

## Lung cancer

**Janaki Deepak** ([jadeepak@som.umaryland.edu](mailto:jadeepak@som.umaryland.edu)):

Dr. Deepak's clinical research focuses on lung cancer screening. As director of the Baltimore VA Medical Center Lung Mass Clinic, Dr. Deepak is developing a VA lung mass database.

### Highlighted Publications:

1. Jiang F, Qiu Q, Khanna A, Todd NW, Deepak J, Xing L, Wang H, Liu Z, Su Y, Stass SA, Katz RL. Aldehyde dehydrogenase 1 is a tumor stem cell-associated marker in lung cancer. *Mol Cancer Res*. 2009 Mar; 7(3):330-8. Epub 2009 Mar 10. PubMed PMID: 19276181.
2. Xie Y, Todd NW, Liu Z, Zhan M, Fang H, Peng H, Alattar M, Deepak J, Stass SA, Jiang F. Altered miRNA expression in sputum for diagnosis of non-small cell lung cancer. *Lung Cancer*. 2010 Feb; 67(2):170-6. Epub 2009 May 14. PubMed PMID: 19446359; PubMed Central PMCID: PMC2846426.
3. Nevins W Todd, Jean Jeudy, Sachin Lavania, Teri J Franks, Jeffrey R Galvin, Janaki Deepak, Edward J Britt, Sergei P Atamas. Centrilobular emphysema combined with pulmonary fibrosis results in improved survival. *Fibrogenesis & Tissue Repair* 2011, 4:6
4. DeLisle S, Kim B, Deepak J, Siddiqui T, Gundlapalli A, Samore M, D'Avolio L: PLoS One. 2013 Aug 13; 8(8). Using the electronic medical record to identify community-acquired pneumonia: toward a replicable automated strategy.
5. J Wang, X Tian, R Han, X Zhang, X Wang, H Shen, L Xue, Y Liu, X Yan, J Shen, K Mannoer, J Deepak, J M Donahue, S A Stass, L Xing and F Jiang: Oncogene advance online publication 11 March 2013; :Downregulation of miR-486-5p contributes to tumor progression and metastasis by targeting protumorigenic ARHGAP5 in lung cancer
6. Janaki Deepak, Xinyi Ng, Josephine Feliciano, Li Mao, Amy J. Davidoff. *Annals ATS*. First published online 11 Mar 2015 DOI10.1513/AnnalsATS.201406-230OC: Pulmonologist Involvement, Stage-Specific Treatment, and Survival in Adults with Non-Small Cell Lung Cancer and COPD.

### Links:

Faculty webpage: <http://www.medschool.umaryland.edu/profiles/Deepak-Janaki/>

**Feng Jiang** ([FJiang@som.umaryland.edu](mailto:FJiang@som.umaryland.edu)):



The Jiang lab focuses on identifying and characterizing molecular genetic changes that occur in lung cancer; understanding the complex functional networks underlying tumorigenesis; translating the new discovers to laboratory settings that can advance health care of lung cancer patients; and developing biomarkers for lung cancer early detection and diagnosis.

Highlighted Publications:

1. A plasma miRNA signature for lung cancer early detection. Q Leng, Y Lin, F Jiang, CJ Lee, M Zhan, HB Fang, Y Wang, F Jiang. *Oncotarget* 8 (67), 111902. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5762367/>
2. Small non-coding RNA biomarkers in sputum for lung cancer diagnosis. Y Su, MA Guarnera, HB Fang, F Jiang. *Molecular cancer* 15 (1), 36. <https://molecular-cancer.biomedcentral.com/articles/10.1186/s12943-016-0520-8>
3. Differential miRNA expressions in peripheral blood mononuclear cells for diagnosis of lung cancer. J Ma, Y Lin, M Zhan, DL Mann, SA Stass, F Jiang. *Laboratory Investigation* 95 (10), 1197. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4586315/>
4. Integrating Circulating Immunological and Sputum Biomarkers for the Early Detection of Lung Cancer. J Su, Q Leng, Y Lin, J Ma, F Jiang, CJ Lee, HB Fang, F Jiang. *Biomarkers in cancer* 10, 1179299X18759297. <http://journals.sagepub.com/doi/full/10.1177/1179299X18759297>.
5. Genome-wide small nucleolar RNA expression analysis of lung cancer by next-generation deep sequencing. L Gao, J Ma, K Mannoer, MA Guarnera, A Shetty, M Zhan, L Xing, .Jiang. F. *International journal of cancer* 136 (6). <http://onlinelibrary.wiley.com/doi/10.1002/ijc.29169/full>

Links:

Med School faculty page: <http://www.medschool.umaryland.edu/profiles/Jiang-Feng/>

PubMed publications: