

Biographical Data (Short Version)

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Venu Cheriya

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Current Position

- Associate Professor, Texas A&M University-Commerce, Commerce, USA, 2017, September – Present

Previous Positions

- Assistant Professor, Texas A&M University-Commerce, Commerce, USA, 2011.9 – 2017.9
- Project Scientist, Taussig Cancer Center, Cleveland Clinic, Cleveland, USA, 2004 – 2011
- Senior Scientist, Department of Molecular Biology, Athersys Inc., Cleveland, USA 2004 – 2004
- Scientist, Department of Molecular Biology, Athersys Inc., Cleveland, USA 2001 – 2004
- Research Associate, Tufts University School of Medicine, Boston, USA, 1999 – 2001

Degrees

- Ph.D. (Biochemistry), Indian Agricultural Research Institute, New Delhi, 1997, (Thesis, Gold Medal)
- M.Sc. (Biochemistry), Indian Agricultural Research Institute, New Delhi, 1993 – Thesis
- B.Sc. (Agriculture), Indian Agricultural Research Institute, New Delhi, 1989

Executive Training

- Supervisory Leadership Certificate, Cleveland State University, Cleveland, USA, 2003
- Dynamic Goal Setting, Cuyahoga Community College, Cleveland, USA, 2003
- Performance Management Training, Cuyahoga Community College, Cleveland, USA, 2002
- NIH Postdoctoral Fellowship, Tufts University School of Medicine, Boston, USA, 1996 – 1999
- Doctoral Senior Research Fellowship, Council of Scientific and Industrial Research (1995-96)
- Doctoral Junior Reserach Fellowship, Indian Agricultural Research Institute (1993-95)
- Graduate Reserach Fellowship, Indian Agricultural Research Institute (1991-93)

Grants, Awards, Fellowships, and Honors (Since Joining Texas A&M University-Commerce) – Total \$347, 923

- National Institute of Health (1R03CA198630-01, Amount: \$147, 700), 2015 – 2017
- National Institute of Health (1R03CA202427-01, Amount: \$140, 023), 2015 – 2017
- Joint Admission Medical Program, Texas (Amount: \$8, 000), 2015 – 2016
- TAMUC Faculty Research Enhancement Program Grant (Amount: \$9, 950), 2014 – 2015
- TAMUC Faculty Research Enhancement Program Grant (Amount: \$10, 300), 2013 – 2014
- TAMUC Faculty Research Enhancement Program Grant (Amount: \$18, 000), 2012 – 2013
- TAMUC Undergraduate Research Grants (Amount: \$11, 500), 2011 – 2015
- BetaBetaBeta Undergraduate Research Grant (Amount: \$700), 2013 – 2014

Honors and Awards

- Paul W. Barrus Distinguished Faculty Award for Teaching, 2015
- TAMUC Junior Faculty Award for Excellence in Research, 2014
- National Academies Education Fellow in the Life Sciences, 2013
- TAMUC Outstanding Faculty Research Presentation (First Place), 2012
- ISICR Seymour Milstein Travel award, 2008, 2007, and 2006
- Scott Hamilton CARES Research Scholar Award, 2008

- Keystone Symposia Travel Award, 2001
- Nominated for Director's Gold Medal Competition for best Ph.D. Thesis Work, 1996
- Indian Council for Scientific and Industrial Senior Research Fellowship, 1994 – 1996
- Third Rank in All India National Agricultural Research Service Examination, 1995
- Third Rank in All India National Eligibility Test for Lectureship, 1995
- Indian Agricultural Research Institute Senior Research Fellowship, 1993 – 1994
- Indian Agricultural Research Institute Junior Research Fellowship, 1991 – 1993

Scientific Publications

- Scientific Journals: 27 peer reviewed articles in referred journals and 66 papers in conferences
- Reviewed a book

Peer Reviewed Publications (Since Joining Texas A&M University-Commerce)

1. Cheriya V, Kaur J, Davenport A, Khaleel A, Chowdhury N, and Gaddipati L. G1P3 (IFI6), a mitochondrial localised antiapoptotic protein, promotes metastatic potential of breast cancer cells through mtROS. *Br J Cancer*. 2018 Jun 14; PMID: 29899394, *Impact Factor: 5.950* <https://www.nature.com/articles/s41416-018-0137-3>
2. Cheriya V. Daidzin-rich Soy Isoflavone Extracts Promote Estrous Cycling in VCD- induced Menopause Mouse Model. *Nutr Food Sci Int J [Internet]*. 2018 Jan 19 [cited 2018 Aug 14];4(4). <http://juniperpublishers.com/nfsij/NFSIJ.MS.ID.555644.php>
3. Davenport A, Bivona A, Latson W, Lemanski LF, and Cheriya V. Loss of Maspardin Attenuates the Growth and Maturation of Mouse Cortical Neurons. *Neurodegener Dis*. 2016;16(3–4):260–72. PMID: 26978163 <https://www.karger.com/Article/Abstract/443666>, *Impact Factor: 3.51*
4. Johnson KA, Vemuri S, Alshafi S, Castillo R, and Cheriya V. Glycone-rich Soy Isoflavone Extracts Promote Estrogen Receptor Positive Breast Cancer Cell Growth. *Nutr Cancer*. 2016 Apr 4;1–12. PMID: 27043076, *Impact Factor: 2.53*
5. Cheriya*, V., Kuhns, M. A., Jacobs, B. S., Evangelista, P., Elson, P., Downs-Kelly, E., Tubbs, R., and Borden, E. C. (2012). G1P3, an interferon- and estrogen-induced survival protein contributes to hyperplasia, tamoxifen resistance and poor outcomes in breast cancer. *Oncogene* 31, 2222-2236. *Impact Factor: 10.164* *Corresponding author
6. Khan, S. N., Jankowska, A. M., Mahfouz, R., Dunbar, A. J., Sugimoto, Y., Hosono, N., Hu, Z., Cheriya, V., Vatolin, S., Przychodzen, B., et al. (2013). Multiple mechanisms deregulate EZH2 and histone H3 lysine 27 epigenetic changes in myeloid malignancies. *Leukemia* 27, 1301-1309. *Impact Factor: 7.352*
7. Vijayaraghavalu, S., Dermawan, J. K., **Cheriya, V.**, and Labhasetwar, V. (2013). Highly synergistic effect of sequential treatment with epigenetic and anticancer drugs to overcome drug resistance in breast cancer cells is mediated via activation of p21 gene expression leading to G2/M cycle arrest. *Mol Pharm* 10, 337-352. *Impact Factor: 4.411*

Books Reviewed

- Stem Cells: Biology and Application, Garland Science (Reviewed Four Chapters) – 201
- Stem Cells: Biology and Application, Garland Science (Reviewed Four Chapters) – 2016

TEACHING EXPERIENCE

- Developed and taught 5 undergraduate and 5 graduate level courses and 2 laboratory courses
- Consistently received high ratings in student evaluations (above departmental average scores)
- Trained > 26 undergraduates and graduates in the laboratory as a part of independent studies
- Thesis supervisor of 5 MS students and 3 honors thesis scholars (completed)

- Trained 5 McNair research scholars and currently mentoring 2
- Supervised 9 BSC 595 research papers (Completed)
- Presently advising one Ph.D, seven MS, and six honors thesis students
- Outstanding student evaluations for many courses with better averages than Department, College, and University

Courses Developed and Taught

Cleveland State University

Radiation Biology, 2 cr, Guest lecturer, Department of Physics (2010, and 2011)

Texas A&M University-Commerce

BSc 303 Cell Biology, 4 cr. (Fall and Spring Semesters 2011 through 2016)

BSc 304 Genetics, 4 cr. (Spring 2012, 2013, 2015, and 2016)

BSc 301 Biological Literature, 3 cr. (Spring 2012, Fall 2014, and 2016)

BSc 431 Eukaryotic Cell Biology, 3 cr. (Fall 2013)

BSc 405 Internship, 3 cr. (Fall 2012)

BSc 489 Molecular mechanisms of G1P3 in breast cancer, 3 cr. (Spring 2012)

Clinical significance of interferon stimulated genes, 3 cr. (Spring 2012)

Protein kinase C and epigenetics, 3 cr. (Summer II 2012)

Interferon stimulated genes, 3 cr. (Fall 2012)

Interferon and intracellular Ca²⁺ signaling, 3 cr. (Spring 2013)

Histone modifying enzymes in breast cancer, 3 cr. (Fall 2013)

Role of maspardin in neuronal cell survival, 3 cr. (Fall 2014)

Internship, 3 cr. (Summer I and II 2015)

Retrograde mitochondrial signaling, 3 cr. (Spring 2016)

Gene Regulation, 3 cr. (Fall 2016)

BSc 490 Honors Thesis, 3 cr. (Several semesters)

BSc 491 Honors Readings, 3 cr. (Several semesters)

BSc 497 Gene Regulation, 3 cr. (Fall 2012)

BSc 513 Genetic Analysis, 3 cr. (Summer 2013 and Spring 201)

BSc 515, Advanced Cell Biology, 3 cr. (Spring 2013, Fall 2014, Fall 2016)

BSc 517 Stem Cell Biology, 3 cr. (Fall 2013, 2015, Summer 2014, 2016)

BSc 519 Advanced Gene Regulation, 3 cr. (Fall 2014 & 2016)

BSc 521 Epigenetics, 3 cr. (Spring 2014 & 2016)

BSc 518 Thesis, 3 cr. (Several semesters)

BSc 589 Molecular mechanisms of G1P3 in breast cancer, 3 cr. (Spring 2012)

G1P3-Cytoskeletal interaction and cancer, 3 cr. (Fall 2012)

Phytoestrogens and breast cancer, 3 cr. (Spring 2013)

Advanced Cell Biology, 3 cr. (Summer 2013 and 2015)

Phytoestrogen interconversion, 3 cr. (Fall 2013)

Role of G1P3 in regulating Bcl-2 family proteins (Fall 2014)

G1P3 and mitochondrial redox regulation (Spring 2015)

Genetic analysis (Spring 2015)

BSc 595 Reserach Literature and Techniques, 3 cr. (Several semesters)

BSc 597 Stem Cells and Regenerative Medicine, 3 cr (Summer II 2012)

Genetics and Epigenomics, 3 cr. (Fall 2012)

Gene Regulation, 3 cr. (Fall 2012)

PLS 489 Independent studies 3 cr. (Summer I and II 2012)

THESIS SUPERVISORY EXPERIENCE

Chaired seven masters and five undergraduate honors theses; was a thesis committee member in one masters and three honors theses. One doctoral, five masters and six honors theses are in progress.

Doctoral Thesis

In Progress:

1. Anne Davenport (Visiting scholar from Texas Woman's University), Role of G1P3-induced retrograde signals in neuronal cell functions, (Role: Committee Member).

Master's Theses

1. Swati Balluri, Role G1P3-induced tubulin acetylation in the metastasis of breast cancer cells, Summer 2016, (Role: Chair).
2. Lalitha Gaddipati, Role of G1P3 in cytoskeletal reorganization and breast cancer cell metastasis, Spring 2015, (Role: Chair).
3. Megan Miller, Histone methylation-induced epithelial to secretory transition and breast Cancer Cell Metastasis, Spring 2015, (Role: Chair).
4. Alaa Qurban, Role of PI3-Kinase in macropinosome mediated breast cancer cell metastasis, Summer, 2014, (Role: Chair).
5. Anne Davenport, Loss of maspardin attenuates the growth of mouse cortical neurons," Spring 2014, (Role: Chair).
6. Ashjan Khalel, Mitochondrial functions of G1P3, Spring 2014, (Role: Chair).
7. Richard Martin, NMDA receptor characterization of lectin positive stem cells in the developing chick optic tectum, Spring 2013 (Role: Committee Member)

Undergraduate Honors Theses

1. Kailee Johnson, The Epigenetic Effects of Bisphenol A on the Transgenerational Promotion of Yellow Coat Color and Obesity in Agouti Mice, Spring, 2015 (Role: Chair).
2. Simarashe Mazambani, Effect of Estrogenic Isoflavones on Menopause and Ovarian Aging in VCD Menopause Mouse Model, Fall 2014, (Role: Chair)
3. Sravan Vemuri, Interferon Stimulated Genes Confer to Poor Survival Outcomes in Estrogen Receptor Negative Breast Cancer, Fall 2014, (Role: Chair).
4. Jacob Canfield, Role Abiotic Stress-induced Soybean Phytoalexins in Breast Cancer, (Role: Chair).
5. Anna Bowsher, The Protein Kinase C (PKC) mediated H3K27 trimethylation promotes breast cancer cell metastasis, (Role: Chair)
6. Ashley Arms, Identification of a Human Myofibril-inducing RNA, Spring 2013, (Role: Committee Member).
7. Will Lian, Identification of Human Heart RNA Responsible for Rescuing Mutant Axolotl Hearts, Spring, 2013, (Role: Committee Member).
8. Marshall Hunter Joyce, Investigating Nogo-A and its potential role with maspardin in Mast Syndrome, Spring 2013, (Role: Committee Member).
9. Savannah Brookins, Possible Contribution of Kinesin-1 to Mast Syndrome, Spring 2012 (Role: Committee Member).

Master's Professional Papers Supervised

1. Jessica Guerrero, Intrauterine Environment and Epigenetics, Fall 2015 (Role: Chair)
2. Emily Sharma, The Effects of Poverty on Epigenetic Mechanisms in Cognition, Fall 2015, (Role: Chair)
3. Ashley Moses, Role of G1P3 in the Regulation of Mitochondrial Permeability Transition Pore (MPTP) Opening. Summer 2015, (Role: Chair)
4. Hung Can, Induced Pluripotent Stem Cells (IPSC): Methods. Summer 2015, (Role: Chair)
5. Chad Watson, MicroRNA as a Potential Cancer Biomarker. Spring 2015, (Role: Chair)
6. Kathleen McAdams, Patterns of Histone Methylation in Breast Cancer Metastasis, Spring 2015, (Role: Chair)
7. Dusty Vincer, Role of mitochondria-associated lipid microdomains in cell fate determination and apoptosis, Spring 2015, (Role: Chair)
8. Naveen Yegyan, Epigenetic Landscape of Breast Cancer Cells, Fall, 2013 (Role: Chair)
9. Sameerh Alsaifi, Epigenetics and Colorectal Cancer, Fall, 2013 (Role: Chair)
10. Victoria Walter, (Role: Committee Member).

11. Kathleen Murkot, Propensity of Developing Alcoholism Based upon Genetic Predisposition, Spring 2012 (Role: Committee Member).

SPONSOR/MENTORSHIP OF STUDENTS, POSTDOCTORAL & MEDICAL FELLOWS, AND VISITING SCIENTISTS

Over the years trained and mentored 70 researchers at various levels of qualifications; of this 42 students (1 doctoral, 17 masters, and 24 undergraduate students at Texas A&M University-Commerce.

Mentoring Success

- Mentored students consistently won awards in various scientific meetings and conferences
 - Texas A&M System 12th Annual Pathways Student Research Symposium, Corpus Christi, 2015
 - *Overall First place in life sciences category for graduate students*
 - *First and Third place in life sciences category for graduate students*
 - Federation of North Texas Area Universities Graduate Student Research Symposium, 2015
 - *First and Third place in Math and Science Category*
 - Represented Texas A&M University Texas Undergraduate Research Day at the Capitol, 2015
 - Texas A&M University-Commerce Annual Research Symposium, 2015
 - *First place in graduate category*
 - *First place in undergraduate category*
 - Federation of North Texas Area Universities Graduate Student Research Symposium, 2014
 - *First, Second, and Third place in Math and Science Category*
 - Texas A&M University-Commerce Annual Research Symposium, 2014
 - *First place in undergraduate category*
 - North Texas Life Science Research Symposium, UNTHSC, 2013
 - *Second place in graduate category*
 - *Third place in undergraduate category*
 - Texas A&M University-Commerce Annual Research Symposium, 2013
 - *Second place in graduate category*
 - Represented Texas A&M University Texas Undergraduate Research Day at the Capitol, 2013
 - Texas A&M System 10th Annual Pathways Student Research Symposium, 2012
 - *Won Top 5% Award for graduate students category in life sciences*
 - *Won Top 5% Award for graduate students category in life sciences*
- 23 students won TAMU-Commerce, Undergraduate Research Grant
- Several students admitted and pursuing doctoral-, medical-, pharmacy- and other graduate degrees

SCHOLARSHIP/CREATIVE ACHIEVEMENTS

Research interests

My main research interest concerns how key information for the development and maintenance of organs emerges and regulates in a multicellular organism. Using hypothesis and discovery driven approaches, my laboratory is deciphering the critical cellular and epigenetic events that control mammary gland and hypothalamus development, and how these processes are deregulated in breast cancer and post-traumatic disorders. My investigations at the Cleveland Clinic resulted in the discovery of antiapoptotic properties of G1P3 and its role in cancer development and progression. Ongoing investigations in my laboratory identified G1P3's role in mitochondrial redox regulation, and its effects on multiple cellular pathways to promote breast cancer cell metastasis and neural progenitor cell differentiation. To accelerate the discovery key genes involved, we invented a functional genomics discovery platform called GRIP for random activation of genes in a genome wide scale. Having validated, currently we are deploying GRIP platform to identify genes 1) that drives antiestrogen independence in breast cancer cells and 2) promote myelodysplastic syndrome

(MDS) to secondary AML.

INVITED LECTURES, CONFERENCE/SYMPOSIA/KEYNOTE SPEECHES (Partial List)

- Emerging Roles of G1P3 in Breast Cancer Cell Metastasis, Texas Woman's University, Denton, January 29, 2016
- Paradoxical Effects of Interferon Stimulated Genes in Cancer, Kerala Agricultural University, India, June 22nd, 2015
- Interferon Stimulated Genes in Breast Cancer: Friend or Foe, ICR Grand Round Seminar, University of North Texas Health Science Center, March, 6, 2013.
- Interferon Stimulated Genes in Breast Cancer: Friends or Foes, Department of Biotechnology, Collin County Community, April, 19, 2013.
- Novel Role of G1P3 in the Disruption of Mammary Gland Morphogenesis: Implications for Breast Cancer; Department of Biological Sciences, University of Toledo, OH, USA, 2011.
- Novel Role of G1P3 in the Disruption of Mammary Gland Morphogenesis: Implications for Breast Cancer; Department of Biological and Environmental Sciences, Texas A&M University-Commerce, TX, USA, 2011.
- Targeting Cancer Cells: Roles of Survival Factors, Epigenetic Modulators and Nanotechnology, Amrita Institute of Medical Sciences and Research Center, India, 2010.
- The antiapoptotic protein G1P3 (ISG 6-16) on survival signaling in breast carcinoma - Cytokine and Endocrine Crosstalk–International Society for Interferon and Cytokine Research Annual Meeting, Montreal, Canada, 2008.
- Histone deacetylase (HDAC) inhibition augments IFN- α 2b induced gene expression and antiproliferative effects in myeloma, International Society for Interferon and Cytokine Research Annual Meeting, Oxford, London, 2007.
- G1P3 an interferon stimulated gene antagonizes TRAIL induced apoptosis in melanoma-International Society for Interferon and Cytokine Research Annual Meeting, Vienna, Austria, 2006
- Role of MMSET in SAHA Efficacy in Myeloma, Merck Inc., 2008
- Drugging the Cancer Genome: Role of Epigenetic Modulators in Combination Therapy, Gilead Science, Sanfrancisco, 2008
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PUBLICATIONS

Authored/Co-authored 27 peer reviewed publications in high impact journals, two original articles and a review are ready for submission, 95 non-refereed publications in various conferences and several of them won prizes, awards, and/or travel grants.

Refereed Journal Articles

1. Johnson, A.K., Vemuri, S., Alsaifi, S., Castillo, R., and Cheriya, V. Glycone-rich Soy Isoflavone-Extracts Promotes Estrogen Receptor Positive Breast Cancer Cell Growth. *Nutr Cancer*, 2016, 68(4):622-33, Impact Factor: 2.53.
2. Davenport, A., Latson, W., Bivona, A., Lemanski, L.F. and Cheriya, V. Loss of Masparidin Attenuates the Growth and Maturation of Mouse Cortical Neurons. *Neurodegener Dis.*, 2016, 16:260-72, Impact Factor: 3.51
3. Khan, S. N., Jankowska, A. M., Mahfouz, R., Dunbar, A. J., Sugimoto, Y., Hosono, N., Hu, Z., Cheriya, V., Vatolin, S., Przychodzen, B., et al. Multiple mechanisms deregulate EZH2 and histone H3 lysine 27 epigenetic changes in myeloid malignancies. *Leukemia* 2013, 27: 1301-1309, Impact Factor: 10.431
4. Vijayaraghavalu, S., Dermawan, J. K., Cheriya, V., and Labhasetwar, V. (2013). Highly synergistic effect of sequential treatment with epigenetic and anticancer drugs to overcome drug resistance in breast cancer cells is mediated via activation of p21 gene expression leading to G2/M cycle arrest. *Mol Pharm* 10, 337-352, Impact Factor: 4.128

5. Cheriyaath, V.* , Kuhns, M., Jacobs, B., Evangelista, P., Downs-Kelly, E., Tubbs, R., Crowe, J., and Borden, E.C. G1P3, an interferon- and estrogen-induced survival protein contributes to hyperplasia, tamoxifen resistance and poor outcomes in breast cancer. *Oncogene*. 2012. Epub 2011/10/15. doi: 10.1038/onc.2011.393. PubMed PMID: 21996729. *Corresponding author, Impact Factor: 8.459
6. Cheriyaath, V.* , Leaman, D.G. and Borden, E.C. Emerging Roles of FAM14 Family Members (ISG 6-16 and ISG 12) in Innate Immunity and Cancer. *J. Interferon and. Cyto. Res.*, 2011, 31:173-81. *Corresponding author, Impact Factor: 2.0
7. Cheriyaath, V.* , Kuhns, M., Kalaycio, M.E. and Borden, E.C. Potentiation of apoptosis by histone deacetylase inhibitors and doxorubicin combination: cytoplasmic cathepsin B as a mediator of apoptosis in multiple myeloma. *Br. J. Cancer*, 2011, 104: 957-67., *Corresponding author, Impact Factor: 4.836
8. Luszczek, W., Cheriyaath, V., Borden, E.C., Mekhail, T. Combinations of DNA Methyltransferase and Histone Deacetylase Inhibitors Induce DNA Damage in Small Cell Lung Cancer Cells: Correlation of Resistance to Interferon Stimulated Gene Expression. *Mol. Cancer Ther.*, 2010, 9:2309-21, Impact Factor: 5.683
9. Bae, S., V. Cheriyaath, B. Jacobs, F. Reu, and E. Borden. Reversal of methylation silencing of Apo2L/TRAIL receptor 1 (DR4) expression overcomes resistance of SK-MEL-3 and SK MEL-28 melanoma cells to interferons (IFNs) or Apo2L/TRAIL. *Oncogene*, 2008, 27: 490 - 498. *Co-First author, Impact Factor: 8.459
10. Cheriyaath, V., K. B. Glaser, J. F. Waring, R. Baz, M. A. Hussein, and E. C. Borden. G1P3, an IFN-induced survival factor, antagonizes TRAIL-induced apoptosis in human myeloma cells. *J Clin Invest.*, 2007, 117: 3107-3117, Impact Factor: 16.915
11. Cheriyaath, V., Jacobs, B.S. and Hussein, M.A. Proteasome inhibitors in the Clinical Setting: Benefits and Strategies to Overcome Multiple Myeloma Resistance to Proteasome Inhibitors. *Drugs R D.*, 2007, 8: 1-12, Impact Factor: 1.707
12. Cheriyaath, V* . and Hussein, M.A. Osteopontin, angiogenesis and multiple myeloma. *Leukemia*, 2005, 19: 2203-5, *Corresponding author, Impact Factor: 10.431
13. Cheriyaath, V., Desgranges, Z.P. and Roy, A.L. c-Src-dependent transcriptional activation of TFII-I. *J. Biol. Chem.*, 2002, 277: 22798-22805, Impact Factor: 4.573
14. Cheriyaath, V., Balasubrahmanyam, A. and Kapoor, H.C. Purification and characterization of a 29 kDa poly(A)-binding protein from chickpea (*Cicer arietinum*) epicotyl, *Indian J. Biochem. Biophys.*, 2001, 38: 258-262, Impact Factor: 4.573
15. Cheriyaath, V. and Roy, A.L. Structure-function analysis of TFII-I. Roles of the N-terminal end, basic region, and I-repeats, *J. Biol. Chem.*, 2001, 276: 8377-8383, Impact Factor: 4.573
16. Parker, R., Phan, T., Baumeister, P., Roy, B., Cheriyaath, V., Roy, A.L. and Lee, A.S. Identification of TFII-I as the endoplasmic reticulum stress response element binding factor ERSF: its autoregulation by stress and interaction with ATF6, *Mol. Cell Biol.*, 2001, 21: 3220-3233, Impact Factor: 4.777
17. Cheriyaath, V., Balasubrahmanyam, A. and Kapoor, H.C. Purification and characterization of 72k poly(A)-binding protein from chickpea (*Cicer arietinum*) epicotyls, *Indian J. Biochem. Biophys.*, 2000, 37: 107-113, Impact Factor: 0.871
18. Cheriyaath, V. and Roy, A.L. Alternatively spliced isoforms of TFII-I. Complex formation, nuclear translocation, and differential gene regulation, *J. Biol. Chem.*, 2000, 275: 26300-26308, Impact Factor: 4.573
19. Novina, C.D., Kumar, S., Bajpai, U., Cheriyaath, V., Zhang, K., Pillai, S., Wortis, H.H. and Roy, A.L. Regulation of nuclear localization and transcriptional activity of TFII-I by Bruton's tyrosine kinase, *Mol. Cell Biol.*, 1999, 19: 5014-5024, Impact Factor: 4.777
20. Cheriyaath, V., Novina, C.D. and Roy, A.L. TFII-I regulates Vbeta promoter activity through an initiator element, *Mol. Cell Biol.*, 1998, 18: 4444-4454, Impact Factor: 4.777
21. Kapoor, H.C., Venugopalan, C. and Sharma, N. Auxin regulated changes in in vivo protein

- phosphorylation in chick pea (*Cicer arietinum*) and possible role of Ca²⁺ -calmodulin, *Indian Journal of Experimental Biology*, 1998, 36: 501-505, Impact Factor: 0.835
22. Kim, D.W., Cheriyaath, V., Roy, A.L. and Cochran, B.H. TFII-I enhances activation of the c- fos promoter through interactions with upstream elements, *Mol. Cell Biol.*, 1998, 18: 3310-3320, Impact Factor: 4.777
 23. Novina, C.D., Cheriyaath, V. and Roy, A.L. Regulation of TFII-I activity by phosphorylation, *J. Biol. Chem.*, 1998, 273: 33443-33448, Impact Factor: 4.573
 24. Grueneberg, D.A., Henry, R.W., Brauer, A., Novina, C.D., Cheriyaath, V., Roy, A.L. and Gilman, M. A multifunctional DNA-binding protein that promotes the formation of serum response factor/homeodomain complexes: identity to TFII-I, *Genes Dev.*, 1997, 11: 2482-2493, Impact Factor: 12.44
 25. Novina, C.D., Cheriyaath, V., Denis, M.C. and Roy, A.L. Methods for studying the biochemical properties of an Inr element binding protein: TFII-I, *Methods*, 1997, 12: 254-263, Impact Factor: 3.851
 26. Venugopalan, C. and Kapoor, H.C. Single step isolation of plant RNA, *Phytochemistry*, 1997, 46: 1303-1305, Impact Factor: 3.35
 27. Venugopalan, C. and Srivastava, K.N. *Ind. J. Food Science & Tech*, 1996, 33: 389-392.

SERVICES

- Director of TAMUC BioPride program, 2014 – Present
- Chair of Departmental Scholarship Committee, 2013 – Present
- Chair and coordinator of Institutional Effectiveness Plan committee for MS in Biology, 2013 – Present
- Member of JAMP-program medical/dental admission interview board, 2012-Present
- Member of Biological and Environmental Sciences – Graduate Admission Committee, 2011 – Present
- Member of Texas A&M University-Commerce IACUC committee, 2011 – Present
- Member of College of Science and Engineering Scholarship Committee, 2015 – Present
- Chair of College of Science and Engineering Scholarship Committee, 2014
- Advisor of TAMUC's TriBeta National Biological Honor Society, 2013 – Present
- Undergraduate student advisor, 2013 – Present
- Co-coordinator of Mane event for Biology Majors, 2011 – Present
- Coordinator of Graduate Expo, 2015 and 2013
- Member of Strategic Planning Task Force-Scholarship Committee, 2014 – 2015
- Member of the Automated Response System Implementation Committee, 2013
- Chair of Survey Subcommittee of Major Fair, 2012
- Member of Advisory Committee for the Accessibility of Academic Content, 2012 – 2013
- Member of Major Fair Committee, 2012
- Member of committee to develop joint program with Collin College Biotechnology group, 2011 – 2012
- Member of College of Science and Engineering Dean Search Committee, 2014
- Member of Department Head Search Committee, 2012 – 2013
- Chair of Physiologist Search Committee, 2012
- Member of Biomedical Scientist Research Committee, 2013-2014
- Member of Microbiologist Search Committee, 2013

Synergistic Activities and Community Services

- Chaperoned undergraduate and MS students to TAMU System Pathway Symposium, 2015 and 2013
- Chaperoned MS students to Federation Graduate Research Symposium, 2014
- Judged poster presentation in various conferences and meetings
 - TAMU System Pathway symposium, 2011, 2012, 2013, and 2015

- TAMUC Annual Research Symposium, 2015
 - Federation of North Texas Area Universities Graduate Student Research Symposium, 2014 – 2015
 - American Society of Cell Biology Annual Meeting, 2014
 - North Texas Life Science Symposium, 2013
- Represented College of Science and Engineering in Royal Roar, 2012 and 2014
 - Editorial Board Member of PlosONE, 2001 – Present
 - External examiner of University of Pune, India, for doctoral theses, 2010, 2011, and 2015
 - Reviewer for PlosONE, British Journal of Hematology, and J. of Interferon and Cytokine Research
 - Member of American Association of Cancer Research, International Society of Interferon and Cytokine Research, American Society for Biochemistry and Molecular Biology, Society for Plant Biochemistry and Biotechnology, American Society for Cell Biology, Texas Academy of Sciences, and Beta Beta Beta, Biological Honors Society
 - Invited speaker at Virginia Reinhardt Elementary school-Rockwall
 - Collaborate with Dr. Jaroslaw Maciejewski at Cleveland Clinic, Cleveland, Dr. Sunati Sahoo at UT Southwestern Medical Center, Dallas, Dr. Douglas Lehman at University of Toledo, Dr. DiAnna Hynds at Texas Woman's University, Denton, Dr. Maria Carlson and Dr. Larry F. Lemanski at Texas A&M University-Commerce, and Dr. Ralph R. Weichselbaum at University of Chicago.

Professional Development Activities

- Attended National Academies Gulf Coast Summer Institute on Scientific Teaching, 2013
- Attended Follow-up meeting and represented TAMUC in National Academies Gulf Coast Summer Institute on Scientific Teaching, 2014
- Attended Pearson Education BIOS meeting in Atlanta, 2014
- Organized and Coordinated BIOS workshop for Department Faculty, 2014
- 7 presentations in various conferences and 10 invited seminars

Editorship and Peer Reviewing

- Academic Editor of PlosONE (2014 impact factor 3.234), (2010–Current)
- External Reviewer of
 - Molecular Cancer Therapeutics (American Association Cancer Reserach)
 - Molecular Cancer Reserach
 - PlosONE
 - British Journal Hematology
 - International Journal of Molecular Science
 - Molecular Oncology
- External Examiner of Doctoral Thesis of Savitribai Phule Pune University, India (From 2011–2016, reviewed 5 doctoral theses).

Professional Societies

- American Society for Cell Biology (2013–2016)
- Beta Beta Beta, Biological Honors Society, Sponsor at Texas A&M University-Commece (2013–2016)
- Texas Academy of Sciences (2013–2016)
- American Association of Cancer Research (2004–2013)
- International Society of Interferon and Cytokine Research (2005–2013)
- American Society for Biochemistry and Molecular Biology (2000–2013)
- Society for Plant Biochemistry and Biotechnology (1995–Current)