

Radhika Pochampally
Tulane University Health Science Center
SL-99
New Orleans, LA-70112

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
M. S. University of Baroda, Baroda, India	M. Sc.	1995	Biotechnology
Louisiana University Medical Center, New Orleans	M. S.	1998	Microbiology
Louisiana State University Medical Center, New Orleans	Ph.D.	2000	Microbiology/ Biochemistry

PROFESSIONAL EXPERIENCE

1995-1996	Research Associate, Dept. of Biochemistry, National Chemical Laboratories, Pune, India
1996-1999	Lecturer, Nursing Microbiology, Louisiana State University Medical Center, New Orleans, LA.
1996-1999	Laboratory Instructor, Medical Microbiology, Louisiana State Medical Center, New Orleans, LA.
1999-2000	Research Associate, H. Lee Moffitt Cancer Center, Tampa, FL.
2000-2003	Postdoctoral Fellow, Tulane University Health Sciences Center, New Orleans, LA.
2003 -2005	Research Instructor, Department of Pharmacology and Center for Gene Therapy, Tulane University Health Sciences Center, New Orleans, LA.
2005 -	Assistant Professor, Department of Pharmacology and Center for Gene Therapy, Tulane University Health Sciences Center, New Orleans, LA.

HONORS AND AWARDS

1978-1993	Scholarship for the Department of Telecommunications of India
Jan. 1993	First Prize, Model of Sewage Treatment System. Annual Science Exhibition, University of Bombay, India
1993-1995	Scholarship for M.Sc. (Biotechnology) Department of Biotechnology of India
1997	Second Prize, Poster Session at Twenty-first annual interdisciplinary Cancer Workshop
1999-2000	Who's Who Award
1999-2000	Cancer Association of Greater New Orleans, research grant for students
1995-2000	Fellowship for Ph.D., Council of Scientific and Industrial Research of India (discontinued in 1996)
2002-2005	National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Research Service Award post doctoral Fellowship
2003	Travel Award to International Society of cell therapy conference.
2005	Travel Award to International Society of cell therapy conference

RESEARCH PROJECTS ONGOING

Characterization of primitive adult stem cells from bone marrow stroma (MSCs) and cancer stem cells of bone cancers.

List of Publications

1. **Pochampally R**, Horwitz EM, and Prockop DJ (2005) Rescue of the Protein Defect by Over-expression of COL1A1 cDNA in Marrow Stromal Cells (MSCs) from a Patient with Osteogenesis Imperfecta *Gene Ther.* Apr 7; [Epub ahead of print]

2. **Pochampally R**, Neville BT, Schwarz EM, Li M.M and Prockop DJ (2004) Rat Adult Stem Cells (MSCs) Engraft and Differentiate in Chick Embryos without Evidence of Cell Fusion *Proc Natl Aca Sci. USA* 101(25):9282-5. Epub 2004 Jun 14.
3. Smith J *, **Pochampally R** * and Prockop DJ (2004) Isolation of highly clonogenic progenitors from cultures of adult stem cells from bone marrow stroma *Stem Cells* 22:805-813. (* equal contribution).
4. **Pochampally R**, Smith J and Prockop DJ (2004) serum Deprivation of Human Marrow Stromal Cells (hMSCs) Selects for a Sub-Population of Early Progenitor Cells with Enhanced Expression of OCT-4 and Other Embryonic Genes. *Blood* ;103(5):1647-57
5. **Pochampally R**, Smith J, Sekiya I, Colter DC and Prockop DJ (2003) Selection Of Rapidly Self Renewing Cells From Cultures Of Adult Stem Cells From Bone Marrow Stroma. Chapter 5 in book published by Ministerio De Sanidad Y Consumo, NIPO: 351-03-001-5 (I.S.B.N.- 84-7670-641-3) .
6. Sekiya I, Larson B, Smith J, **Pochampally R** and Prockop DJ (2002) Expansion of Human Adult Stem Cells from Bone Marrow Stroma (MSCs). *Stem Cells* ;20(6):530-41.
7. **Pochampally R**, Li C, Lu W, Luftig R and Chen J. (2000) Temperature sensitive mutants of p53 homologs. *Biochem Biophys Res Commun.* 279 (3): 1001-1010
8. Lu W, **Pochampally R**, Chen L, Traidej M, Wang Y and Chen J. (2000) Nuclear exclusion of p53 in a subset of tumors requires MDM2 function. *Oncogene.* 19(2): 232-40
9. **Pochampally R**, Fodera B, Chen L, Lu W and Chen J. (1999) Activation of an MDM2-specific caspase by p53 in the absence of apoptosis. *J Biol Chem.* 274(21): 15271-15277
10. **Pochampally R**, Fodera B, Chen L, Lu W and Chen J. (1998) A 60 kd MDM2 isoform is produced by caspase cleavage in nonapoptotic tumor cells. *Oncogene.* 17 (20): 2629-36
11. **Pochampally R**, Ylostalo J, Matz R, Smith J and Prockop DJ (2005) Transcriptome Analysis of Mineralizing Cultures of Adult Stem Cells from Human Bone Marrow (In Preparation).
12. Ylostalo J, Smith J, **Pochampally R**, Robert Matz, Ichiro Sekiya, Benjamin L. Larson, Jussi Vuoristo, Prockop DJ (2005) Use of Microarrays to Identifying New Downstream Target Genes for Transcription Factors. Application to the Differentiation of Adult Stem Cells (MSCs) into Chondrocytes and Adipocytes (In review JBC).

Abstracts and Presentations:

1. **Radhika R. Pochampally** (2005)Characterization of Early Progenitor Cells with Enhanced Expression of Oct-4 and other Embryonic Genes from Bone Marrow Stroma: At Department of Pharmacology, Tulane University, March 16th 2005.
2. **Radhika R. Pochampally** (2005) Time Course Transcriptome Analysis of Mineralizing Adult Stem Cell Cultures (MSCs): Strategy to Identify Down Stream Targets of VDR Transcription Factor. Pennigton biomedical research center:, Baton Rouge
3. **Radhika R. Pochampally**, Brian T. Neville, Emily J. Schwarz, Marilyn M. Li and Darwin J. Prockop (2003) Cell fusion is not necessary for Engraftment into Chick Embryos of Rat Adult Stem Cells from Bone Marrow (MSCs) *Cytotherapy* (In Press).
4. **Radhika R. Pochampally**, Brian T. Neville, Edwin M. Horwitz, and Darwin J. Prockop (2003) Rescue of the Protein Defect by Over-expression of COL1A1 cDNA in Marrow Stromal Cells (MSCs) from a Patient with Osteogenesis Imperfecta *Cytotherapy* (In Press).
5. **Radhika Pochampally** (2003). An oral presentation given at the International society of cell therapy conference, Pheonix, AZ, May 31st.
6. **Radhika Pochampally** (2002). An oral presentation given at “Generalitat Valenciana”, Valencia, Spain – October 14th.
7. **Radhika Pochampally** (1999) An oral presentation given at the Gordon conference on tumor suppressor genes on august 13th.
8. **Radhika R Pochampally**, Jason R Smith and Darwin J Prockop (2003) A sub- fraction of cells in cultures of human adult stem cells from Bone Marrow Stroma (MSCs) are resistant to serum starvation, *Cytotherapy* Volume 5, Number 2.
9. Jason R. Smith, **Radhika Pochampally**, and Darwin J. Prockop (2003) Isolation and Characterization of progenitor Marrow Stromal Cells (MSCs) in Expanded Cultures, *Cytotherapy* Volume 5, Number 2..

10. **Radhika Pochampally**, Brent Fodera, Lihong Chen, Wenge Lu and Jiandong Chen (1999) Activation of an MDM2-specific caspase by p53 in the absence of apoptosis. Presented at 22nd annual Interdisciplinary cancer research workshop, LSU Medical Center, New Orleans, LA.
11. **Radhika Pochampally**, Brent Fodera, Lihong Chen, Weijian Shao, Edward Levin and Jiandong Chen (1998) A 60 kd MDM2 isoform is produced by caspase cleavage in non-apoptotic tumor cells (1998). Presented at 51st Annual Symposium of Fundamental Cancer Research. M.D. Anderson Cancer Center, Houston, Texas.
12. **Radhika Pochampally**, Brent Fodera, Lihong Chen, Weijian Shao, Edward Levin and Jiandong Chen (1998). Characterization of a 60 kd MDM2 isoform is produced in non-apoptotic tumor cells. Presented at 21st Annual Symposium of Interdisciplinary cancer research workshop, Tulane University, LA.

Theses and Dissertation:

M.Sc

Production of Lysine from Caprolactam by Pseudomonas Spp; Submitted to the Department of Biotechnology, M.S. University of Baroda, India.

M.S.

A 60 kd MDM2 isoform is produced by caspase cleavage in non-apoptotic tumor cells; Submitted to the Department of Microbiology, Immunology and Parasitology, Louisiana State University Medical Center, LA.

Ph.D.

A study of MDM2 and p53 homologs; Submitted to the Department of Microbiology, Immunology and Parasitology, Louisiana State University Medical Center, LA.

Patent:

Darwin Prockop, et al. (2003) "Enhanced growth of adult stem cells" provisionally submitted (reference number 053909-5003-00).