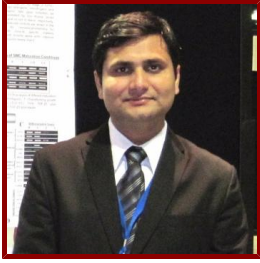


Stanford



Vivek Bajpai

Postdoctoral Research Fellow, Chemical and Systems Biology

Bio

HONORS AND AWARDS

- Peer Reviewed Cancer Research Program (PRCRP), U.S. Army Medical Research and Materiel Command (USAMRMC) (2017-2020)
- Horizon Award, Department of Defense, USA (2016)

PROFESSIONAL EDUCATION

- B of Medicine and B of Surgery, Bundelkhand University (2005)
- Master of Technology, Indian Institute of Technology, Kanpur (2008)
- Doctor of Philosophy, S.U.N.Y. State University at Buffalo (2015)

STANFORD ADVISORS

- Joanna Wysocka, Postdoctoral Faculty Sponsor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Molecular regulation of stem cell plasticity in development and disease

Tissue Engineering and Regenerative Medicine

Publications

PUBLICATIONS

- **Neural crest stem cells from human epidermis of aged donors maintain their multipotency in vitro and in vivo.** *Scientific reports*
Moghadasi Boroujeni, S., Koontz, A., Tseropoulos, G., Kerosuo, L., Mehrotra, P., Bajpai, V. K., Selvam, S. R., Lei, P., Bronner, M. E., Andreadis, S. T.
2019; 9 (1): 9750
- **A microfluidic assay for the quantification of the metastatic propensity of breast cancer specimens** *NATURE BIOMEDICAL ENGINEERING*
Yankaskas, C. L., Thompson, K. N., Paul, C. D., Vitolo, M., Mistriotis, P., Mahendra, A., Bajpai, V. K., Shea, D. J., Manto, K. M., Chai, A. C., Varadarajan, N., Kontrogianni-Konstantopoulos, A., Martin, et al
2019; 3 (6): 452–65
- **Derivation of neural crest stem cells from human epidermal keratinocytes requires FGF-2, IGF-1, and inhibition of TGF-beta 1** *BIOENGINEERING & TRANSLATIONAL MEDICINE*
Tseropoulos, G., Boroujeni, S., Bajpai, V. K., Lei, P., Andreadis, S. T.
2018; 3 (3): 256–64
- **Reprogramming Postnatal Human Epidermal Keratinocytes Toward Functional Neural Crest Fates** *STEM CELLS*
Bajpai, V. K., Kerosuo, L., Tseropoulos, G., Cummings, K. A., Wang, X., Lei, P., Liu, B., Liu, S., Popescu, G. K., Bronner, M. E., Andreadis, S. T.

2017; 35 (5): 1402-1415

- **NANOG Reverses the Myogenic Differentiation Potential of Senescent Stem Cells by Restoring ACTIN Filamentous Organization and SRF-Dependent Gene Expression** *STEM CELLS*

Mistriotis, P., Bajpai, V. K., Wang, X., Rong, N., Shahini, A., Asmani, M., Liang, M., Wang, J., Lei, P., Liu, S., Zhao, R., Andreadis, S. T.

2017; 35 (1): 207-221

- **Flow induced adherens junction remodeling driven by cytoskeletal forces.** *Experimental cell research*

Verma, D., Bajpai, V. K., Ye, N., Maneshi, M. M., Jetta, D., Andreadis, S. T., Sachs, F., Hua, S. Z.

2017

- **Heart Regeneration with Engineered Myocardial Tissue** *ANNUAL REVIEW OF BIOMEDICAL ENGINEERING, VOL 16*

Coulombe, K. L., Bajpai, V. K., Andreadis, S. T., Murry, C. E.

2014; 16: 1-28

- **Functional vascular smooth muscle cells derived from human induced pluripotent stem cells via mesenchymal stem cell intermediates** *CARDIOVASCULAR RESEARCH*

Bajpai, V. K., Mistriotis, P., Loh, Y., Daley, G. Q., Andreadis, S. T.

2012; 96 (3): 391-400

- **Stem Cell Sources for Vascular Tissue Engineering and Regeneration** *TISSUE ENGINEERING PART B-REVIEWS*

Bajpai, V. K., Andreadis, S. T.

2012; 18 (5): 405-425

- **Clonal multipotency and effect of long-term in vitro expansion on differentiation potential of human hair follicle derived mesenchymal stem cells** *STEM CELL RESEARCH*

Bajpai, V. K., Mistriotis, P., Andreadis, S. T.

2012; 8 (1): 74-84

- **Cation- π interaction: to stack or to spread** *MOLECULAR PHYSICS*

Mishra, B. K., Bajpai, V. K., Ramanathan, V., Gadre, S. R., Sathyamurthy, N.

2008; 106 (12-13): 1557-1566