

Name **Sailesh Surapureddi, Ph.D.**

Citizenship	Naturalized American Citizen
--------------------	------------------------------

Business Address National Institute of Environmental Health Sciences
P.O. Box 12233
Research Triangle Park, North Carolina 27709
(919) 541-4244 (W), 919-597-9180 (C)
Email (s): surapureddis@niehs.nih.gov
surapureddi@gmail.com

Education

Ph.D. School of Life Sciences, University of Hyderabad, India	1989 – 1995
MS. School of Life Sciences, University of Hyderabad, India	1987 – 1989
BS. Chemistry and Biology., Andhra University, India.	1984 – 1987

Employment and Experience

Staff Scientist , LTP, NIEHS, NIH, Supervisor: Dr. Joyce A Goldstein	2006-Present
Assistant Professor , (Research) Northwestern University Advisor: Prof. Janardan K Reddy	2004 – 2006
Research Associate , Northwestern University Advisor: Prof. Janardan K Reddy	1999 – 2004
Post doctoral fellow , H��ls��nuniversitet, Link��ping, Sweden. Advisor: Prof. Sven Hammarstrom	1995 – 1999

Teaching and Mentoring

Human Metabolism Group, NIEHS : 6 Postdocs and 3 Summer Trainees
Northwestern University : 4 Postdocs and 4 Graduate Students
Linköping University : 4 Grad Students

Responsibilities

Current Employment 2006- Present

Staff Scientist, Human Metabolism Group, **Laboratory of Toxicology and Pharmacology**, National Institute of Environmental Health Sciences (NIEHS), National Institute of Health (NIH), Research Triangle Park, North Carolina, USA.

Effectively mentored, trained and supervised six post-doctoral Fellows, three summer students and two Biologists in the study of environmental exposure mediated gene regulation in unraveling regulatory mechanisms for multiple projects as related to toxicology, pharmacology and impaired metabolism; research resulted in strong conclusions and involvement with relevant publications.

Utilized state-of-the-art molecular/genetics/protein chemistry approaches to study the regulation of CYP2C genes in xenobiotic and drug metabolism. Identified multiple cofactors that interact with nuclear receptors (Mass spectrometry and yeast two hybrid) as crucial transcription regulation segment responsible for gene induction/regulation.

Identified the role of NCOA6 in coupling CAR/PXR and HNF4 α for the synergistic induction of drug-metabolizing enzymes (CYP2Cs) and bile acid transporter genes in Cholestasis. (Molecular Pharmacology 74(3): 913-923, 2009; Pharmacological Research 63(5): 405-413, 2011; American Journal of Physiology-Gastrointestinal and Liver Physiology 300(5): G771-G781, 2011).

Identified functional significance of epigenetic modification on CYP2C promoter (DNA [CpG] modifications and promoter bound histones).

Developed a niche area, novel hypothesis that a cofactor might be essential for conferring selective gene specificity; characterized the functional interaction between Med25 and HNF4 α , responsible for recruitment of RNA Pol II specifically in regulating xenobiotic and lipid metabolism (Molecular and Cellular Biology 31(3): 466-481, 2011. Equal Authorship).

Identified an unusual role for Med25 in altering chromatin conformation by modulating the epigenetic regulation of H3K27 modification as determined by Formaldehyde Assisted Isolation of Regulatory Elements (FAIRE) and Chromatinimmuno precipitation (ChIP) (J Biol Chem. 2014 Nov 12. pii: jbc.M114.579474.)

Skillfully led research projects that identified regulatory role of MicroRNAs by identifying gaps in field; specifically identified the role of MicroRNAs (103/107) regulating drug metabolizing enzymes CYP2Cs (Molecular Pharmacology 82(3):529-40, 2012. Equal Authorship).

Provided strong and extensive collaboration in identifying/characterizing involvement of AP-1 AP-1 (c-Jun/c-Fos) in the Regulation of Murine Aldehyde dehydrogenase 1a1. (Molecular Pharmacology 82(4):601-13, 2012) and Regulation of CYP2C9 expression by electrophilic stress involving AP-1 activation and DNA Looping (Molecular Pharmacology Aug;86(2):125-37 2014).

Developed Fruit fly Toxicology (Drosophila Melanogaster). Down regulating Med25 and Med1 cofactors by RNAi, lead to development of susceptible flies that were and would be highly useful for Fly Tox screening as a cost benefit tool for preliminary analysis.

Employed state-of-the-art techniques (Deep Sequencing of FAIRE DNA and RNA) in developing projects to identify global functional regulatory networks.

Developed core functional reagents for Hepatocyte-Specific Deletion of SIRT1 Alters Fatty Acid Metabolism that Results in Hepatic Steatosis and Inflammation (Cell Metabolism 9(4): 327-338, 2009).

Oversaw significant independent research projects in Human Metabolism group as described above and published in peer reviewed and high impact journals. Additionally represented in EMBO Nuclear Receptor meetings (international), Keystone meetings, ISSX and MDO meetings every year from NIEHS; was ad hoc reviewer of pharmacology journals (Mol. Pharm. DMD and Current Drug metabolism).

Northwestern University, Chicago, IL.
Assistant Professor (Research)

2004 -2006

Provided outstanding leadership to Protein Characterization Group, with responsibilities involving researching Peroxisome Proliferator Activated Receptor alpha dependent gene regulation in fatty acid oxidation and its role in multifaceted patho-physiological conditions.

Efficiently developed Chromatin Immunoprecipitation technique and adopted protein-protein interaction assays utilized by entire laboratory to characterize the functional significance of cofactors in nuclear receptor-based gene regulations. Adopted MALDI-TOF as main protein identification component that led to discovery of multiple cofactors that interact with PPARs. Identified PRIC320, a transcription coactivator, isolated from peroxisome proliferator-binding protein complex, BBRC 343(2): 535-543, 2006. Spearheaded project on Cidea, A mitochondrial cell death-inducing DNA fragmentation factor alpha-like effector A, in mouse liver by peroxisome proliferator-activated receptor alpha and gamma. JBC 282(25): 18613-18624, 2007.

Took lead role in designing various experiments and reagents to understand p53 Mediates amosite asbestos-induced alveolar epithelial cell mitochondria-regulated apoptosis. AJRCMB (Red Journal) 34(4): 443-452, 2006. (Cover page Article).

Identified the interaction and functional significance between xenobiotic receptors CAR and Coactivator Med1, deficiency of which abrogates acetaminophen hepatotoxicity. PNAS 102(35): 12531-12536, 2005.

Identified Transcription coactivator PBP/Med1 is required for PPAR alpha-regulated gene expression in liver. JBC 279(23): 24427-24434, 2004.

Developed PRIC285, PRIC320 Knockout mice and Urate Oxidase (UOX) transgenic mice

Successfully published 14+ papers in peer-reviewed, high impact journals (PNAS, JBC etc).

Northwestern University, Chicago, IL.
Senior Research Associate

1999-2004

Tasked with comprehensive responsibilities for conducting research as well as overseeing project involvement activities of graduate/undergraduate students. Identified PPAR α bound protein complex, involved in gene specific transcription and regulation by PPAR and Nuclear Receptor Cofactors. PNAS 99(18): 11836-11841, 2002.

Collaborated to characterize a partial agonist of peroxisome proliferator-activated receptor gamma as a potent antidiabetic thiazolidinedione yet weakly adipogenic. JPET 306(2): 763-771, 2003.

Identified functional role of PRIP/NCOA6 in PPAR γ mediated adipogenesis. JBC 278(28): 25281-25284, 2003.

Additionally developed array of data and proposals for two NIH-funded projects and developed multiple Request for Funding proposals submitted to various organizations.

Halsöuniversitet, Linköping University, Sweden
Post-Doctoral Fellow

1995-1999

Responsible for conducting research of MFR-Sweden funded projects and trained graduate students in molecular biology and lipid chemistry.

Cloned, Leukotriene C₄ Synthase that specifically catalyzes the conversion of unstable epoxides to stable peptido leukotrienes.

Established the mechanistic regulation of leukotriene biosynthesis.

Identified novel compounds of lipoxygenase pathway that act as ligands for PPARs in a tissue specific manner in atherosclerosis.

University of Hyderabad, Hyderabad, India.

1991-1995

Doctoral Student

Responsible for conducting research of Dept. of Biotechnology and Dept. of Science and Technology sponsored projects.

Identified and characterized a unique lipoxygenase pathway operating specifically in Uterus.
Demonstrated the role of eicosanoids in androgen biosynthesis and regulation.
Identified unique lipoxygenase products in regulation of growth in normal and cancerous tissue.

**S.V.University, Tirupati, India,
Research Fellow**

1989-1991

Responsible for conducting research for CSIR- India sponsored project
Biosynthesis of Eicosanoids using enzymatic and organic reactions.

Honors and Awards

Recipient of the University Grants Commission Fellowship, India (1989-1994)

Swedish Institute Fellowship (1995–1996)

Cancer Foundation (Sweden) Fellowship (1996–1998)

Illinois Governor's teaching award for Inculcating

Scientific Interest in Young Minds, (2004)

Service Responsibilities

NIEHS Promotion Committee for Biologist, GS-12 (COP-III)

2009 – 2012

Ad-hoc Reviewers for NIEHS, Internal review process

Ad-hoc Reviewers for Pharmacology Journals. (DMD, Mol. Pharm)

Memberships

International Soc. for the Study of Xenobiotics; (#13351329)

2010- Present

Member of American Association for the Advancement of Science.

Member of Association of Investigative Pathology (FASEB).

Member of Federation for Biochemistry and Molecular biology, Sweden.

Member of Indian Society for Biological Chemists

Member of Indian Society for Life Science

Member of Indian Society for Research on Poly unsaturated Fatty acids

Major Invited Talks

Summer Seminar series, Integrative Medical Sciences, NEOMED, 2010.

19th MDO Meeting and 12th European ISSX Meeting, Noordwijk aan Zee, The Netherlands

Summer Seminar Series, Laboratory of Toxicology and Pharmacology, NIEHS (2008 and 2011)

Department of Biochemistry, Univ of Burgone, France. Invited talk. May 26, 2014.

Scientific Interest Groups

Nuclear Receptor mediated Gene Regulation
(Specifically in Xenobiotic and Drug Metabolism).

Cofactor and Nuclear Receptor derived cell and gene specificity
MicroRNA regulation of Drug metabolizing enzymes/proteins
Epigenetic regulation of Drug metabolizing enzymes/proteins

Major Research Interests/Expertise

Isolation and Identification of the Transcriptional complex binding to nuclear receptors and their regulatory role in Receptor dependent gene expression.

Proteomics:

Identification of Proteins and post translational modifications (PTMs) by Mass Spectrometry (MALDI-TOF, LCQ-MS/MS).

Recruitment analysis of Cofactors on gene promoters by chromatin immunoprecipitation (ChIP) and EMSAs. GST pull downs, Protein-protein interactions, Far westerns, Immunoprecipitation, Complex protein interactions and purifications.

Adenovirus preparation and purification,

Heterologous expression of recombinant proteins

Genomics:

FAIRE (Formaldehyde Assisted Isolation of Regulatory Elements).

ChIP-Seq, RNA-seq

Genetic yeast two-hybrid assay and screening.

Mammalian two-hybrid assays

Promoter assays, site-directed mutagenesis

Gene knockdown by constructing shRNA adenoviral vectors and assess using advanced PCR (q-RT-PCR) techniques

Development of mouse and drosophila knock out models

Cloning of nucleosomal cofactor complex proteins

Biomolecules:

Leukotriene C₄ Synthase molecular biology

Biosynthesis of arachidonic acid metabolites

Eicosanoids, their metabolic fate and regulation

Functional role of eicosanoids in cancer, growth and reproduction

Identifying and developing targets for future pharmacological applications.

List of Publications

1. Neal A. Englert, George Luo, Joyce A. Goldstein and **Sailesh Surapureddi**
Epigenetic Modification of Histone 3 Lysine 27 – MED25 is required for the Dissociation of Polycomb Repressive Complex 2 from the Promoters of Cytochrome P450 Genes.
***Journal of Biological Chemistry* 2014 Nov 12. pii: jbc.M114.579474.**
2. N.L. Makia, **S. Surapureddi**, K Monostory, R.A. Prough and J.A. Goldstein.
Regulation of Human CYP2C9 Expression by Electrophilic Stress Involves AP-1 Activation and DNA Looping. ***Molecular Pharmacology* 86(2): 125-37 2014.**
3. Mustapha Cherkaoui-Malki, **Sailesh Surapureddi**, Hammam El Hajj, Joseph Vamecq and Pierre Andreoletti Hepatic steatosis and peroxisomal fatty acid beta-oxidation.
***Current Drug Metabolism* 13(10):1412-21, 2012.**

4. Shu-Yun Zhang*, **Sailesh Surapureddi***, Sherry Coulter, Stephen Ferguson and Joyce A. Goldstein. Human CYP2C8 is post-translationally regulated by micro-RNAs 103 and 107 in human liver. **Molecular Pharmacology** **82**(3):529-40, 2012. (* Equal Authorship)
5. N.L. Makia, I. Amunom, K.C. Falkner, D. J. Conklin, **S. Surapureddi**, J.A. Goldstein, and Russell A. Prough AP-1 (c-Jun/c-Fos) Regulation of Murine Aldehyde dehydrogenase 1a1. **Molecular Pharmacology** **82**(4):601-13, 2012.
6. **Surapureddi S**, Rana R and Goldstein JA. NCOA6 differentially regulates the expression of the CYP2C9 and CYP3A4 genes. **Pharmacological Research** **63**(5): 405-413, 2011.
7. Rana R*, **Surapureddi S***, Kam W, Ferguson S and Goldstein JA. Med25 Is Required for RNA Polymerase II Recruitment to Specific Promoters, Thus Regulating Xenobiotic and Lipid Metabolism in Human Liver. **Molecular and Cellular Biology** **31**(3): 466-481, 2011. (* Equal Authorship)
8. Rana R, Chen YP, Ferguson SS, Kissling GE, **Surapureddi S** and Goldstein JA Hepatocyte Nuclear Factor 4 alpha Regulates Rifampicin-Mediated Induction of CYP2C Genes in Primary Cultures of Human Hepatocytes. **Drug Metabolism and Disposition** **38**(4): 591-599, 2010.
9. Ananthanarayanan M, Li YF, **Surapureddi S**, Balasubramanian N, Ahn J, Goldstein JA and Suchy FJ. Histone H3K4 trimethylation by MLL3 as part of ASCOM complex is critical for NR activation of bile acid transporter genes and is downregulated in cholestasis. **American Journal of Physiology-Gastrointestinal and Liver Physiology** **300**(5): G771-G781, 2011.
10. Panduri V, Liu G, **Surapureddi S**, Kondapalli J, Soberanes S, de Souza-Pinto NC, Bohr VA, Budinger GRS, Schumacker PT, Weitzman SA and Kamp DW. Role of mitochondrial hOGG1 and aconitase in oxidant-induced lung epithelial cell apoptosis. **Free Radical Biology and Medicine** **47**(6): 750-759, 2009.
11. Purushotham A, Schug TT, Xu Q, **Surapureddi S**, Guo XM and Li XL. Hepatocyte-Specific Deletion of SIRT1 Alters Fatty Acid Metabolism and Results in Hepatic Steatosis and Inflammation. **Cell Metabolism** **9**(4): 327-338, 2009.
12. **Surapureddi S**, Rana R, Reddy JK and Goldstein JA. Nuclear receptor coactivator 6 mediates the synergistic activation of human cytochrome P-450C9 by the constitutive androstane receptor and hepatic nuclear factor-4 alpha. **Molecular Pharmacology** **74**(3): 913-923, 2009.
13. Chung C, Doll JA, Stellmach VM, Gonzales J, **Surapureddi S**, Cornwell M, Reddy JK and Crawford SE. Pigment epithelium-derived factor is an angiogenesis and lipid regulator that activates peroxisome proliferator-activated receptor alpha, in **Hormonal Carcinogenesis** V (Li JJ, Li SA, Mohla S, Rochefort H and Maudelonde T eds) pp 591-597, 2008.
14. Panduri V, **Surapureddi S**, Soberanes S, Weitzman SA, Budinger S, Schumacker P and Kamp DW. A mitochondria-targeted DNA repair enzyme, hOgg-1, prevents oxidant-induced A549 cell apoptosis by preserving mitochondrial aconitase. **Journal of Investigative Medicine** **55**(2): S350-S350, 2007.
15. Viswakarma N, Yu S, Naik S, Kashireddy P, Matsumoto K, Sarkar J, **Surapureddi S**, Jia Y, Rao MS and Reddy JK. Transcriptional regulation of Cidea, mitochondrial cell death-inducing DNA fragmentation factor alpha-like effector A, in mouse liver by peroxisome proliferator-activated receptor alpha and gamma. **Journal of Biological Chemistry** **282**(25): 18613-18624, 2007.

16. Panduri V, **Surapureddi S**, Soberanes S, Weitzman SA, Chandel N and Kamp DW. p53 Mediates amosite asbestos-induced alveolar epithelial cell mitochondria-regulated apoptosis. **American Journal of Respiratory Cell and Molecular Biology** **34**(4): 443-452, 2006. (Cover page Article)
17. **Surapureddi S**, Viswakarma N, Yu S, Guo DS, Rao MS and Reddy JK. PRIC320, a transcription coactivator, isolated from peroxisome proliferator-binding protein complex. **Biochemical and Biophysical Research Communications** **343**(2): 535-543, 2006.
18. Jia YZ, Guo GL, **Surapureddi S**, Sarkar J, Qi C, Guo DS, Xia J, Kashireddi P, Yu ST, Cho YW, Rao S, Kemper B, Ge K, Gonzalez FJ and Reddy JK. Transcription coactivator peroxisome proliferator-activated receptor-binding protein/mediator 1 deficiency abrogates acetaminophen hepatotoxicity. **Pr of the United States of America** **102**(35): 12531-12536, 2005.
19. Jia YZ, Qi C, Kashireddi P, **Surapureddi S**, Zhu YJ, Rao MS, Le Roith D, Chambon P, Gonzalez FJ and Reddy JK. Transcription coactivator PBP, the peroxisome proliferator-activated receptor (PPAR)-binding protein, is required for PPAR alpha-regulated gene expression in liver. **Journal of Biological Chemistry** **279**(23): 24427-24434, 2004.
20. Misra P, Chakrabarti R, Vikramadithyan RK, Bolusu G, Juluri S, Hiriyani J, Gershon C, Rajjak A, Kashireddi P, Yu ST, **Surapureddi S**, Qi C, Zhu YJ, Rao MS, Reddy JK and Ramanujam R. PAT5A: A partial agonist of peroxisome proliferator-activated receptor gamma is a potent antidiabetic thiazolidinedione yet weakly adipogenic. **Journal of Pharmacology and Experimental Therapeutics** **306**(2): 763-771, 2003.
21. Qi C, **Surapureddi S**, Zhu YJ, Yu ST, Kashireddi P, Rao MS and Reddy JK. Transcriptional coactivator PRIP, the peroxisome proliferator-activated receptor gamma (PPAR gamma)-interacting protein, is required for PPAR gamma- mediated adipogenesis. **Journal of Biological Chemistry** **278**(28): 25281-25284, 2003.
22. Soderstrom M, Wigren J, **Surapureddi S**, Glass CK and Hammarstrom S. Novel prostaglandin D-2-derived activators of peroxisome proliferator-activated receptor-gamma are formed in macrophage cell cultures. **Biochimica Et Biophysica Acta-Molecular and Cell Biology of Lipids** **1631**(1): 35-41, 2003.
23. Wigren J, **Surapureddi S**, Olsson AG, Glass CK, Hammarstrom S and Soderstrom M. Differential recruitment of the coactivator proteins CREB-binding protein and steroid receptor coactivator-1 to peroxisome proliferator-activated receptor gamma/9-cis-retinoic acid receptor heterodimers by ligands present in oxidized low-density lipoprotein. **Journal of Endocrinology** **177**(2): 207-214, 2003.
24. **Surapureddi S**, Yu ST, Bu HF, Hashimoto T, Yeldandi AV, Kashireddi P, Cherkaoui-Malki M, Qi C, Zhu YJ, Rao MS and Reddy JK. Identification of a transcriptionally active peroxisome proliferator-activated receptor alpha-interacting cofactor complex in rat liver and characterization of PRIC285 as a coactivator. **Proceedings of the National Academy of Sciences** **99**(18): 11836-11841, 2002.
25. **Surapureddi S**, Svartz J, Magnusson KE, Hammarstrom S and Soderstrom M. Colocalization of leukotriene C synthase and microsomal glutathione S-transferase elucidated by indirect immunofluorescence analysis. **FEBS Letters** **480**(2-3): 239-243, 2000.
26. **Surapureddi S**, Morgenstern R, Soderstrom M and Hammarstrom S Interaction of human leukotriene C-4 synthase and microsomal glutathione transferase in vivo. **Biochemical and Biophysical Research Communications** **229**(2): 388-395, 1996.

27. Jayadeep, A., **Surapureddi, S.**, Vijay-Kumar. K., Ramesh. G., Das.U.N., Reddanna.P.: Identification of Prostaglandins involved in cell aggregations in the regenerating vertebrate appendages. **Prost. Leuk Essen Fatty Acids**. 52(4): 235-239, 1995.
28. **Surapureddi, S.**, Kiran-Kumar. Y.V., Prasad, M., and Reddanna,.P.: Sheep uterus dual lipoxygenase in the synthesis of 14, 15-leukotrienes. **Arch of Bio. and Biophys**, 315(2):362-368, 1994.
29. Jayadeep, A., **Surapureddi, S.**, Reddanna, P., and Menon, V.P.: Prostaglandin metabolism during cell aggregation in the regenerating vertebrate appendages., **Develop Growth & Differ**. 35(5): 665-670, 1993.
30. Kiran-Kumar, Y.V., Raghunathan. A., **Surapureddi, S.**, Prasad, M., Mohan, C., Vemuri, and Reddanna, P.: Differential effects of 15-HPETE and 15-HETE on the BHK-21 cell proliferation and macromolecular composition. **Biochim et Biophys Acta** 1167: 102-108, 1993.
31. Reddy, G.P., Prasad, M., **Surapureddi, S.**, Kiran-Kumar. Y.V., and Reddanna, P.: Arachidonic acid metabolites as intra testicular factors controlling the androgen reproduction. **Intl. J. of Andrology**, 16(3): 227-233, 1993.
32. Reddy, G.P., Prasad, M., **Surapureddi, S.**, Kiran-Kumar, Y.V., and Reddanna, P.: The production of arachidonic acid metabolites in rat testis. **Prostaglandins** 44: 497-507, 1992.
33. Kiran-Kumar, Y.V., Surapureddi, S., Prasad, M., and Reddanna, P.: Identification and product profiles of some plant lipoxygenases. **Biochem. Archiv**. 8: 17-22, 1992.

Papers in proceedings

1. Zhang, Shu-Yun; Surapureddi, Sailesh; Goldstein, Joyce A. PKC phosphorylation of Med25 is critical for Mediator assembly: Implications for HNF4 alpha signaling in drug metabolism. **Faseb Journal**. Volume: 27 Meeting Abstract: 1180.1 Published: APR 2013
2. Goldstein JA, Rana R and **Surapureddi S**. Applications of siRNA to resolve mechanisms of regulation of drug metabolizing enzymes through nuclear receptors and coactivators. **Drug Metabolism Reviews** 43: 20-21, 2011.
3. Zhang, Shu-Yun; **Surapureddi, Sailesh**; Goldstein, Joyce A. MicroRNAs 103 and 107 regulate the expression of Human Cytochrome P450 2C8. **Faseb Journal**. Volume: 25 Published: APR 2011.
4. **Surapureddi S**, Rana R and Goldstein JA. Med25 as a coactivator of HNF4 alpha, reveals vital role in RNA Polymerase II recruitment and defective drug metabolism in human liver. **Drug Metabolism Reviews** 42: 157-158, 2010.
5. Ananthanarayanan M, Li YF, Walsh M, **Surapureddi S**, Goldstein J and Suchy FJ. Identification Of Nuclear Receptor Coactivator 6 (Ncoa6/Asc-2) And Mixed Myeloid Lineage Leukemia 3 (Mll3), A Histone H3k4 Methyl Transferase, As Partners Of The Ascom Complex In Fxr Transactivation Of Bsep Promoter. **Hepatology** 50(4): 662A-662A, 2009.
6. **Surapureddi S**, Viswakarma N, Yu S, Guo DS and Reddy JK. Isolation and characterization of PRIC320, a transcriptional coactivator, from a peroxisome proliferator-binding protein complex. **Faseb Journal** 20(4): A229-A229, 2006.

7. Viswakarma N, **Surapureddi S**, Kashireddy P, Rao MS and Reddy JK Transcriptional regulation of cidea in mouse liver by PPAR alpha and PPAR gamma. **Faseb Journal** **20**(4): A228-A228, 2006.
8. Hammarstrom S, Trinks C, Wigren J, **Surapureddi S**, Soderstrom M and Glass CK. Novel eicosanoid activators of PPAR gamma formed by raw 264.7 macrophage cultures, in **Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury**, 5 (Honn KV, Marnett LJ, Nigam S, Dennis E and Serhan C eds) 507: 343-349, 2002.

Papers In Scientific Congress

1. **Surapureddi, S.**, Kumar, K., Prasad, M., Reddanna. P.: Structural and functional relationship of potato and uterine lipoxygenases. Presented at New Delhi, India. IUPAC-NOST meetings, 1993.
2. **Surapureddi, S.**, Kumar, K., Prasad, M., Reddanna. P.: Novel leukotriene synthesis and physiological importance. Presented at Hyderabad, India. Proc. of Life Sci. meetings, 1993.
3. **Surapureddi, S.**, Söderström, M., and Hammarström, S.: Interaction of human leukotriene C₄ synthase and microsomal glutathione transferase *in vivo*. Presented at Vienna, Austria. Prost. Leuko. and Essen.Fatty acids. Vol 55, supplement 1, 1996.
4. **Surapureddi, S.**, Waldén, M., Söderström, M., and Hammarström, S.: Tissue specific and heterologous expression of leukotriene C₄ synthase. Presented at La Jolla, California. 5th International Conference of Eicosanoids & Other Bioactive Lipids in Cancer, Inflammation and Related Diseases, 1997.
5. **Surapureddi, S.**, Waldén, M., Söderström, M., and Hammarström, S.: Molecular cloning and characterization of a novel microsomal glutathione transferase interacting protein. Presented at La Jolla, California. 5th International Conference of Eicosanoids & Other Bioactive Lipids in Cancer, Inflammation and Related Diseases, 1997.
6. **Surapureddi, S.**, Yu, S., Yeldandi, A.V., Rao, M.S., and Reddy, J.K.: Identification of a transcriptionally active peroxisome proliferator-activated receptor interacting complex in rat liver and characterization of PRIC285 as a coactivator. Presented at FASEB Summer Research Conference on Mechanism of Liver Growth Differentiation and Molecular Pathogenesis of Hepatic Diseases. Snowmass, Colorado, 2002.
7. **Surapureddi, S.**, Viswakarma, N., Yu, S., Guo, D., Rao, M.S., and Reddy, J.K.: PRIC320, a transcription coactivator, isolated from peroxisome proliferator-binding protein complex. Presented at FASEB-ASIP, San Francisco, CA, 2006.
8. Panduri, V., **Surapureddi, S.**, Soberanes, S., Weitzman, S.A., Chandel, N., and Kamp, D.W.: A mitochondrial mechanism for preventing oxidant-induced apoptosis: 8-oxoguanine DNA glycosylase protects aconitase. Presented at American Lung Biology Conference in San Diego, 2006.
9. **Surapureddi, S.**, Rana, R., Reddy, J.K., and Goldstein, J.A.: Transcriptional coactivator NCOA6 mediates the synergistic action of CAR and HNF4 α in CYP2C9 gene regulation. Nuclear Receptors-Orphan Brothers. Presented at Keystone symposia at Whistler, British Columbia, Canada, 2008.

10. **Sailesh Surapureddi**, Ritu Rana and Joyce Goldstein. The Coactivator NCOA6 Mediates The Synergistic Activation of Human Cytochrome P-450 2C9 by the Constitutive Androstane Receptor And Hepatic Nuclear Factor-4 α . 17th International Symposium on Microsomes and Drug Oxidations (6-10 July, 2008 - Saratoga Springs, NY, USA)
11. Rana R., Ho, W.K., Ferguson, S.S., Goldstein, J.A., **Surapureddi, S.**: Targeted silencing of Med25 reveals vital role for RNA polymerase II recruitment and defective xenobiotic signaling and lipid metabolism in human liver. Presented at EMBO conference on Nuclear Receptors from molecular mechanisms to molecular medicine, Dubrovnik, Croatia, 2009.
12. **Surapureddi, S.**, Rana, R., and Goldstein, J.A.: Med25 as a coactivator of HNF4 α , reveals vital role in RNA polymerase II recruitment and defective drug metabolism in human liver. Presented at 9th International meeting of ISSX, Istanbul, Turkey, 2010.
13. **Sailesh Surapureddi**, Ritu Rana and Joyce Goldstein. Med25 dictates Pol II Recruitment to Specific Promoters Regulating Xenobiotic and Lipid Metabolism. EMBO conference on Nuclear Receptor Meeting from molecular mechanism to health and disease. Barcelona, Spain, 2011.
14. **Sailesh Surapureddi**, Shuyun Zhang and Joyce Goldstein. Human CYP2C8 is post-translationally regulated by micro-RNAs 103 and 107 in human liver. 19th MDO Meeting and 12th European ISSX Meeting, Noordwijk aan Zee, The Netherlands. (**Platform and Poster presentation**).
15. Neal Englert, Joyce A Goldstein and **Sailesh Surapureddi**. CYP2C9 Regulation By Epigenetic Modification Of Histone-3 (H3) Involvement Of Mediator Complex. 18th International Conference on Cytochrome P450. Seattle, WA. 2013.
16. Neal Englert, Joyce A Goldstein and **Sailesh Surapureddi**. Epigenetic Modification of Histone 3 Lysine 27 – MED25 is Required for the Dissociation of Polycomb Repressive Complex 2 from the Promoters of Cytochrome P450 Genes. Microsomes and Drug Oxidations, Stuttgart, Germany. May 18-22, 2014.
17. **Sailesh Surapureddi** and Joyce A Goldstein. Novel Mechanism to Sequester Tr. Factors (HNF4 α) from Phase I Gene Promoters. Microsomes and Drug Oxidations, Stuttgart, Germany. May 18-22, 2014.

List of References

Dr. Joyce A Goldstein. Ph.D.

Human Metabolism Group
Laboratory of Toxicology and Pharmacology
National Institute of Environmental Health Science
PO Box 12233
Research Triangle Park, North Carolina 27709
Tel 919-541-4495
Fax 919-541-4107
email: goldste1@niehs.nih.gov

Prof. Janardan K. Reddy, MD

Department of Pathology
Northwestern University Feinberg School of Medicine
303 East Chicago Avenue
Chicago, IL 60611-3008
Ph: 312/503-8144
Fx: 312/503-8249
Email: jkreddy@northwestern.edu

Dr. David S. Miller. Ph.D.

Chief, Laboratory of Toxicology and Pharmacology
National Institute of Environmental Health Science
Research Triangle Park, North Carolina 27709
Tel (919) 541-3235
Fax (919) 541-4571
Email: miller28@niehs.nih.gov

Prof. Sven Hammarström, MD

Division of Cell Biology, Department of Clinical and Experimental Medicine,
Linköping University, SE-58185 Linköping, Sweden
Ph: + Tel: +46-13-224277
Fax: +46-13-224149
Email: sven.hammarstrom@liu.se

Dr. James M. Mason, Ph.D.

Drosophila Chromosome Structure Group
Laboratory of Molecular Genetics
Tel (919) 541-4483
Fax (919) 541-7593
Email: masonj@niehs.nih.gov