

# Chinthalapally V. Rao, Ph.D.

George Lynn Cross Professor



SECTION: Hematology/Oncology  
DEPARTMENT: Internal Medicine  
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Rao has received B.S. degree in Biology and Chemistry; M.S. and Ph.D. degrees in Microbiology from the Osmania University, Hyderabad, India. Dr. Rao joined University of Oklahoma Health Sciences Center 2004 as Professor and Kerley-Cade Endowed Chair in Cancer Research. Previously he held the position of Divisional Chief, Nutritional Carcinogenesis and Leader of Chemoprevention Program at the American Health Foundation (AHF)-Cancer Center, an NCI-designated Cancer Center, Valhalla, New York. Dr. Rao joined the OUHSC as a Leader of Aerodigestive/ Chemoprevention Program (2004-2009); served as Chairman, Scientific Advisory Committee (2006-2009) and Director, Center for Cancer Prevention and Drug Development (2009-Present) at the PC Stephenson Oklahoma Cancer Center. Dr. Rao holds the appointments at the Graduate School and adjunct Professorships at the Department of Pathology and Pharmaceutical Sciences. Dr. Rao has received OU Regents/President awards for "Superior Research and Creative Activity" and "George Lynn Cross Professorship".

## EDUCATION:

**Ph.D.** 1983-1987, Microbiology  
Osmania University, Hyderabad, India

## RESEARCH INTERESTS: *Molecular and Preclinical Approaches to Clinical Prevention of Aerodigestive Tract Cancers:*

- Gastrointestinal Cancers
- Cancer Drug Development
- Cancer Preventive Agents/Vaccines
- Cancer Biomarkers

## RECENT PUBLICATIONS:

- **Rao, C. V.**, Mohammed, A., Janakiram, N.B., Li, Q, Ritchie, R.L., Lightfoot, S, Awasthi, V., and Steele, V.E. (2012). Inhibition of Pancreatic Intraepithelial Neoplasia Progression to Carcinoma by Nitric Oxide-Releasing Aspirin in p48<sup>Cre</sup>.LSL-Kras<sup>G12D/+</sup> Mice. *Neoplasia*. 14(9) 778-787. ([With Cover Page Illustration](#))
- Mohammed, A Janakiram, NB. Li .Q , Lightfoot, S., Steele, V.E. and **Rao, C.V.** (2012). Atorvastatin delays progression of pancreatic lesions to carcinoma by regulating PI3/AKT signaling in p48<sup>Cre</sup>.LSL-Kras<sup>G12D/+</sup> mice. *Int. J Cancer*. 131 (8) 1951-1962 ([With Cover Page Illustration](#)).
- Mohammed, A., Janakiram, N.B., Gali, H, Lightfoot, S., Awasthi, V., and **Rao, C.V.** (2012). Early Detection and Prevention of Pancreatic Cancer: Use of Genetically Engineered Mouse Models and advanced Imaging Technologies. *Current Medicinal Chemistry*;19(12);3701-3713
- Yamada HY, Yao Y, Wang X, Zhang Y, Huang Y, Dai W, **Rao C.V.** (2012) Haploinsufficiency of SGO1 results in deregulated centrosome dynamics enhanced chromosomal instability and colon tumorigenesis. *Cell Cycle*. Feb 1;11(3). PMID: 22262168 ([With Cover page Illustration and two Perceptive articles](#)).
- Janakiram, N.B., Mohammed, A., Bronze, M.S, and **Rao, C.V.** (2012) Prophylactic vaccine approach for colon and pancreatic cancers: Present and Future. *Current Medicinal Chemistry* Vol, 19: 3664-3678.