



SUMIT J. SHAH

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Volunteer Experience

Saffrony Institute of Technology

2020 – present

- Integrated Personality Development Course (IPDC).
- Professional and Life Skills Development Program (PLSD).

Dada Bhagwan Foundation (DBF) - Human Resource Department

2016 - present

- Develop soft skill training modules for DBF volunteers.
- Develop and conduct faith-based workshops.
- Provide training on presentations to world-wide volunteers.
- Translation of spiritual teachings of Dada Bhagwan in English.

Work Experience

Agilent Technologies, USA

2011 – 2015

Applications Scientist and Product Specialist

- Develop ultra-sensitive qualitative and quantitative methodologies for analyzing human proteins and metabolites.
- Conduct customized training workshops for clients.
- Manage technical sales for North-East US region.

University of Pennsylvania,

2007 – 2011

USA -Group Leader, Proteomics and Metabolomics

- Supervise research projects of graduate students and post-doctoral fellows.
- Develop analytical methods to identify and quantify large sets of proteins and metabolites in human clinical samples by LC-MS.
- Develop novel biomarker discovery panels for different human disease models.
- Present research findings at International Scientific Conferences and publish them in peer-reviewed journals.

Dartmouth College, USA

2004 – 2007

Post-Doctoral Research Fellow

- Molecular mechanisms of novel rexinoids in acute promyelocytic leukemia (APL).
- Molecular/cellular biology research to support clinical trials of anti-cancer drugs in patients with advanced lung cancer.
- Mentored research projects of undergraduate students.
- Present research findings at International Scientific Conferences and publish them in peer-reviewed journals.

Education

PhD in Pharmacology

1999 – 2004

University of Louisiana at Monroe (ULM), USA

- Intracellular mechanisms mediating antiproliferative and apoptotic effects of tocotrienols in breast cancer cells.”
- GPA: 4.0
- Received Graduate Student Research Achievement Award.

Bachelors in Pharmaceutical Sciences

1994 – 1998

Bombay College of Pharmacy, University of Mumbai, India

- 4th Rank in University of Mumbai.

Publications (select 3 out of 19)

- Shah SJ, Sylvester PW. Gamma-tocotrienol inhibits neoplastic mammary epithelial cell proliferation by decreasing Akt and nuclear factor kappaB activity. *Exp Biol Med* (Maywood). 2005;230(4):235-241.
- Dragnev KH, Petty WJ, Shah SJ, et al. A proof-of-principle clinical trial of bexarotene in patients with non-small cell lung cancer. *Clin Cancer Res*. 2007;13(6):1794-1800.
- Shah SJ, Yu KH, Sangar V, Parry SI, Blair IA. Identification and quantification of preterm birth biomarkers in human cervicovaginal fluid by liquid chromatography/tandem mass spectrometry. *J Proteome Res*. 2009;8(5):2407-2417.

Presentations and Invited Talks

- Presented more than 40 posters at various International Scientific Conferences and delivered talks at more than 25 distinguished institutions around the USA and Canada.