



- *Instructor*
- *Department of Medicine*
- *Division of Oncology, Cancer Center*

Conditions Treated:

Research Areas:

- *Cancer*
- *Biomedical Informatics*
- *Cellular and Molecular Biology*

Programs & Services:

- *Department of Medicine*
- *Division of Oncology*

Research Interests

Main focus of our laboratory is on cell signaling pathways involved in lung injury and lung cancer. HER2, a receptor of EGFR family of receptors, is activated by Neuregulin-1 in injuries leading to activation of a cascade of signaling pathways. Our research findings demonstrate that Neuregulin-1 is involved in progression of lung injury and fibrosis. We are investigating role of ADAM-17 in progression of NRG-1-pathway mediated lung injury.

Education

1993 Banaras Hindu University (Varanasi, India), PhD

Publications

Mishra, R, Cool, BL, Laderoute, KR, Foretz, M, Viollet, B, Simonson, MS. J. Biol. Chem. 283, 10461-10469 (2008).

Mishra, R, Zhu, L, Eckert, RL, Simonson, MS. Am. J. Physiol. Cell Physiol. 292: C1361-9 (2007).

Mishra, R, Emancipator, SN, Miller, C, Kern, T, and Simonson, MS. Am. J. Physiol. Renal Physiol. 286: F913-F921 (2004).

Mishra, R, Leahy, P, and Simonson MS. Am. J. Physiol. Cell Physiol. 285:C1109-15 (2003).

Mishra, R, Leahy, P, and Simonson, MS. Am. J. Physiol. Renal Physiol. 283:F1151-9 (2002)

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Locations

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