Greehey Children's Cancer Research Institute

seminar series

Monday, July 12th 12:00–1:00
Located in the Greehey CCRI Auditorium

Vyomesh Patel, PhD

Staff Scientist, Oral and Pharyngeal Cancer Branch,
National Institute of Dental and Craniofacial Research,
National Institutes of Health
Bethesda, MD

"Cancer Biomarkers for Realization of Personalized Medicine"

Dr. Vyomesh Patel's seminar hosted by Dr. Penalva, Greehey CCRI

Key publications

Czerninski R., Amornphimoltham P., Patel V., Molinolo A.A., and Gutkind J.S. Targeting mTOR by Rapamycin Prevents Tumor Progression in an Oral-Specific Chemical Carcinogenesis Model. Cancer Res Chemo Prev, 2: 27-36, 2009.

Bhirde A.A., Patel V., Gavard J., Zhang G., Sousa A.A., Masedunskas A., Leapman R.D., Weigert R., Gutkind J.S., and Rusling J.F. Targeted killing of cancer cells in vivo and in vitro with EGF-directed carbon nanotube-based drug delivery. ACS Nano, 3: 307-316, 2009.

Mani V., Chikkaveeraiah B.V., Patel V., Gutkind J.S, and Rusling J.F. Ultrasensitive immunosensor for cancer biomarker proteins using gold nanoparticle film electrodes and multienzyme-particle amplification. ACS Nano, 3: 585-594, 2009.

Munge B.S., Krause C.E., Malhotra R., Patel V., Gutkind J.S., and Rusling J.F. Electrochemical immunosensors for Interleukin-6: Comparison of carbon nanotube forest and gold nanoparticle platforms. Electrochemistry Communication, 11: 1009-1012, 2009.

Chikkaveeraiah B.V., Bhirde A., Malhotra R., Patel V., Gutkind J.S., and Rusling J.F. Single-wall carbon nanotube forest arrays for immunoelectrochemical measurement of four protein biomarkers for prostate cancer. Anal Chem, 81: 9129-9134, 2009.

Malhotra R., Patel V., Vaqué J.P., Gutkind J.S., Rusling J.F. Ultrasensitive electrochemical immunosensor for oral cancer biomarker IL-6 using carbon nanotube forest electrodes and multilabel amplification, 82: 3118-3123, 2010.

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