

CURRICULUM VITAE

DANNY N. DHANASEKARAN Ph.D.

(24 PAGES)

PERSONAL

Business Address: Stephenson Oklahoma Cancer Center, OUHSC
975 NE 10th Street 1417 BRC West
Oklahoma City, 73104

Business Telephone: (405) 271-6850
Fax: (405) 271-2507

Birth Date: May 14, 1953

Citizenship: USA

EDUCATION AND TRAINING

	DATES	DEGREE/YR/SUBJECT	
Undergraduate School:			
St. John's College, Palayamkottai, Tamilnadu State, INDIA	1971-74	B.S., 1974,	Chemistry
Graduate School:			
Madurai University, Madurai, INDIA	1974-76	M.S., 1976,	Molecular Biology
Indian Institute of Science Bangalore, INDIA	1977-84	Ph. D., 1985,	Biochemistry

Postdoctoral Experience:

Laboratory of Dr. Arnold E. Ruoho, University of Wisconsin,
Madison, WI
"Structure and Function Analysis of G Protein α -subunits" 1985-88

Laboratory of Dr. Gary L. Johnson, National Jewish Center for
Immunology and Respiratory Medicine, Denver, CO
"Genetic Analysis of G Protein α -subunit Regulatory Domains" 1988-90

Academic Honors and Awards:

University I Rank Award in Chemistry	Madurai University, INDIA	1974
U.G.C Meritorious fellowship	Madurai University, INDIA	1975-1976

APPOINTMENTS

Associate Scientist, Department of Pharmacology University of Wisconsin School of Medicine, Madison, WI		1990-1992
Assistant Professor of Biochemistry Temple University School of Medicine		1992-1998
Associate Professor of Biochemistry Temple University School of Medicine		1998-2008
Associate Professor, Department of Obstetrics, Gynecology, and Reproductive Sciences, Temple University School of Medicine, Philadelphia, PA		1999-2008
Professor of Biochemistry Temple University School of Medicine, Philadelphia, PA		2008-2009
SNU-WCU Visiting Professor, College of Pharmacy, Seoul National University, Seoul, Korea		2009-2014
Professor of Cell Biology College of Medicine The University of Oklahoma Health Sciences Center Oklahoma, OK 73104		2009-present
Adjunct Professor of Pharmaceutical Sciences College of Pharmacy The University of Oklahoma Health Sciences Center Oklahoma, OK 73104		2009-present
Director, Center for Basic Cancer Research OU Cancer Institute The University of Oklahoma Health Sciences Center Oklahoma, OK 73104		2009-present
Deputy Director for Basic Research OU Cancer Institute The University of Oklahoma Health Sciences Center Oklahoma, OK 73104		2009-present

PROFESSIONAL ACTIVITIES

EDUCATIONAL/TEACHING:

Co-participant, Biochemistry Course M-565 "Metabolism and Function of Lipids" (Course Director: Drs. R. A. Pieringer), Temple University School of Medicine, Philadelphia (TUSM)	4 hours	Fall 1993
Co-participant, Biochemistry 523 "Enzymes and Proteins" (Course Director: Dr. D. E. Ash), TUSM	2 hours	Fall 1993
Co-participant, Introduction to Research Methodology # 508, 511, TUSM	12 hours	1993, 1995
Co-participant, Seminar Course M505, TUSM	9 hours	1994 – 2009
Co-participant, Seminar Course M506, 605, TUSM	9 hours	1996 – 2009
Co-participant, Anatomy 508 "Fundamentals of Cell Biology" (Course Director: Dr. Mark Black), TUSM	3 hours	Fall 1994
Co-participant, Anatomy 508 "Fundamentals of Cell Biology" (Course Director: Dr. Mark Black), TUSM	3 hours	Fall 1996
Co-participant, Molecular Genetics 501 "Molecular Biology of the Eukaryotic Cell" (Course Director: Dr. Dan A. Lieberman), TUSM Temple University School of Medicine	3 hours	Fall 1995 – 2005
Co-participant, Molecular Genetics 0504 "Advanced Topics in Molecular Genetics" (Course Director: Dr. B. Hoffmann), TUSM	15 hours	Spring 1997 – 2002
Co-participant, Medical Biochemistry M119 (Course Director: Dr. J. Burke)	4 hours	Spring 2001 – 2005
Co-participant, Block II "Elements of Bioscience", TUSM	4 hrs	Fall 2006 – 2009
Co-participant, Podiatric Biochemistry (Course Director: Dr. J. Burke), TUSM Temple University School of Medicine	3 hours	Spring 2006 – 2009
Course Director, Molecular Genetics 0605, 0606, 0607 "Mol. Biol. & Genetics Seminars", TUSM	6 hours	2002 – 2009
Course Director, Molecular Genetics 0509/9402 "Mol. Biology of Signal Transduction", TUSM	9 hrs	2005 – 2009
Course Director, Molecular Pharmacology "Signal Transduction & Cancer Biology", Seoul National University, Seoul, S. Korea (SNU)	20 hrs	Fall 2009

GRADUATE STUDENTS SUPERVISED

Mr. Jonathan Dermott	1993-1999
Ms. Cynthia Villalta	2000-2003
Ms. Rashmi Kumar	2000-2005
Ms. Kimia Kashef	2001-2006
Mr. Rangasudhagar Radhakrishnan	2001-2007
Mr. Zachariah Goldsmith	2004-2009
Mr. Jack Gardner	2004-2009
Mr. Jeremy Ward	2010-2014

OTHER STUDENTS AND INTERNS SUPERVISED

Mr. Ryan Dorfman	Research Rotation	Spring 1995
Ms. Dara Sakolsky	Research Rotation	Spring 1995
Mr. John F. Kennedy	Research Rotation	Spring 1996
Ms. Wei Zhang	Research Rotation	Fall 1996
Mr. Quan Le	Research Rotation	Fall 1996
Mr. Quang Nguen	Research Rotation	Fall 1998
Mr. Santos	Research Rotation	Spring 1999
Ms. Crystal Nguyen	Federal Work Study Program	1997-1999
Ms. Natasha Washington	NIH MARC Summer Trainee	1994-1996
Ms. Julia Mathai	Summer Internship	Summer 1996
Ms. Kelly Wetherhold	Undergraduate Student	Summer 1997
Ms. Collete Webster	Undergraduate Student	1997 - 1998
Ms. April Harper	NIH MARC Summer Trainee	1997 -1998
Ms. Ciana Hayes	NIH MARC Summer Trainee	1997 – 1998
Ms. Kelie Reece	NIH MARC Summer Trainee	1999 - 2000
Mr. Joseph Williams	NIH MARC Summer Trainee	2004 – 2006
Ms. Haritha Reddy	Research Rotation	Fall 2003
Ms. Sumedha Chugh	Research Rotation	Spring 2008
Ms. Silvia Maifrede	Research Rotation	Spring 2008
Ms Morgan Dawkins	NIH MARC Trainee	Summer 2008
Ms. Inimai Rathinavel	Research Scholar	2008-2009
Ms. Tanya Watts	SCC Summer intern	2010; 2011
Ms. Kathleen Evans	SCC Summer Intern	2010; 2011
Ms. Macey Lawson	SCC Summer Intern	2012
Ms. Christa Riggs	SCC Summer Intern	2013
Ms. Andrea Kellogg	SCC Summer Intern	2013
Mr. Varun Enamuri	SCC Summer Intern	2013-2014
Mr. Austin McGinnis	SCC Summer Intern	2014
Ms. Elizabeth Chacko	SCC Summer Intern	2014
Mr. Reese Weingaertner	SCC Summer Intern	2015
Mr. Jiali Dong	SCC Summer Intern	2015

POST-DOCTORAL FELLOWS SUPERVISED:

Mr. R. Radhakrishnanan, Ph.D.	2013-present
Ms. R. Gomathinayagam, Ph.D.	2010-present
Mr. M. Yan, Ph.D.	2008-present
Ms. L. Varadarajalu, Ph.D.	2008-2010
Mr. M. Jeyaraman, Ph.D.	2008-2012
Ms. F. Pereira, Ph.D.	2007-2009
Mr. G. Venkatraman, Ph.D.	2007-2008
Ms. J. Ha, Ph.D.	2001-2010
Mr. M. Jeyaraman, Ph.D.	2001-2005
Ms. V. Radhika, Ph.D.	2000-2005
Mr. M. Bamne, Ph.D.	2003-2004
Ms. T. Proikas-Cezanne, Ph.D.	2000-2002
Mr. S. Rane, M.D.	2000-2002
Mr. M. Milkewich, Ph.D.	2000-2001
Ms. D. Tadi-Onesime, Ph.D.	1997-2000
Mr. S-T. Tsim, Ph.D.	1997-1998
Mr. G. Gebauer, Ph.D.	1996-1997
Ms. S. J. Wadsworth, Ph.D.	1996-1997
Mr. M. V. V. S. Vara Prasad, Ph.D.	1993-1995
Mr. P. Ramaraj, Ph. D	1993-1994

RESEARCH:

NATIONAL/INTERNATIONAL RECOGNITIONS:

Ad-Hoc Reviewer in the Following Professional Publications:

Acta Biochimica et Biophysica	reviewer	2007-present
American Journal of Physiology	reviewer	2005-present
BBA-Molecular Cell Research	reviewer	2005-present
Biochemistry	reviewer	2005-present
Biochemical Pharmacology	reviewer	2005-present
Bioorganic & Medicinal Chemistry Letters	reviewer	2003-present
Biotechnology Journal	reviewer	2006-present
Blood	reviewer	2006-present
BMC Cancer	reviewer	2007-present
Breast Cancer Research and Treatment	reviewer	2007-present
Cancer Letters	reviewer	2013-present
Cancer Research	reviewer	2003-present
Chemical Senses	reviewer	2009-present
Clinical Cancer Research	reviewer	2008-present
Current Molecular Medicine	reviewer	2007-present
Evolutionary Bioinformatics	reviewer	2015-present

Experimental Cell Research	reviewer	1994-present
FASEB Journal	reviewer	1997-present
Free Radical Biology & Medicine	reviewer	2001-present
Frontiers in Bioscience	reviewer	2001-present
Gene	reviewer	2005-present
Genes and Cancer	reviewer	2009-present
Genes, Chromosomes and Cancer	reviewer	2006-present
Genomics	reviewer	2008-present
Journal of Biological Chemistry	reviewer	1997-present
Journal of Brain Research	reviewer	2003-present
Journal of Cell Sciences	reviewer	2006-present
Journal of Cellular Biochemistry	reviewer	2003-present
Journal of Cellular Physiology	reviewer	2005-present
Journal of Clinical Investigation	reviewer	1997-present
Journal of Molecular Biology	reviewer	2015-present
Journal of Neurochemistry	reviewer	1996-present
Molecular Brain Research	reviewer	2003-present
Molecular Cancer Research	reviewer	2006-present
Molecular Cancer Therapeutics	reviewer	2006-present
Molecular Carcinogenesis		
Molecular and Cellular Biology	reviewer	2006-present
Molecular Pharmacology	reviewer	1997-present
Molecular Reproduction and Development	reviewer	2007-present
Oncogene	reviewer	1992-present
Oncotarget	reviewer	2014-present
Proceedings of National Academy of Science	reviewer	2013-present
Pancreas	reviewer	2008-present
Sensors	reviewer	2007-present
Science Signaling	reviewer	2008-present
Tumor Biology	reviewer	2015-present

Number of manuscripts reviewed: An average of 12 per year

Guest Editor for the Review Issues of “Oncogene”:

Oncogene, Vol. 17, No. 11, 1999
Oncogene, Vol. 20, No. 13, 2001
Oncogene, Vol. 26, No. 22, 2007

Editorial Board Member:

Faculty 1000, Cell Biology Editorial Group
Genes and Cancer
Molecular Carcinogenesis

Founding Editor and Editor in Chief:

Journal of Molecular Signaling

PEER REVIEW COMMITTEES:

Research Grants Commission, Hong Kong, China	1997-present
Signal Transduction Study Section, NSF	1998-2005
Ad Hoc Reviewer, MEP1 Study Section, NCI, NIH	2000-2002
Ad Hoc Reviewer, CAMP Study Section, NCI, NIH	2003
Ad Hoc Reviewer, U.S. Army Research Office, Durham, NC	2000-present
Ad Hoc Counselor, NIH Board of Scientific Counselors, Oral and Pharyngeal Cancer Branch, National Institute of Dental and Craniofacial Research, NIH, Bethesda MD	2000-present
Peer Reviewer, Philip Morris External Research Program	2001-present
Chartered member, TCB Study Section, NCI, NIH	2002-2006
Susan Komen Breast Cancer Foundation	2005-present
DoD CDMRP Prostate Cancer Research Program	2006-present
DoD CDMRP Breast Cancer Research Program	2007-present
Ad Hoc Reviewer, Agency for Science, Technology and Research's Biomedical Research Council, Singapore	2008
Ad Hoc Reviewer, NIH/NIGMS, R13 Grants	2008
Ad Hoc Reviewer, Biotechnology Research Grant Program, North Carolina Biotechnology Center, Research Triangle Park, NC	2006, 2009
Swiss Cancer League	2009-present
Ad Hoc Reviewer, American Heart association, CSS3	2009-present
Netherlands Organization for Scientific Research (NWO)	2009-present
Ad Hoc Reviewer, TCB Study Section, NIH	2009-present
Ad Hoc Reviewer, MIST Study Section, NIH	2009-present
Ad Hoc Reviewer, ZRG1 Study Section, NIH	2009-present
Ad Hoc Reviewer, MONC Study Sectyion, NIH	2010-present

Consultant:

Fermenich SA, Rue de la Bergère 7, Meyrin 2 CH-1217 Switzerland	2008-2010
Aromix Corporation, Los Altos, CA, USA	2008-present
Excet Inc. Springfield, VA 22151, USA -commercia Arm of Department of Defense, USA	2009-present

Invited Research Presentations (selected from over 100):

“Regulation of Cell Growth and Development by G Proteins” DNAX Research Institute, Palo Alto, CA	Feb. 13, 1998
“Regulation of Cell Growth and Development by G Proteins” Indian Institute of Science, Bangalore, India	July 17, 1998
“G proteins to G sensor” Department of Pharmacology, TUSM, Philadelphia, PA	Dec. 06, 2000
“Transforming G Proteins” Indian Institute of Science, Bangalore, India	July 31, 2001
“From Genomics to Proteomics” University of Hyderabad, Hyderabad, India	Aug. 04, 2001
“Signals from the G12-family of G Proteins” University of Pennsylvania, Philadelphia, PA	Sep. 23, 2001
“Detection of Chemical Agents Using Engineered Yeast-based Biosensor” Atto Biosciences, Rockville, MD	Nov. 01, 2001
“Olfactory Receptors” GPCR Symposium, New Delhi, India	Dec. 21, 2001
“Signaling by GPCRs” 53 rd Indian Pharmaceutical Congress, New Delhi, India	Dec. 20, 2001
“Biosensors in Pharmaceutical Industry” 54 rd Indian Pharmaceutical Congress, Pune, India	Dec. 13, 2002
“Ga12 and Ga13 mediated Cell Signaling” Seoul National University, Seoul, Korea	Dec. 18, 2002
“Smart Yeast-based Biosensors: Strategies and Application” NASA Ames Research Center, Moffett Field, CA	Mar 26, 2003
“G Protein Coupled Receptors: Signaling to New Paradigms and Targets” Glaxo-Smith Kline Pharmaceuticals, King of Prussia, PA	Nov 10, 2003
“G12-family of G proteins in Cell Proliferation and Migration” X FAOBMB Congress, Bangalore, India.	Dec 11, 2003
“Olfactory Yeasts for the Detection of Chemical and Biological Warfare Agents” Pervasive Biosensors, San Jose, CA	Jan 06, 2004
“The G _{ep} Oncogene” Geisinger Clinic, Danville, PA	June 22, 2006
“Artificial Nose Biosensor” WIRED FEST, Los Angeles, CA	Sep 14, 2007
“Olfactory Signaling Biosensor” Northrop Grumman Corporation, Linthicum, MD	Jan 14, 2008
“Olfactory Signaling: Paradigm and Perspectives” DARPA Industry Day Symposium, Arlington, VA	Jan 15, 2008
“Tracing the Pathways from the <i>g_{ep}</i> Oncogenes” Oral and Pharyngeal Cancer Branch, NIH	Jan 28, 2008
“Signaling by the “ <i>g_{ep}</i> ” oncogenes” Department of Pathology, Wayne State University, Detroit, MI	Jan 30, 2008
“The <i>g_{ep}</i> oncogenes and Tumor Cell Metastasis” Pathology Grand Rounds, Virginia Commonwealth University,	

Richmond, VA	Apr 25, 2008
“GPCRs and G Proteins: Targets for Drug Development” The 1st st IDRC International symposium: Potential Drug Targets for Metabolic and Inflammatory Disease, Seoul National University Seoul, Korea	Apr 30, 2008
“GPCRs and G Proteins: Newer Paradigms and Novel Applications” The 16 th Federation Meeting of Korean Basic Medical Scientists 2008 Seoul, Korea	May 02, 2008
“The <i>gеп</i> oncogenes in Tumor Progression and Metastasis” Barbara Ann Karmanos Cancer Institute & Translational Research Seminar Series, Detroit, MI	June 10, 2008
“The <i>gеп</i> oncogenes in Tumor Progression and Metastasis” Oklahoma Cancer Institute & Department of Cell Biology Oklahoma Health Sciences Center, Oklahoma City, OK	June 26, 2008
“Heterologous Expression of Olfactory Receptors for Targeted Chemosensing” XV International Symposium on Olfaction and Taste San Francisco, CA	July 23, 2008
“Heterologous Expression of Olfactory Receptors” Monell Chemical Senses Center, Philadelphia, PA	July 29, 2008
“The <i>gеп</i> oncogenes in Tumor Progression and Metastasis” Department of Biochemistry & Molecular Biology Thomas Jefferson School of Medicine, Philadelphia, PA	Aug 14, 2008
“G Protein Signaling: Novel Applications” Madurai Kamaraj University, Madurai, India	Dec 30, 2008
“G Protein Signaling: Newer Insights and Applications” Mount Sinai School of Medicine, New York, NY	Jan 20, 2009
“The Engineering of Olfactory Biosensor” BITS 2 nd Annual World Conference of Industrial Biotechnology- iBio-2009, Seoul, Korea	Apr 5, 2009
“Targeting GPCRs for Chemoprevention” International Symposium on Frontiers in Cancer research, Incheon, Korea	Nov 25, 2011
“GPCRs: Emerging Druggable Targets for Ovarian Cancer Therapy” SNUCRI & SNUCH Cancer Symposium, Jeju, S. Korea	May 4, 2013
“G Protein Signaling in Tumor Cell Growth and Metastasis” SNUCRI & KUCRI Symposium, Seoul, S. Korea	July 10, 2013
“LPA-mediated Invasive Migration of Ovarian Cancer Cells Involves the <i>gеп</i> and the <i>gip2</i> oncogenes” The 18 th Annual Meeting of the Korean Society of Cancer prevention Seoul, S. Korea	Dec 14, 2013
“Orchestrating Tumor Microenvironment-Dual Role of LPA” 19 th Annual Meeting of the Korean Society of Cancer Prevention, Seoul, Korea	Dec 14, 2014
“UCA1, A Novel Signaling Nexus in Cance Progression and Recurrence” Indian Institute of Science, Bangalore, India	Mar 15, 2015
“lncRNAs: New Links in Ovarian Cancer Pathobiology”	

The 34 th Sapporo International Cancer Symposium, Sapporo, Japan “Long Non-coding RNAs in Cancer”	Jun 26, 2015
Basic to Translational Medicine International Mini-Conference Mahidol University, Bangkok, Thailand	Oct 20, 2015
“Targeting Ovarian Cancer with Phytochemicals: Studies with Thymoquinone Chulalongkorn University, Bangkok, Thailand	Oct 21, 2015

Invited to Write Reviews in the Following Peer-Reviewed Journals:

1. Dhanasekaran, N. and Dermott, J.M., 1996. Signaling by G12 Class of G proteins. *Cell. Signalling* 8, 235-245
2. Dhanasekaran, N. and Vara Prasad. M.V.V.S. 1998. G Protein Subunits and Cell Proliferation. *Biol. Sig. Rec.*, 7, 109-117.
3. Dhanasekaran, N. 1998. Cell Signaling: An Overview. *Oncogene* 17, 1329-1330.
4. Dhanasekaran, N., Tsim, S.-T., Dermott, J.M., and Onesime, D. 1998. G Proteins in Cell Growth, Differentiation and Oncogenesis. *Oncogene* 17, 1383-1394.
5. Dhanasekaran, N., and Reddy, E. P. 1998. Dual Specificity Kinases. *Oncogene* 17, 1447-1455.
6. Dhanasekaran, N., Wu, Y-K., and Reece, E.A. 1999. Signaling pathways and diabetic embryopathy. *Sem. Reprod. Endocrinol.* 17, 167-174.
7. Dhanasekaran, N., and Gutkind, S.J. 2001. Signaling by G proteins and G protein coupled receptors: a perspective. *Oncogene* 20, 1530.
8. Radhika, V. and Dhanasekaran, N. 2001. Transforming G proteins. *Oncogene* 20, 1607-1614.
9. Dermott, J.M., and Dhanasekaran, N. 2002. Strategies for determining the cellular role of $G\alpha_{12}$. *Meth. Enzymol.* 344, 298-309.
10. Dhanasekaran, D.N., (2006). An open access journal of molecular signaling: a critical need at a critical time. *J. Mol. Signal.* 1, 1-2.
11. Dhanasekaran, D.N. (2006). Transducing the signals: a G protein takes a new identity. *Sci. STKE* 2006 Aug 8;2006 (347):pe31.
12. Dhanasekaran, D.N., Kashef, K., Lee, C.M., Xu, H., and Reddy, E.P. (2007) Scaffold proteins of MAP-kinase modules. *Oncogene*, 26, 3185-3202.
13. Goldsmith, Z.G., and Dhanasekaran, D.N. (2007) G Protein regulation of MAPK networks. *Oncogene*, 26, 3122-3142.
14. Dhanasekaran, D.N, and Johnson, G.L. (2007) MAPKs: function, regulation, role in cancer and therapeutic targeting. *Oncogene*, 26, 3097-3099.
15. Dhanasekaran, D.N, and Reddy, E.P. (2008) JNK signaling in apoptosis. *Oncogene*, 27, 6245-6251.
16. Dhanasekaran, D.N, and Reddy, E.P. (2010) MAP-kinases and their scaffolding proteins. in Ari Sitaramayya (Ed) *Signal Transduction: Pathways, Mechanisms and Diseases*. Springer, Berlin, Heidelberg, New York.
17. Dhanasekaran, D.N. (2009). “Rock1 and Rho functions in cell growth and development in K.W. Jeon (Ed) *International Review of Cytology* (press).

RESEARCH COLLABORATIONS (1995 – present)

- E. Premkumar Reddy, Ph.D., Fels Institute, Temple University School of Medicine, Philadelphia, PA 19140.
- Steven G. Kelsen, M. D., Department of Pulmonary Medicine, Temple University School of Medicine
- C. Chandra Kumar, Ph. D., Schering-Plough Research Institute, Kenilworth, NJ
- Koneti Rao, M.D., Thrombosis Research Center, Temple University School of Medicine, Philadelphia, PA
- George van Rossum, Ph. D., Department of Pharmacology, Temple University School of Medicine, Philadelphia, PA
- Chang Ho Lee. Ph.D., Department of Pharmacology, Hanyang University, College of Medicine, Seoul, Korea.
- Augustine T. Peter, Ph.D., Department of Veterinary Medicine, Purdue University, West Lafayette, IN
- Larry Rothblum, Geisinger Clinic, PennState University, Danville, PAE. Albert Reece, M.D., Dean, College of Medicine, University of Arizona, Little Rock, AR
- Atto Biosciences. Rockville, MD
- Rita Briggs, Ph.D. NASA Ames Research Center, Moffett Field, CA
- Aromyx, Palo Alto, CA
- Cellular Bioengineering, Honolulu, HI
- Rajesh Naik, Ph.D., Air Force Research Laboratory, Wright-Patterson Air Force Base, OH
- Firmenich S.A., Geneva, Switzerland

PROFESSIONAL ORGANIZATIONS

Member, American Society for Cell Biology	1988-present
Member, American Society for Biochemistry and Molecular Biology	1996-present
Member, American Society for the Advancement of Science	1995-present

COMMITTEES:

Study Section: Research Grants Commission, Hong Kong, China	1997-present
Biosafety Committee, MCP-Hahneman University	1997-2002
Signal Transduction Study Section, NSF, Washington, D.C.	1998-2003
Ad Hoc Reviewer, MEP1 Study Section, NCI, NIH	2000-2002
Ad Hoc Reviewer, U.S. Army Research Office, Durham, NC	2000-2013
Ad Hoc Counselor, NIH Board of Scientific Counselors, Oral and Pharyngeal Cancer Branch, National Institute of Dental and Craniofacial Research, NIH, Bethesda MD	2000-2014

Peer Reviewer, Philip Morris External Research Program	2001-2009
Chartered Member, MEP1 Study Section, NCI, NIH	2002-2003
Chartered Member, TCB Study Section, NCI, NIH	2002-2006
Susan Komen Breast Cancer Foundation	2005-present
DoD CDMRP Prostate Cancer Research Program	2006-present
DoD CDMRP Breast Cancer Research Program	2007-present
Ad Hoc Reviewer, Agency for Science, Technology and Research's Biomedical Research Council, Singapore	2008
Ad Hoc Reviewer, NIH/NIGMS, R13 Grants	2008
Ad Hoc Reviewer, Biotechnology Research Grant Program, North Carolina Biotechnology Center, Research Triangle Park, NC	2006, 2009
Swiss Cancer League	2009-present
Ad Hoc Reviewer, TCB Study Section, NIH	2009-present
Ad Hoc Reviewer, MIST Study Section, NIH	2009-present
Ad Hoc Reviewer, ZRG1 Study Section, NIH	2009-present
Ad Hoc Reviewer, American Heart association, CSS3	2009-present
Netherlands Organization for Scientific Research (NWO)	2009-present
Ad Hoc Reviewer, AAAS Research Competiveness Program Review Committee	2010-2013
Ad Hoc Reviewer, MONC Study Section, NIH	2011
Ad Hoc Reviewer, TME Study Section, NIH	2014
Ad Hoc Reviewer, ZRG OBT-H Study Section, NIH	2015
Ad Hoc Reviewer, ZRG1-F09B Study Section, NIH	2015-present

RESEARCH AWARDS & HONORS:

Acres of Diamond award, Temple University	1998
Million Dollar Research Awards Club Temple University	2003-2009
Samuel Roberts Noble Foundation Endowed Chair in Cancer Research University of Oklahoma, Oklahoma City, USA	2009 - present
Outstanding Achievement in Cancer research Award, Society of American Asian Scientists in Cancer Research, SAASCR, Washington DC, USA	2013
WCU Visiting Professorship, Seoul National University, Seoul, S. Korea	2008 – 2013

SERVICE

Department:

Member, Molecular Biology Graduate Program Curriculum Committee, Temple University	2001-2008
Member, Tenure and Promotions Committee, Fels Institute	2001-2008
Evaluating Member, Molecular Biology Graduate Student Admissions, Temple University	1996-2008
Faculty Recruitment Committee, Dept of Cell Biology, OUHSC	2009-present
Faculty Recruitment Committee, OUCI, OUHSC	2009-present
Director, SCC Summer Internship Program	2009-present

School:

Mentor, NIGMS, Minority Research Incentive Program	1997-2001
Appointments and Promotions Committee, Fels Institute, Mentor, MARC Program, Temple University	1994-present
Basic Science Faculty Advisor, Temple University School of Medicine	1994-2005
Member, Rodent Oversight Committee, OUHSC	2010-2015

University:

Member, Faculty Senate Steering Committee on Student Awards Temple University	2005-2010
Member, OUHSC Faculty Senate Research Council	2010-2013
Member, Research Space Allocation Committee, OUHSC	2014-present
Member, Research Strategic Plan Committee, OUHSC	2015-present
Member, Biomedical Engineering Director Search Committee, OU, Norman	2015-present
Member, Biomedical Imaging Faculty Search Committee OU, Norman	2014-present

Others:

Research Consultant: ImmunoDetect, Inc., Piscataway, NJ	1997-present
Reviewing and Voting Member, Biosafety Committee, Allegheny University	1997-2004
External Examiner for Ph.D thesis Committee, I.I.T. Bombay, India	1997-2001
External Examiner for Ph.D thesis Committee, BHU University, India	1997-present
External Examiner for Ph.D thesis Committee, I.I.Sc, Bangalore, India	2000-present
Advisory Board Member, Aromyx Corporation, Sunnyvale, CA	2010-present

MEMBERSHIP IN Ph.D. THESIS COMMITTEES:

Mr. Jontahan Dermott, Biochemistry Graduate Program, TUMC	1993-1999
Mr. Henry Teng, Biochemistry Graduate Program, TUMC	1993-1996
Mr. Jiangyu Zhu, Biochemistry Graduate Program, TUMC	1993-1996
Mr. Sushil Rane, Department of Biochemistry, TUMC	1993-1996
Ms. Sarah Ortiz-Vega, Department of Pharmacology, TUMC	1996-1998
Ms. Priya Chaturvedi, Mol. Biology Graduate Program, TUMC	1996-1998
Mr. Fatih Ozdener, Pharmacology, TUMC	1997-1998
Mr. Gary Wang, Department of Biochemistry, TUMC	1996-1999
Dr. Jean-Luc Urbain, Mol. Biology Graduate Program, TUMC	1996-1999
Ms. Donna S. Wolfe, Department of Pharmacology, U. Penn.	1996-2000
Ms. Hong Chen, Molecular Biology Graduate Program, TUMC	1993-2000
Mr. Frank Wilkinson, Department of Biochemistry, TUMC	1993-2000
Ms. Yi Pan, Mol. Biology Graduate Program, TUMC	1996-2000
Mr. Hyunjo Kim, School of Pharmacy, TUMC	1996-2000
Mr. Viness Pillay, School of Pharmacy, TUMC	1996-2000
Mr. Thomas Dürig, School of Pharmacy, TUMC	1996-2001
Mr. Quan Le, Mol. Biology Graduate Program, TUMC	1996-2001
Ms. Lisha Lu, Department of Pharmacology, U. Penn.	1996-2001
Ms. Gurpreet Kaur, Department of Pathology, TUMC	1997-2001
Ms. Anita L. Korapati, Department of Pathology, TUMC	1997-2002
Mr. Atul Kumar, Molecular Biology Graduate Program, TUMC	1997-2001
Mr. Salvatore Russelo, Mol. Biology Graduate Program, TUMC	1999-2001
Ms. Rachel Sumerson, Mol. Biology Graduate Program, TUMC	1999-2003
Ms. Allison Hanlon, M.D./Ph.D. Program, TUMC	2000-2003
Ms. Cynthia Villalta, Mol. Biology Graduate Program, TUMC	2000-2003
Ms. Snehal Desai, Dept. Phramociology, TUMC	2000-2002
Ms. April Heather, Dept. Pharmacology, TUMC	2002-2003
Ms. X. Wang, Mol. Biology Graduate Program	2000-2004
Ms. Renee Marshal, Mol. Biology Graduate Program, TUMC	1999-2007
Ms. Michelle Olsner, Dept. of Biochemistry, TUMC	1999-2004
Ms. Rashmi Kumar, Mol. Biology Graduate Program, TUMC	2000-2005
Ms. Kimia Kashef, Mol. Biology Graduate Program, TUMC	2000-2006
Mr. R. Radhakrishnan, Mol. Biology Graduate Program, TUMC	2000-2007
Mr. Hua Xu Dept. of Biochemistry, TUMC	2002-2007
Ms. Elda Grabocka, Thomas Jefferson University	2002-2007
Ms. Shuo Wang, Biochemistry Graduate Program, TUMC	2003-2008
Ms. Suin Yoon, Biochemistry Graduate Program, TUMC	2003-2008
Mr. John Gibbs, Mol. Biology Graduate Program, TUMC	2003-2008
Mr. Jacob Gardner, M.D., Ph.D Program, TUMC	2005-2009
Mr. Zachariah Goldsmith, M.D., Ph.D Program, TUMC	2005-2009
Mr. Jeremy D Ward, Department of Cell Biology, OUHSC	2010-2014
Mr. Yun Chen, Department of Pathology, OUHSC	2011-2015

MEMBERSHIP IN OUHSC CTS MASTER'S THESIS COMMITTEE

Dr. Cara Mathews, CTS Program, OUHSC	2012-2013
Dr. Katrina Slaughter, CTS Program, OUHSC	2014-2015
Dr. Camille Gunderson, CTS Program, OUHSC	2014-2015
Dr. Rachel Ruskin, CTS Program, OUHSC	2016-present

STUDY SECTION & REVIEW COMMITTEES:

Study Section: Research Grants Commission, Hong Kong, China	1997-present
Biosafety Committee, MCP-Hahneman University	1997-2002
Signal Transduction Study Section, NSF, Washington, D.C.	1998-2003
Ad Hoc Reviewer, MEP1 Study Section, NCI, NIH	2000-2002
Ad Hoc Reviewer, U.S. Army Research Office, Durham, NC	2000-present
Ad Hoc Counselor, NIH Board of Scientific Counselors, Oral and Pharyngeal Cancer Branch, National Institute of Dental and Craniofacial Research, NIH, Bethesda MD	2000-present
Peer Reviewer, Philip Morris External Research Program	2001-present
Chartered Member, MEP1 Study Section, NCI, NIH	2002-2003
Chartered Member, TCB Study Section, NCI, NIH	2002-2006
Susan Komen Breast Cancer Foundation	2005-present
DoD CDMRP Prostate Cancer Research Program	2006-present
DoD CDMRP Breast Cancer Research Program	2007-present
Ad Hoc Reviewer, Agency for Science, Technology and Research's Biomedical Research Council, Singapore	2008
Ad Hoc Reviewer, NIH/NIGMS, R13 Grants	2008
Ad Hoc Reviewer, Biotechnology Research Grant Program, North Carolina Biotechnology Center, Research Triangle Park, NC	2006, 2009
Swiss Cancer League	2009
Ad Hoc Reviewer, ZRG1 Study Section, NIH	2009
Ad Hoc Reviewer, MIST Study Section, NIH	2009-2010
Ad Hoc Reviewer, TCB Study Section, NIH	2009-present
Ad Hoc Reviewer, MONC Study Section, NIH	2010-present

JUNIOR FACULTY MENTORING

Dr. Natarajan Aravindan, Associate professor, OUHSC	2012-present
Dr. Naushad Ali, Research Assistant Professor, OUHSC	2012-present
Dr. Ji Hee Ha, Research Assistant Professor, OUHSC	2009-present
Dr. Frank Hays, Assistant Professor, OUHSC	2012-present
Dr. Murali Jayaraman, Research Assistant Professor, OUHSC	2010-present
Dr. Julio Morales, Assistant Professor, OUHSC	2015-present

Dr. Anupama Munshi, Associate professor, OUHSC	2012-present
Dr. Augen Piozak, Assistant Professor, OUHSC	2011-present
Dr. Sukyung Woo, Assistant Professor, OUHSC	2012-present

PATENTS

1. Biosensors for Detecting Chemical Agents, US Patent 7223550
2. Cell based assay for screening Cox-2 Inhibitors, US Patent 6933128

PUBLICATIONS

LIST OF PUBLICATIONS (Career Total):

1. Dhanasekaran, N., Rani, C.S.S., and Moudgal, N. R. 1983. Studies on follicular atresia: Lysosomal enzyme activity and gonadotropin Receptors of granulosa cells following administration or withdrawal of gonadotropins in the rat. *Mol. Cell. Endocrinol.* 33, 97-112.
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4. Dhanasekaran, N., and Moudgal, N. R. 1988. Gonadotropin regulation of Rat Ovarian lysosomes: Existence of a hormone specific dual control mechanism. *Biosci. Rep.* 8, 279-285.
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6. Dhanasekaran, N., Wessling-Resnick, M., Kelleher, D.J., Johnson, G.L., and Ruoho, A.E. 1988. Mapping of the carboxy terminus within the tertiary structure of transducin's a subunit using the heterobifunctional crosslinking reagent ¹²⁵I-N-(3-Iodo-4 azidophenyl propionamido-S-(2-thiopyridyl) cysteine. *J. Biol. Chem.* 263, 17942-17950.
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Grant Support:

Completed Projects:

NIH	R01	GM49897; P. I. (45 %) Danny Dhanasekaran Functional Analysis of Gα12/Gα13 G-proteins Annual Direct Cost for the First Year: \$180,000	07/01/95 – 06/30/06
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DARPA/ SPAWAR DoD	PN66001; P.I. (30 %) Danny Dhanasekaran Detection of Chemical Warfare Agents Using Engineered Yeast based CBBS Total Direct Cost: \$843,317	09/01/00 – 08/31/05
NASA	NNA04CC14A ; P.I (5 %) Danny Dhanasekaran Total Direct Cost: \$ 75,000	08/01/03 – 07/31/04
AHA	Predocctoral Grant Sponsor Total Direct Cost: \$12,000	8/01/97 -7/31/1998
NIH R01	HL52700; Co-P.I. (10 %); Steven C. Kelsen, P.I. IL-1 & B-Adrenergic System of Human Airway Epithelial Cells Total Direct Cost: \$623,091	08/01/96-07/31/2000
NIH R01	Co P.I. (15 %); Lopa Mishra, P.I. Signal Transduction Defects in Human Platelets Total Direct Cost: \$889,890	09/01/99 – 08/31/04
NIH R24	Co P.I. (5 % Salary Support); E. P. Reddy, P.I. Shared Resources for Cancer Research Total Direct Cost: \$847,266	04/01/01 – 03/31/06
NIH R01	HL056724 Co P.I. (4 %); A. Koneti Rao, P.I. Signal Transduction Defects in Human Platelets Annual Direct Cost for the First Year: \$225,00	03/01/98-03/31/08
AFRL	Collaborative Grant \$25,000	05/01/08-05/31/09
EM/DARPA	RealNose Project: Team PI (15%) Danny Dhanasekaran Annual Direct Cost for the First Year: \$705,000	11/01/08-03/31/09
NIH R21	CA125752: PI (10%) Danny Dhanasekaran G Protein Signaling in Pancreatic Cancer Total Direct Cost: \$250,000	6/01/07-3/31/11
NIH R01	CA116984 (15%) G Proteins and their receptors in tumor cell metastasis Total Direct Cost: \$300,580	06/01/07-05/31/14
NIH R01	CA123233 (Dhanasekaran) Regulation of JNK-signaling by the <i>gcp</i> oncogenes Total Direct Cost: \$248,751	12/1/07-11/30/14

Active Ongoing Grant:

NIH	P01	HL022633 (M. Philips) Genetic Engineering of Apolipoproteins Role: Project PI Total Direct Cost: \$124,191	12/01/09-11/30/16
NIH	P20	GM103639 (Dhanasekaran, 28%) Mentoring Translational Cancer Research in Oklahoama Total Direct Cost: \$2,058,066	02/01/12-01/31/17