Curriculum vitae

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Place of Birth:	Mudinepalli, India

Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
1972	B.Sc	Biology	Andhra University, India
1974	M.Sc	Botany (Genetics main)	Andhra University, India
1979	Ph.D	Cytogenetics (Botany)	Andhra University, India
2000	MHA	Health Care Administration	Hofstra University, Hempstead, NY

Postdoctoral Training [*Include residency/fellowship*]

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
1979-1981	Postdoctoral	Cytogenetics (MK Rao)	Andhra University, India
1981-1982	Research Associate	Cytogenetics (MK Rao)	Andhra University, India
1982-1983	Sr. Research Associate	Cytogenetics (Independent)	Andhra University, India
1984-1988	Res Associate Fellow	Cancer Genetics (RSK Chaganti)	MSKCC, New York

Current Licensure and Certification

Licensure: New York State Dept. of Health, CQ KODUP1: Cytogenetics, Genetic Testing, Molecular Oncology

Board and Other Certification: American Board of Medical Genetics – Clinical Cytogenetics, 1987
National provider identification number: 1508145830

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
1974-1977	Junior Res Fellow	CSIR, New Delhi, India
1977-1979	Senior Res Fellow	CSIR, New Delhi, India

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
1990-1998	Asst. Professor	Pathology	Cornell Univ Medical College, NY
1998-2009	Associate Professor	Pathology	NYU Medical Center, NY
2009-Current	Professor	Pathology	UT Southwestern Medical Center

Appointments at Hospitals/Affiliated Institutions

Past			
Year(s)	Position Title	Department/Division	Institution
1988-1996	Director	Cancer Genetics Lab - Pathology	NSUH, Manhasset, NY
1996-2004	Director	Cell Genetics - Pathology	NSUH, Manhasset, NY
2004-2009	Chief	Div. Cell Genetics, Pathology	NS-LIJ Health System, NY
Current			
Year(s)	Position Title	Department/Division	Institution
2009-current	Med. Director	Genetics Diag. Labs, Pathology Cytogenetics and Molecular Genetics	UT Southwestern Medical Cntr

Other Professional Positions *[Industry, foundation, private practice]*

Year(s)	Position Title	Institution
2000-2009	Consulting Geneticist, Pathology	WUH, Mineola, NY
1998-2006	Consulting Cytogeneticist, Pathology	NYU Medical Center, NY

Major Administrative/Leadership Positions *[Do not include Professional Society positions]*

Year(s)	Position Title	Institution
2004-2009	Chief, Division of Cellular Genetics	North Shore LIJ Health System Labs, NY
2000-2009	Chief Consulting Geneticist	Winthrop Univ Hospital, Mineola, NY
2009-	Medical Director, Genetics Diagnostics Labs	UTSWMC, Dallas

Committee Service **(***Member, unless noted otherwise)* *[Do not include Professional Society positions]*

Year(s)	Name of Committee	Institution/Organization
UTSW		
2010-Current	Residents Education Committee	UTSWMC, Pathology
2012-Current	Fellowship Committee	UTSWMC, Pathology
Hospital		
2016-Current	CLS Continuous education committee	

State/Regional: None		
National/International:		
1996-Current	Inspection team member	CAP
2009-Current	Team leader	
2014-Current	International inspector	CAP

Professional Societies *[List all society committees, leadership, and course leadership roles here*]

Dates	Society Name, member
1985-2009	American Society of Human Genetics
1996-2009	American Society of Hematology
2000-Current	Association for Molecular Pathology
2012-Current	American College of Medical Genetics
	Committees
	Fellowships
1997-Current	Founding Fellow American College of Medical Genetics
2000-2004	American College of Health Care Executives

Grant Review Activities

Year(s)	Name of Review Committee	Organization
1990-2006	Institutional Research Grant Review	NSUH, NY

Editorial Activities

Year(s)	Journal Name
Editor/Associate Editor: None	
Editorial Board: None	
Ad Hoc Reviewer	
2009-Current	Cancer Genetics
2012-Current	Leukemia and Lymphoma
2006-2008	American Journal of Surgical Pathology
2017-current	International Journal of Cancer Research and Molecular Mechanisms
2017-current	The Application of Clinical Genetics

Grant Support

Present	*Grantor:*

	Title of Project:
	Role (Principal Investigator, Co-Investigator):
	Annual amount and date (direct costs only):
	Total amount of award (if multi-year) and dates (direct costs only):

Past	*Grantor:*
	Title of Project:
	Role (Principal Investigator, Co-Investigator):
	Annual amount and date (direct costs only):
	Total amount of award (if multi-year) and dates (direct costs only):

Clinical Trials Activities

Present	*Grantor:*
	Title of Project:
	Role (Principal Investigator, Co-Investigator):

Past	*Grantor:*
	Title of Project:
	Role (Principal Investigator, Co-Investigator):

Teaching Activities

Year(s)	Activity
Medical and graduate school didactic and small group teaching	
Dissertation committees	
Qualifying examination committees	
Committees concerned with medical and graduate student education	

Graduate student rotations	
Medical student rotations	
Graduate student trainees	
Postgraduate medical education (graduate & continuing medical education)	
Postdoctoral trainees	

Invited Lectures [*Since last promotion/appointment*]

Year(s)	Title	Location
International: None		
National:		
9/2010	Fluorescence in situ hybridization in clinical diagnosis	Pathology, Medical City Hospital, Dallas
4/2013	Cancer biomarkers and personalized cancer care	Pathology, Univ. of Baltimore
10/2013	Unique Genomic Difference Between Diffuse Large Cell lymphoma and Burkitt Lymphoma	Pathology, West Virginia School of Medicine
3/2014	Genetic subtypes in non-Hodgkin lymphoma	Pathology, Winthrop Univ Hospital
4/2017	Genetic tests in personalized medical care	Pathology, Winthrop Univ Hospital
Regional/Local		
1/2011	Genetics in the management of hematopoietic tumors	Hematology/Oncology, UTSWMC
5/2012	Genetics in the care of Neonates	Neonatal-perinatal Medicine, UTSWMC
8/2012	Cancer Genetics	Hematology/Oncology, UTSWMC
7/2012	Prenatal Genetic Diagnosis	OB-GYN, UTSWMC
1/2013	Principles of ALK rearrangements in non-small cell lung cancer	Medical Oncology, UTSWMC
5/2017	Polyploidy and pregnancy loss	OB-GYN, UTSWMC
7/2017	Cancer cytogenetics	Hematology/Oncology, UTSWMC

9/2017	How do we use data from NGS for precision medicine	NW-LIJ Health System, Manhasset, NY
9/2017	New technologies in precision medicine	NYU-Winthrop Hospital, Mineola, NY

Technological and Other Scientific Innovations: None

Innovation
Patent, if any, pending or awarded /If described in print/on web, provide citation

Service to the Community

Year(s)	Role	Organization or institution
May include a brief, one-sentence description of each role if needed (optional)		

2010-2012	HOA Board Director	Chateaus of Coppell
2014-2016	HOA Board Director	Chateaus of Coppell
2010-2014	Member	Hari Hara Peetham

Bibliography

Peer-Reviewed Publications *(List in chronological order with complete pagination. Authors should be listed in the same order as they appear in the published article. Do not include abstracts or submitted works.)*

Original Research Articles

1. Koduru, P.R.K., Krishna Rao, M. 1978. Chromosome pairing and desynapsis in spontaneous autopolyploids of *Pennisetum typhoides*. Cytologia 43: 445-452.
2. Krishna Rao, M., Koduru, P.R.K. 1978. Asynapsis and spontaneous centromeric breakage in an inbred line of *Pennisetum typhoides* (L.) Leeke. Proc. Ind. Acad. Sci. B. 87: 29-35.
3. Krishna Rao, M., Koduru, P.R.K. 1978. Cytogenetics of a factor for formation and male sterility in *Pennisetum americanum*. Theor. Appl. Genet. 53: 1-7.
4. Krishna Rao, M., Koduru, P.R.K. 1978. Inheritance of genetic male sterility in *Pennisetum americanum* (L.) Leeke. Euphytica 27: 777-785.
5. Krishna Rao, M., Koduru, P.R.K. 1979. Bi-parental plastid inheritance in *Pennisetum americanum*. J. Heredity 69: 327-330.
6. Koduru, P.R.K., Krishna Rao, M. 1979. Inheritance of anthocyanin and way stem in *Pennisetum*. J. Cytol. Genet. 14: 18-21.
7. Krishna Rao, M., Koduru, P.R.K. 1979. Genetics of five hairy phenotypes and a linkage group of *Pennisetum americanum*. Euphytica 28: 445-451.
8. Lakshmi, K.V., Murthy, T.G.K., Koduru, P.R.K. 1979. Cytogenetic behaviour and estimation of phosphate and potassium content in desynaptic pearl millet. Theor. Appl. Genet. 55: 189-190.
9. Koduru, P.R.K. 1979. Metaphase I centromere co-orientation in interchange heterozygotes of pearl millet. Genet Res. (Camb.) 34: 69-74.

10. Koduru, P.R.K., Krishna Rao, M. 1980. Spontaneous chlorophyll mutants of *Pennisetum americanum*: Genetics and chlorophyll quantities. Theor. Appl. Genet. 56: 137-143.
11. Koduru, P.R.K. 1980. Chromosome pairing and the meiotic behavior of univalents in synaptic mutants of pearl millet, *Pennisetum americanum* (L.) Leeke, Graminae. Genetica 54: 191-197.
12. Koduru, P.R.K., Murthy, T.G.K., Lakshmi, K.V. 1980. Sectional translocation monosomy in a plat of pearl millet, *Pennisetum americanum* (L) Leeke. Chromosoma (Berl.) 78: 365-370.
13. Koduru, P.R.K., Lakshmi, K.V., Murthy, T.G.K. Chromosome behavior in trisomic plants of pearl millet, *Pennisetum americanum* (L) Leeke. Beitr. Biol. Pflanzen. 55: 289-297.
14. Lakshmi, K.V., Koduru, P.R.K., Murthy, T.G.K., Rao, M.K. 1982. The effect of trisomy on the meiotic behavior of interchange complexes in pearl millet, *Pennisetum americanum* (L) Leeke. Theor. Appl. Genet. 61: 333-335.
15. Koduru, P.R.K., Murthy, T.G.K., Lakshmi, K.V., Krishna Rao, M. 1982. Analysis of chromosome pairing and breakage in pearl millet. Genet. Res. (Camb.) 40: 165-174.
16. Koduru, P.R.K., Grace, R.J., Krishna Rao, M. 1982. Genetic and pigment analysis of a yellow virescent mutant of pearl millet, *Pennisetum americanum* (L) Leeke. Beitr. Biol. Pflanzen. 57: 431-438.
17. Krishna Rao, M., Aswani Kumari, K., Koduru, P.R.K. 1983. Rate of early seed development in two heterotic hybrids and their inbred lines of pearl millet, *Pennisetum americanum* (L) Leeke. Zeitschrift Pflanzenzuchtg 91: 25-35.
18. Krishna Rao, M., Subba Rao, B., Koduru, P.R.K. 1984. Genetic analysis of an induced double mutant system in pearl millet, *Pennisetum americanum* (L) Leeke. Biol. Zbl. 103: 295-306.
19. Koduru, P.R.K. Krishna Rao. M. 1984. Cytogenetics of a semi-dwarf mutant in pearl millet, *Pennisetum americanum* (L) Leeke. Can. J. Genet. Cytol. 26: 272-278.
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21. Koduru, P.R.K., Krishna Rao. M., Lakshmi, K.V, Sybenga, J. 1984. Anther development and the orientation of an interchange quadrivalent in pearl millet. Chromosoma (Berl.) 90: 89-93.
22. Koduru, P.R.K. 1984. Centromere orientation, reorientation, and segregation in an interchange quadrivalent during anther development in peal millet. Chromosoma (Berl.) 90: 94-102
23. Koduru, P.R.K. 1984. Metaphase I orientation of chain forming interchange quadrivalents - a theoretical consideration. Genetics 108: 707-718.
24. Koduru, P.R.K. Grace, R.J., Krishna Rao, M. 1985. Karyotype, heterochromatin content and meiotic features of *Poecilocera picta* (Orthoptera, Acrididae). Genetica 67: 31-37.
25. Burns J.P., Koduru, P.R.K. Alonso, M.L., Chaganti, R.S.K. 1986. Analysis of meiotic segregation in a man heterozygous for two reciprocal translocations using hamster in-vitro fertilization system. Am. J. Hum. Genet. 38: 954-964.
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27. Doucette, L.A., Koduru, P.R.K., Long, L., Filippa, D. A., Chaganti, R.S.K. 1986. Molecular detection of the 14;18 translocation in non-Hodgkin's lymphoma. Am. J. Hum. Genet. 38: 197.
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29. Alonso, M.L., Richardson, M.E., Metroka, C.E., Mouradian, J.A., Koduru, P.R.K., Filippa, D.A., Chaganti, R.S.K. 1987. Chromosome abnormalities in AIDS-related lymphadenopathy. Blood 69: 855-858.
30. Richardson, M.E., Quanquang, C., Filippa, D.A., Offit, K.O., Hampton, A., Koduru, P.R.K., Jhanwar, S.C., Lieberman, P.H., Clarkson, B.D., Chaganti, R.S.K. 1987. Intermediate to high grade histology lymphomas carrying t(14;18) is associated with additional nonrandom chromosome changes. Blood 70: 444-447.
31. Chaganti, R.S.K., Koduru, P.R.K. 1987. Patterns of chromosome breakage in non-Hodgkin's lymphoma: significance of gene alteration in tumorigenesis. Cytogenet. Cell Genet. 45: 93-98.

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36. Offit, K., Koduru, P.R.K., Hollis, R., Filippa, D.A., Jhanwar, S.C., Clarkson, B., Chaganti, R.S.K. 1989. 18q21 rearrangement in diffuse large cell lymphoma: incidence and clinical significance. Br. J. Haematol. 72:178-193.
37. Koduru, P.R.K., DiCostanzo, D., Jhanwar, S.C. 1989. Nonrandom cytogenetic changes characterize Merkel cell carcinoma. Dis. Mar. 7: 153-161.
38. Koduru, P.R.K., Offit, K., Jhanwar, S.C. 1989. Molecular analysis of structural chromosome changes affecting chromosome band 11q23. Dis. Mar. 7: 145-152.
39. Koduru, P.R.K. Offit, K., Filippa, D.A. 1989. Molecular analysis of breaks in BCL-1 proto-oncogene in B-cell lymphomas with abnormalities of 11q13. Oncogene 4: 929-934.
40. Koduru, P.R.K., Offit, K., Filippa, D.A., Lieberman, P.H., Jhanwar, S.C. 1989. Cytogenetic and molecular genetic analysis of abnormal cells in Hodgkin's disease. Cancer Genet. Cytogenet. 43: 109-119.
41. Sun, T., Susin, M., Desner, M., Pergolezzi, R., Cuomo, J., Koduru, P. 1990. The clonal origin of two cell populations in Richter's syndrome. Hum. Pathol. 21: 722-728.
42. Chaganti, R.S.K., Koduru, P.R.K., Chakraborty, R., Jones, W.B. 1990. Genetic origin of trophoblastic carcinoma. Cancer Res. 50: 6330-6333.
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47. Sun, T., Susin, M., Koduru, P., Coffey Jr. E.L., Weiss, R., Dittmar, K., Goh, J., Brody, J. 1991. Extranodal blast crisis in chronic myelogenous leukemia. Demonstration of T-cell lineage and Philadelphia chromosome in a paraspinal tumor. Cancer 68: 605-610.
48. Koduru, P.R.K., Goh, J.C., Broome, J.D. 1992. Novel restriction fragment length polymorphism in the cellular oncogene SEA. Hematol. Pathol. 6: 71-78.
49. Sun, T., Schulman, P., Kolitz, J., Susin, M., Brody, J., Koduru, P., Muse, W., Hombal, S., Teichberg, S., Broome, J. 1992. A study of lymphoma of large granular lymphocytes with modern modalities: Report of two cases and review of literature. Am. J. Hematol. 40: 135-145.
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51. Sun, T., Susin, M., Koduru, P., Dittmar, K., Yamnopoulos, K., Mahapatro, D., Rogers, C. 1992. Phenotyping and genotyping of composite lymphoma with KI-1 component. Hematol. Pathol. 6: 179-192.
52. Lichtman, S., Brody, J., Kaplan, M., Susin, M., Koduru, P., Goh, J.C. 1993. Hodgkin's disease and non-Hodgkin's lymphoma in an HIV positive patient. Leukemia Lymphoma 9: 393-398.
53. Koduru, P., Susin, M., Schulman, P., Cattell, D., Goh, J., Karp, L., Broome, J.D. 1993. Phenotypic and genotypic characterization of Hodgkin's disease. Am. J. Hematol. 44: 117-124.

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Clinical Practice Guidelines

1.	

Non-peer reviewed scientific or medical publications/materials in print or other media

1.	