



UNIVERSITY *of* MARYLAND SCHOOL OF MEDICINE

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Feng Jiang, MD, PhD

Academic Title:

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Education and Training

- MD, Southeast University, China
- MS, Southeast University, China
- PhD, University of Basel, Switzerland
- University of Texas M.D. Anderson Cancer Center, Post-doctoral

Biosketch

My research interests are in the field of identifying and understanding genomic and molecular genetic aberrations that lead to tumor formation, and translating the resultant new technologies and information into clinic for diagnosis and therapeutic interventions of cancer.

Research/Clinical Keywords

Genomic and molecular genetic aberrations, carcinogenesis, early detection and diagnosis of cancer.

Highlighted Publications

Li H, Jiang Z, Leng Q, L Xing, **F Jiang**. A prediction model for distinguishing lung squamous cell carcinoma from adenocarcinoma. *Oncotarget* 8 (17), 5131-6 2017.

J Ma, MA Guarnera, W Zhou, HB Fang, **F Jiang**. A Prediction Model Based on Biomarkers and Clinical Characteristics for Detection of Lung Cancer in Pulmonary Nodules. *Translational Oncology* 10 (1), 40-45 2017.

Y Su, HB Fang, **F Jiang**. Integrating DNA methylation and microRNA biomarkers in sputum for lung cancer detection. *Clinical epigenetics* 8 (1), 109 1 2016

Y Su, MA Guarnera, HB Fang, **F Jiang**. Small non-coding RNA biomarkers in sputum for lung cancer diagnosis. *Molecular cancer* 15 (1), 36 3 2016.

J Su, J Liao, L Gao, J Shen, MA Guarnera, M Zhan, HB Fang, SA Stass, **F Jiang**. Analysis of small nucleolar RNAs in sputum for lung cancer diagnosis. *Oncotarget* 7 (5), 5131-6 2016.

J Ma, Y Lin, M Zhan, DL Mann, SA Stass, **F Jiang**. Differential miRNA expressions in peripheral blood mononuclear cells for diagnosis of lung cancer. *Laboratory Investigation* 95 (10), 1197-1206 13 2015.

L Gao, J Ma, K Mannoor, MA Guarnera, A Shetty, M Zhan, L Xing, **F Jiang**. Genome - wide small nucleolar RNA expression analysis of lung cancer by next - generation deep sequencing. *International Journal of Cancer* 136 (6), E623-E629 9 2015.

L Xing, J Su, MA Guarnera, H Zhang, L Cai, R Zhou, SA Stass, **F Jiang**. Sputum microRNA biomarkers for identifying lung cancer in indeterminate solitary pulmonary nodules. *Clinical Cancer Research* 21 (2), 484-489 29 2015.

J Ma, K Mannoor, L Gao, A Tan, MA Guarnera, M Zhan, A Shetty, **F Jiang**. Characterization of microRNA transcriptome in lung cancer by next-generation deep sequencing. *Molecular oncology* 8 (7), 1208-1219 23 2014.

L Yu, J Shen, K Mannoor, M Guarnera, **F Jiang**. Identification of ENO1 as a potential sputum biomarker for early-stage lung cancer by shotgun proteomics. *Clinical lung cancer* 15 (5), 372-378. e1 21 2014

K Mannoor, J Shen, J Liao, Z Liu, **F Jiang**. Small nucleolar RNA signatures of lung tumor-initiating cells. *Molecular cancer* 13 (1), 104 14 2014

J Wang, X Tian, R Han, X Zhang, X Wang, H Shen, L Xue, Y Liu, X Yan, **F Jiang**. Downregulation of miR-486-5p contributes to tumor progression and metastasis by targeting protumorigenic ARHGAP5 in lung cancer. *Oncogene* 33 (9), 1181-1189 84 2014

N Li, J Ma, MA Guarnera, HB Fang, L Cai, **F Jiang**. Digital PCR quantification of miRNAs in sputum for diagnosis of lung cancer. *Journal of cancer research and clinical oncology* 140 (1), 145-150 40 2014.

F Jiang, Q Qiu, A Khanna, NW Todd, J Deepak, L Xing, H Wang, Z Liu, **F Jiang**. Aldehyde dehydrogenase 1 is a tumor stem cell-associated marker in lung cancer. *Molecular Cancer Research* 7 (3), 330-338 589 2009.

Q Qiu, NW Todd, R Li, H Peng, Z Liu, HG Yfantis, RL Katz, SA Stass, . **F Jiang**. Magnetic enrichment of bronchial epithelial cells from sputum for lung cancer diagnosis. *Cancer Cytopathology* 114 (4), 275-283 32 2008 25 2007.

T Fan, R Li, NW Todd, Q Qiu, HB Fang, H Wang, J Shen, RY Zhao, **F Jiang**. Up-regulation of 14-3-3 ζ in lung cancer and its implication as prognostic and therapeutic target. *Cancer research* 67 (16), 7901-7906 87 2007.

R Li, NW Todd, Q Qiu, T Fan, RY Zhao, WH Rodgers, HB Fang, RL Katz, **F Jiang**. Genetic Deletions in Sputum as Diagnostic Markers for Early Detection of Stage I Non-Small Cell Lung Cancer. *Clinical Cancer Research* 13 (2), 482-487 2007.

R Li, H Wang, BN Bekele, Z Yin, NP Caraway, RL Katz, SA Stass, **F Jiang**. Identification of putative oncogenes in lung adenocarcinoma by a comprehensive functional genomic approach. *Oncogene* 25 (18), 2628-2635 132 2006.

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