

CURRICULUM VITAE

CHANDRA MOHAN REDDY TAMATAM

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EDUCATION

B.S	Biological Sciences	1999	Sri Krishnadevaraya University, India
M.S	Biochemistry	2003	Sri Venkateswara University, India
Ph.D	Biotechnology	2010	Acharya Nagarjuna University, India

PROFESSIONAL EXPERIENCE

Jan 2012 – Current	Post Doc Research Associate, Department of Pediatrics, College of Medicine, University of Illinois at Chicago, Chicago, IL.
Jan 2010 – Dec 2011	DBT (Govt. of India) - Post Doc Research Associate, Department of Animal Sciences, University of Hyderabad, India.
Apr 2007 – Mar 2009	Senior Research Fellow, Department of Animal Sciences, University of Hyderabad, India.
Mar 2004 – Feb 2007	Research Assistant, Indo-US (DBT) project, Department of Animal Sciences, University of Hyderabad, India.

PRIMARY RESPONSIBILITIES

Research

PROFESSIONAL ACTIVITIES

Society Memberships

Member, American Thoracic Society

Manuscript Reviewer

Natural Product Reports
Journal of Clinical Respiratory Diseases & care
Journal of Lung Cancer Diagnostics & Treatment
Journal of Bioprocessing & Biotechniques
Journal of Cytology & Histology
Journal of Integrative Oncology
Signal Transduction Insights

Gynecology & Obstetrics
Nuclear Medicine & Radiation Therapy
Surgery: Current Research
Journal of Clinical Respiratory Diseases and Care
Edorium Journal of Pediatrics
Clinical Medicine Reviews in Therapeutics
Lymphoma and Chronic Lymphocytic Leukemias
Cancer Informatics
Drug Targets Insights
Toxicology In Vitro
Toxicology and Applied Pharmacology
Breast Cancer: Basic and Clinical Research
Signal Transduction Insights
Biomarkers in Cancer
Biochemistry Insights
Journal of Cell death
Clinical Medicine Insights: Oncology

HONORS AND AWARDS

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|-----------|-----------------------------------------------------------------------------------------|
| 2009 | Best poster award, CIMAP Golden Jubilee National symposium, IICT, Hyderabad, India. |
| 2010-2011 | National selection of Research Associate Fellowship –Department of Biotechnology, India |
| 2014 | Abstract Scholarship Award, ATS-2014, San Diego, USA. |
| 2014 | Scientific Abstract Award, ATS-2014, San Diego. |

PUBLICATIONS

Peer Reviewed Journal Articles

1. Rajasekaran S*, **Tamatam CR***, Potteti HR, Raman V, Lee JW, Matthay MA, Mehta D, Reddy NM, Reddy SP. (2015). Visualization of Fra-1/AP-1 activation during LPS-induced inflammatory lung injury using fluorescence optical imaging. Am J Physiol Lung Cell Mol Physiol. 309(4):L414-24. Epub 2015 Jun 12. PMID: 26071555. (***Equal First author**).
2. Reddy NM, Potteti HR, Vegi Raju S, Chen HJ, **Tamatam CM**, and Reddy SP. (2015). PI3K-AKT signaling via Nrf2 protects against hyperoxia-induced acute lung injury, but promotes inflammation post-injury independent of Nrf2 in mice. PLoS One. 2015 10(6):e0129676. PMID: 26075390

3. Potteti HR, Rajasekaran S, Rajamohan SB, **Tamatam CR**, Machireddy N, Reddy SP (2015) Sirtuin 1 Promotes Hyperoxia-induced Lung Epithelial Death Independent of NRF2 Activation. *Am J Respir Cell Mol Biol*. 2015 Oct 14. [Epub ahead of print] PMID: 26465873.
4. **Chandramohan Reddy T**, Bharat Reddy D, Aparna A, Arunasree KM, Gupta G, Achari C, Reddy GV, Lakshmipathi V, Subramanyam A, Reddanna P. Anti-leukemic effects of gallic acid on human leukemia K562 cells: Downregulation of COX-2, inhibition of BCR/ABL kinase and NF- κ B inactivation. *Toxicol In Vitro*. 26(3):396-405. PMID: 22245431.
5. **Reddy TC**, Aparoy P, Babu NK, Kumar KA, Kalangi SK, Reddanna P. (2010). Kinetics and docking studies of a COX-2 inhibitor isolated from Terminalia bellerica fruits. *Protein Pept Lett*. 17(10):1251-7. PMID: 20441561.
6. Reddy NP, **Chandramohan Reddy T**, Aparoy P, Achari C, Sridhar PR, Reddanna P. (2012). Structure based drug design, synthesis and evaluation of 4-(benzyloxy)-1-phenylbut-2-yn-1-ol derivatives as 5-lipoxygenase inhibitors. *Eur J Med Chem*. 47(1):351-9. PMID: 22118829.
7. Reddy NP, Aparoy P, **Reddy TC**, Achari C, Sridhar PR, Reddanna P. (2010). Design, synthesis, and biological evaluation of prenylated chalcones as 5-LOX inhibitors. *Bioorg Med Chem*. 15; 18(16):5807-15. PMID: 20667741.
8. Metukuri MR, **Reddy CM**, Reddy PR, Reddanna P. (2010). Bacterial LPS-mediated acute inflammation-induced spermatogenic failure in rats: role of stress response proteins and mitochondrial dysfunction. *Inflammation*. 33(4):235-43. PMID: 20087639.
9. Aparoy P, Kumar Reddy K, Kalangi SK, **Chandramohan Reddy T**, Reddanna P. (2010). Pharmacophore modeling and virtual screening for designing potential 5-lipoxygenase inhibitors. *Bioorg Med Chem Lett*. 20(3):1013-8. PMID: 20045317.
10. Reddy DB, **Reddy TC**, Jyotsna G, Sharan S, Priya N, Lakshmipathi V, Reddanna P. (2009). Chebulagic acid, a COX-LOX dual inhibitor isolated from the fruits of Terminalia chebula Retz., induces apoptosis in COLO-205 cell line. *J Ethnopharmacol*. 124(3):506-12. PMID: 19481594.
11. Sreekanth D, Arunasree MK, Roy KR, **Chandramohan Reddy T**, Reddy GV, Reddanna P. (2007). Betanin a betacyanin pigment purified from fruits of Opuntia ficus-indica induces apoptosis in human chronic myeloid leukemia Cell line-K562. *Phytomedicine*. 14(11):739-46. PMID: 17482444.
12. Rao VK, Reddy SS, Krishna BS, Reddy CS, Reddy NP, **Reddy TCM**, Raju CN and Ghosh SK. (2011). Design, Synthesis and Anti Colon Cancer Activity Evaluation of Phosphorylated Derivatives of Lamivudine (3TC). *Letters in Drug Design & Synthesis*, 8 (1), 59-64.
13. Achari C, Reddy GV, **Reddy TC**, Reddanna P. (2011). Chebulagic acid synergizes the cytotoxicity of doxorubicin in human hepatocellular carcinoma through COX-2 dependant modulation of MDR-1. *Med Chem*. 7(5):432-42. PMID: 21801152.
14. Kumar KA, **Reddy TC**, Reddy GV, Reddy DB, Mahipal SV, Sinha S, Gaikwad AN, Reddanna P. (2011). High-throughput screening assays for cyclooxygenase-2 and 5-lipoxygenase, the targets for inflammatory disorders. *Indian J Biochem Biophys*. 48(4):256-61. PMID: 22053694.