **Frontiers in Cancer Prevention Research** Washington DC Nov 16-19, 2008
3. **Vaccination with HPV 16 L2E6E7 fusion protein in GPI-0100 Adjuvant Elicits protective and humoral as well as cell mediated immunity** Abstract no: C1 **Balasubramanyam Karanam, Ratish Gambhira, Richard Roden.** Presented at **Infection and Cancer: Biology, Therapeutics and Prevention** Hong Kong SAR, China Dec 5-7, 2008
4. **Role of L2 Cysteines in HPV infection and neutralization by monoclonal antibody RG1** **Ratish Gambhira, Subhashini Jagu, Balasubramanyam Karanam, Patricia Day, Richard Roden**
5. Presented 25th International Papillomavirus Conference Malmo, Sweden May 8-14, 2009..

6. **Papillomavirus infection requires g-secretase, *Balasubramanyam Karanam, Shiwen Peng, Richard Roden.*** International Papillomavirus Conference and Clinical Workshop Montreal, Canada July 3rd - July 8th 2010,
7. **Nuclear localization of Kaiso promotes the poorly differentiated phenotype and EMT in infiltrating ductal carcinomas,** Jones, J., Wang, H., **Karanam, B.**, Theodore, S., Dean-Colomb, W., Welch, D.R., Grizzle, W., Yates, C. 13th Research Centers at Minority Institutions (RCMI) International Symposium on Health Disparities. San Juan, Puerto Rico, December 10-13, 2012.
8. **High Through-Put Drug Screening for Metastatic Cancer,** *Damaris Gachungi, Clayton Yates, Balasubramanyam Karanam.* Annual Biomedical Research Conference for Minority Students, Nashville, Tennessee, Nov 13-16, 2013

PATENTS

1. Richard Roden, Ravi K.Anchoori, **Karanam Balasubramanyam**, Novel bis-benzylidene piperidone proteasome inhibitor with anti cancer activity. **US Application 61/820,884, International PCT/US2014/037031**
2. Tapas K. Kundu **Karanam Balasubramanyam**, Venkatesh Swaminathan, Modulators (inhibitors/activators) of histone acetyltransferases (**US patent 7332629 B2**) 19th Feb, 2008.
3. Tapas K. Kundu **Karanam Balasubramanyam**, Montelingu Kempegowda, M. Altaf, V. Swaminathan, Radhika A. Variar, Polyisoprenylated benzophenones and their isomers as inhibitors of histone acetyltransferases and uses thereof. (**US patent 7402706 B2**) July 22, 2008.