Faculty Profile

1} NAME: Dr. Supriya Patil

2} POSITION IN THE DEPARTMENT: Associate Professor

3} EDUCATIONAL QUALIFICATIONS:

BSc (Microbiology)

MSc (Biotechnology)

PGDBM

MBS (HR)

PhD

4} EXPERIENCE DETAILS:

Postdoctoral Fellowship: Lerner Research Institute, Cleveland Clinic Foundation, Cleveland, OH USA

Research Associate: Lerner Research Institute, Cleveland Clinic Foundation, Cleveland, OH USA

5} RESEARCH AND PUBLICATIONS:

Research Publications:

1. S. Vashistha, Patil S., C. Joshi, and P. Ajitkumar (2007) Determination of growth inhibitory point of interferon-gamma on WISH cells in cell cycle progression and the window of responsiveness of the cells to the interferon. Cytokine; 37(2): 108-118.
2. Karnik SS, Gogonea C, Patil S, Saad Y, Takezako T. (2003) Activation of G-protein-coupled receptors: a common molecular mechanism. Trends Endocrinol Metab. 2003 Nov; 14(9): 431-7.
3. Wildey, GM, Patil, S. and Howe PH. (2003). Smad3 potentiates transforming growth factor-beta (TGFb)-induced apoptosis and expression of BH3-only protein Bim in WEHI 231 B lymphocytes. J. Biol. Chem. 278(20): 18069-18077.

4. Patil S, Wildey GM, Brown TL, Choy L, Derynck R, Howe PH. (2000) Smad7 is induced by CD40 and protects WEHI 231 B-lymphocytes from transforming growth factor-beta-induced growth inhibition and apoptosis. J Biol. Chem. 275(49): 38363-38370.
5. Brown TL, Patil S, Cianci CD, Morrow JS, Howe PH. (1999). Transforming growth factor-beta induces caspase3-independent cleavage of alpha II-spectrin (alpha-fodrin) coincident with apoptosis. J Biol. Chem. 274(33): 23256-23262.
6. Joshi CV, Supriya Patil, Ajitkumar P. (1999) Growth inhibition of human promonocytic leukemia U937 cells by interferon gamma is irreversible and not cell cycle phase-specific. Cytokine. 9: 673-678.
7. Brown TL, Patil S, Basnett RK, Howe PH. (1998) Caspase inhibitor BD-fmk distinguishes transforming growth factor beta-induced apoptosis from growth inhibition. Cell Growth Differ. 10: 869-875.
8. Supriya Patil, Joshi CV, Ajitkumar P. (1998) IFN-gamma inhibits growth of WISH cells in a cell cycle phase specific manner. J Interferon Cytokine Res. 18(4): 215-217.

Books Published:

1. Brown TL, Patil S, Howe PH. (2000) Analysis of TGF-beta-inducible apoptosis. Methods Mol Biol. 142:149-167.

Abstracts and Posters

1. Signal Transduction from the AT1 Angiotensin Receptor to TGF-beta Promoter. Patil S. and Sadashiv Karnik. FASEB, 2003, San Diego, California, USA.
2. Smad7 is induced by CD40 and protects WEHI 231 cells from TGF beta-induced growth inhibition and apoptosis. Patil S., Wildey GM, Brown T, and Howe P. Lerner Research Institute Research day, 2000, Cleveland, Ohio, USA
3. Effect of Interferon-gamma on the proliferation of human colon carcinoma (SW480) cells. Patil S., Joshi C., and Ajitkumar P. SBC, 1995, Lucknow, India.

6} ADDITIONAL INFORMATION (if any):

Member of Adhoc Board of Studies, Biotechnology Management, Savitribai Phule Pune University, Pune