CURRICULUM VITAE

Name: Ashok B. Kulkarni, Ph.D.

Education:

1965-1969	B.S., Fergusson College, Poona University, India
1969-1971	M.S., M.S. University, Baroda, India
1971-1981	Ph.D., Haffkine Institute, Bombay and M. S. University, Baroda, India (Thesis: Brain acetylcholine metabolism in malnourished rats)

Brief Chronology of Employment:

1976-1982	Scientific Officer, Biochemistry Department, Haffkine Institute, Bombay, India
1982-1987	Postdoctoral Fellow with Dr. Philip Feigelson, Columbia University, New York, NY
1987-1995	Senior Staff Fellow, Developmental and Metabolic Neurology Branch, NINDS, NIH, Bethesda, MD
1995-present	Director, Functional Genomics Unit and Gene Targeting Facility, National Institute of Dental and Craniofacial Research (NIDCR), NIH, Bethesda, MD

Membership and Activity in Professional Societies:

American Association of Dental Research
International Association of Dental Research
Society for Neuroscience

Honors and Awards:

Henry Christian Award, American Federation for Clinical Research and Merck Foundation, Washington, D.C., 1993

NIDR Award for Outstanding Contributions to the Programs and Objectives of NIDR, NIH, 1998

NIH Award in recognition of 10 years of service to NIH, 1998

NIH, NCRR in recognition of contributions to the Scientific and Technical Review Board on Biomedical and Behavioral Research Facilities, 1999

NIH, NIDCR EEO Diversity Special Achievement Award, 2004

Editorial Responsibilities:

Journal of Dental Research, 2004-2006

Ad hoc Reviewer for Scientific Journals:

Cytokine
DNA and Cell Biology
Drug Metabolism

FASEB Journal
Journal of Dental Research
Journal of Immunology
Journal of Leukocyte Biology
Journal of Neurochemistry
Journal of Neuroscience
Immunology
Kidney International
Matrix Biology
Nature Genetics
Neuroscience
The Proceedings of the National Academy of Sciences, USA

Intramural Activities:

1996-1999	Science and Technology Review Board on Biomedical and Behavioral Research Facilities, NCRR, NIH
1994-1997	Supervisor, Howard Hughes Medical Institute (HHMI) Summer Intern
1997	Search Committee, Staff Scientist Position in OIIB, NIDCR
1997-present	NIDCR Animal Care Unit Oversight Committee
1997-2004	NIDCR Cellular Imaging Core Oversight Committee
1997-1998	NIDCR Animal Care and Use Committee
1998-2003	Trans-NIH Mouse Genetics Priorities Settings Committee
1998-2003	Trans-NIH Rat Repository Committee
1998	Search Committee, Staff Scientist Position in OIIB, NIDCR
1999	Search Committee, Staff Scientist Position in OPCB, NIDCR
1999-2004	Chairman, NIDCR Animal Care and Use Committee
1999-2004	Member, NIH ARAC Committee
1999-2003	Trans-NIH Non-mammalian Genome Initiative Committee
1999-2002	NIH Vivarium Planning Committee
2003-present	Member of NIH ECM Club
2005	NIH FARE Abstract Review Committee

Extramural Activities:

Wellcome Trust- Grant Reviewer
NIST Advanced Technology Program- Grant Reviewer
Sick Children's Hospital, Toronto, Canada- Grant Reviewer
Veteran's Administration Hospital Fund- Grant Reviewer

Invited Presentations (selected):

1987 Invited Speaker (Acute phase mediated induction of alpha 1 acid glycoprotein expression), FDA, Bethesda, MD
1987 Invited Speaker (Acute phase induction of alpha 1-acid glycoprotein gene expression), Monsanto, St. Louis, MO

1987 Invited Speaker (Transcriptional control of rat hepatic gene expression) DMNB, NINDS, NIH, Bethesda, MD

1992 Invited Speaker (Mouse chimeras with a disrupted TGF-ß1 gene obtained by gene targeting), American Federation of Clinical Research, Clinical Meeting, Baltimore, MD

1992 Speaker (Homozygous TGF-ß1 null mice are runted and die within a few weeks), Mouse Molecular Genetics Meeting, Cold Spring Harbor Lab., NY

1992 Invited Speaker (TGF-ß1 null mouse), National Eye Institute, NIH, Bethesda, MD

1992 Invited Speaker (TGF-ß1 null mutation in mice causes excessive inflammatory response and early death), National Institute of Digestive Diseases and Kidney, Bethesda, MD

1993 Invited Speaker (Targeted disruption of the murine TGF-ß1 gene results in multifocal inflammation and early death). National Institute of Allergy and Infectious Diseases, NIH

1993 Invited Speaker (Gene targeting and knock-out mice: A technical challenge), National Institute of Dental Research, NIH

1993 Invited Speaker (TGF-ß1 null mutation in mice causes excessive inflammation and early death), AFCR, Washington DC

1993 Invited Speaker (TGF-ß1 knockout mice have a multifocal inflammatory disease and die early), NIH Research Festival Workshop, NIH

1994 Invited Speaker (TGF-ß1 knockout mice: Pathology and immune dysregulation), FDA, Bethesda, MD

1994 Invited Speaker (TGF-ß1 knockout mice: maternal rescue), National Institute of Child Health and Diseases, NIH

1995 Invited Speaker (TGF-ß1 knockout phenotype), Michigan State University, East Lansing, MI

1995 Invited Speaker (Phenotypic analysis of TGF-ß1 knockout mice), Wayne State University, Detroit, MI

1996 Invited Speaker for Plenary Session (Autoimmune manifestations in TGF-ß1 knockout mice), British Society of Immunology Annual Meeting, Brighton, UK

1996 Invited Speaker (Partial rescue of TGF-ß1 null lethal phenotype in ß2-microglobulin deficient background), Cytokine Interest Group, NIH

1996 Invited Speaker for Plenary Session (TGF-ß1 Null mouse: Isoform specific functions" British Society of Allergy and Clinical Immunology, Manchester, United Kingdom

1997 Invited Keynote Speaker (Knockout mice: new biology) Symposium on Molecule to Behavior, Bangalore, India

1997 Invited speaker and session chair (Abnormal Brain Development in Cdk5 Knockout Mice), Fourth International Symposium on Brain Dysfunction, Troina, Italy

1997 Invited Speaker (Generation of Fabry Mouse Model and Gene Therapy Approaches) Gene Therapy Institute, University of Lund, Lund, Sweden

1997 Invited Speaker (TGF-ß1 Knockout Mouse: A Model for Immune Dysregulation) University of Maryland, Baltimore, M

1998 Organized hands-on-workshop on "Production of Knockout Mice" Cancer Research Institute, Bombay, India

1998 Organized Lunch and Learn Session on Animal Modeling to Study Biology of Dental and Skeletal Systems at American Association of Dental Research (AADR) Meeting, Minneapolis

1998 Invited speaker (Temporal and spatial expression of DSPP-LacZ transgene) School of Dental Medicine, University of Pennsylvania, Philadelphia, PA

2000 Invited Speaker (TGF-ß1 null mouse phenotype) National Cancer Center, Tokyo, Japan
2000 Invited Speaker (Cdk5 conditional knockout mice display ALS-like phenotype) National Institute of Neuroscience, Tokyo, Japan
2000 Invited Speaker (Cdk5 conditional knockout mice) Trans-NIH Neurobiology Interest Group
2000 Organized hands-on-workshop on "Production of Transgenic and Knockout Mice" National Institute of Immunology, New Delhi, India
2001 Invited Reviewer for NIST Advanced Technology Program, Gaithersburg, MD
2002 Invited speaker (Molecular Characterization of amelogenesis and dentinogenesis) University of Toronto Dental School, Toronto, Canada
2002 Invited speaker (Functional genomics approach to study tooth development and disease) Canadian Institute of Health Research, University of Toronto, Toronto, Canada
2002 Invited speaker (Novel therapeutic approaches for Fabry disease suing Fabry mouse model) 26th Annual Meeting of Indian Society of Cell Biology, Mumbai, India
2002 Invited speaker (Functional genomics: a gold standard for in vivo gene function), National Centre for Cell Sciences, Pune, India
2002 Invited speaker (Role of cdk5 in neurodegenerative diseases), National Institute of Mental and Health and Neurosciences, Bangalore, India
2002 Invited speaker (Molecular characterization of tooth development and disease) Trivendrum Dental and Medical College, Trivendrum, India
2002 Invited speaker (Functional genomics studies on genetic disorders) M. S. University, Vadodara, India
2002 Invited speaker (Elevated levels of globotriaosylceramide in salivary glands of Fabry mice) 80th Annual Meeting of Int. Association of Dental Research, San Diego, CA
2002 TGF-ß1 negatively regulates crystalline expression in teeth 80th Annual Meeting of International Association of Dental Research, San Diego, CA
2003 Invited speaker (Novel crystalline expression in murine teeth). National Eye Institute, NIH
2003 Invited speaker (Functional genomic approaches to study tooth development and disease). National Institute of Neurological Diseases and Stroke, NIH
2003 Invited speaker (Functional genomic of tooth development and disease). National Institute of Standards and Technology, Gaithersburg, MD
2003 Invited speaker (Cdk5 in brain development and disease) Cornell University, NY
2003 Invited speaker (ECM in tooth development and disease), NICHD ECM Club

2004 Invited speaker (Cdk5 and Neurodegeneration) Nathan Kline Institute, New York University School of Medicine, Orangeburg, NY
2005 Invited speaker (TGF- ß and cancer), University of Texas Health Science Center, San Antonio

Patents and Invention Reports:

1993 NIH Invention report on TGF-ß1 knockout mouse model.
1997 NIH Invention report on Cdk5 knockout mouse model.
1997 NIH Invention report on Fabry disease mouse model.
1998 NIH Invention report on Cdk5 "floxed" mice.
1999 NIH Invention report on Cdk5 X NH-H-Cre conditional KO mice.

2000 NIH Invention report on Amelogenin KO mice.
2001 NIH Invention report on DSPP-TGF-ß1, DSPP-Cre and DSPP KO mice.
2002 NIH Invention report on *d*TGF-ß1 mice.
2003 NIH Invention report on TGF-ß RI COKO mice for retinal detachment.
2004 NIH Invention report on TGF-ß RI COKO mice for squamous cell carcinoma.

MTAs, MTA/CRADAs, CRADAs:

Tooth Disease Mouse Models & Reagents:

Universite de Lyon, Lyon Cedex, France
University of Texas Health Science Center at San Antonio, San Antonio, TX;
University of Missouri-Kansas City, Kansas City, MO
State University of New York, Buffalo, NY
University of Texas Health Science Center at Houston, Houston, TX
University of South California School of Dentistry, Los Angeles, CA
University Pennsylvania, Philadelphia, PA
The Jackson Laboratory, Bar Harbor, ME

Cdk5/p35 Mouse Models & Reagents:

The RIKEN- BSI, Tokyo, Japan
Ottawa Hospital Research Institute, Ottawa, Canada
University of Rochester School of Medicine & dentistry, Rochester, NY
The Rockefeller University, New York, NY
Yale University School of Medicine & Howard Hughes Medical Institute, New Haven, CT;
Brigham and Women's Hospital, Boston, MA
The Johns Hopkins University School of Medicine, Baltimore, MD
The University of California, La Jolla, CA
University of Tokyo, Tokyo, Japan
Biotechnology Research Institute, Hon Kong
Thomas Jefferson University, Philadelphia, PA
St. Jude Children's Research Hospital, Memphis, TN
The Case Western University, Cleveland, OH
The Jackson Laboratory, Bar Harbor, ME

Fabry Mouse Model:

Royal Free Hospital School of Medicine, London, UK
RIKEN-Brain Science Institute, Tokyo, Japan
Tokyo Metropolitan University, Tokyo, Japan
OSIRIS Therapeutics, Inc., Baltimore, MD (licensed)
Princeton University, Princeton, NJ
University of Pittsburgh, Pittsburgh, PA
Washington University School of Medicine, St. Louis, MO
La Jolla Institute for Allergy and Immunology, San Diego, CA
University of Illinois, Chicago, IL
The Jackson Laboratory, Bar Harbor, ME

BIBLIOGRAPHY

Peer-Reviewed Articles:

1. Rajlakshmi, R., Kulkarni, A.B., and Ramakrishnan, C.V. Effects of undernutrition on acetylcholine levels in rat brain. *J. Neurochem.* 22: 119-221, 1974.
2. Gosavi, A.V., Renapurkar, D.M., and Kulkarni, A.B. Oxygen uptake studies on H. diesingi, Leidy. *Bulletin of Haffkine Institute* (Bombay) 6: 73-78, 1978.
3. Gosavi, A.V., Renapurkar, D.M., and Kulkarni, A.B. Effects of ascorbic acid on oxygen uptake of H. diesingi, Leidy. *Bulletin of Haffkine Institute* (Bombay) 7: 7-11, 1979.
4. Gosavi, A.V., Renapurkar, D.M., and Kulkarni, A.B. Effects of ascorbic acid on in vitro cultivation of H. diesingi, Leidy. *Bulletin of Haffkine Institute* (Bombay) 8: 15-20, 1980.
5. Kulkarni, A.B. Brain acetylcholine metabolism in malnourished rats (Ph.D. Thesis). *J. MSU* (Baroda, India), 1980.
6. Kulkarni, A.B. and Gaitonde, B.B. Thiamin levels in the brain regions of the thiamin deficient rats. *Bulletin of Haffkine Institute* (Bombay) 7: 71-74, 1980.
7. Kulkarni, A.B., Ved, H.S., Ramakrishnan, P., Pradhan, P., Renapurkar, D.M., and Sharma, K.D. Studies on superoxide dismutase and catalase activities in different tissues of rat infected with P. berghei. *Bulletin of Haffkine Institute* (Bombay) 9: 29-33, 1981.
8. Gosavi, A.V., Renapurkar, D.M., and Kulkarni, A.B. Effects of coconut milk on the embryonic development of H. diesingi, Leidy. *Biovigyanam* 7: 187-189, 1981.
9. Kulkarni, A.B., Deshpande, J.M., Sharma, K.D., Bapat, R.D., Kinare, S.G., and Shirodkar, M.V. Hepatic superoxide dismutase activity in normal and hepatitis B-virus infected langur monkey. *IRCS Med. Sc. Biochemistry* 9: 608, 1981.
10. Kulkarni, A.B. and Gaitonde, B.B. Effects of maternal protein deficiency on brain maturation of rat progeny. *Bulletin of Haffkine Institute* (Bombay) 9: 69-74, 1981.
11. Kulkarni, A.B., Ved, H.S., and Gaitonde, B.B. Effects of postweaning prolonged protein deficiency on rat brain enzymes. *Bulletin of Haffkine Institute* (Bombay) 9: 47-50, 1981.
12. Kulkarni, A.B. and Gaitonde, B.B. Effects of early undernutrition and subsequent rehabilitation on acetylcholine levels in rat brain. *Experientia* 38: 377-378, 1982.
13. Kulkarni, A.B., Bhopale, M.K., and Sharma, K.D. Pulmonary superoxide dismutase activity in the mouse infected with A. caninum larvae. *J. Helminthology* 57: 237-239, 1983.
14. Kulkarni, A.B. and Gaitonde, B.B. Effects of early thiamine deficiency and subsequent rehabilitation on the cholinergic system in the developing rat brain.

    J. Nutr. Sci. Vitaminol. (Tokyo) 29: 217-225, 1983.
15. Kulkarni, A.B., Renapurkar, D.M., and Sharma, K.D. Hepatic superoxide dismutase activity in the mouse infected with P. berghei. *Folio Parasitologica* 91: 89-91, 1983.
16. Gubits, R.M., Lynch, K.R., Kulkarni, A.B., Dolan, K.P., Gresik, E.W., Unger, P., and Feigelson, P. Differential regulation of alpha 2u-globulin gene family. *J. Biol. Chem.* 259: 12803-12809, 1984.

17. D'Souza, N.D., Kulkarni, A.B., Baxi, A.J., and Nadkarni, G.D. Enzymatic defense against oxygen toxicity in D-galactosamine induced hepatitis. *Ind. J. Gastroentrol.* 4: 87-88, 1985.

18. Kulkarni, A.B., Reinke, R., and Feigelson, P. Acute phase mediators and glucocorticoid elevate alpha 1- acid glycoprotein gene transcription. *J. Biol. Chem.* 260: 15386-15389, 1985.

19. Kulkarni, A.B., Gubits, R.M., and Feigelson, P. Developmental and hormonal regulation of alpha 2u-globulin gene transcription. *Proc. Natl Acad. Sci. USA* 82: 2579-2582, 1985.

20. D'Souza, N.D., Kulkarni, A.B., and Nadkarni, G.D. Effects of egg as a sole diet on hepatic lipid peroxidation and related defense system. *Ind. J. Biochem. Bioph.* 124: 111-113, 1987.

21. Dhar, V.N., Miller, D.A., Kulkarni, A.B., and Miller, O.J. Human ribosomal DNA fragments amplified in hamster cells are transcribed by DNA polymerase II and are not silver stained. *Molecular and Cellular Biol.* 7: 1289-1292, 1987.

22. Kulkarni, A.B., Huh, C.G., Becker, D., Geiser, A., Lyght, M., Flanders, K., Roberts, A., Sporn, M.B., Ward, J.M., and Karlsson, S. Transforming growth factor-ß1 null mutation in mice causes excessive inflammatory response and early death. *Proc. Natl Acad. Sci. USA* 90: 770-774, 1993.

23. Kulkarni, A.B. and Karlsson, S. Transforming growth factor-ß1 (TGF-ß1) knockout mice: A mutation in one cytokine causes a dramatic inflammatory disease. *Am. J. Path* 143: 3-9, 1993.

24. Glick, A.B., Kulkarni, A.B., Tennenbaum, T., Hennings, H., Flanders, K.C., O'Reilly, M., Sporn, M.B., Karlsson, S., and Yuspa, S.H. Loss of TGF-ß expression in mouse epidermis and epidermal tumors is associated with hyperproliferation and a high risk malignant conversion. *Proc. Natl Acad. Sci. USA* 90: 6076-6080, 1993.

25. Geiser, A., Letterio, J., Kulkarni, A.B., Karlsson, S., Roberts, A., and Sporn, M. TGF-ß1 controls expression of major histocompatibility genes in the postnatal mouse: Aberrant histocompatibility antigen expression in the pathogenesis of the TGF-ß1 null phenotype. *Proc. Natl Acad. Sci. USA* 90: 9944-9948, 1993.

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27. Letterio, J.J., Geiser, A.G., Kulkarni, A.B., Roche, N.S., Sporn, M.B., and Roberts, A.B. Maternal rescue of transforming growth factor-ß1 null mice. *Science* 264: 1936-1938, 1994.

28. Christ, M., McCartney-Francis, N.L., Kulkarni, A.B., Ward, J.M., Mackall, C.L., Gress, R.E., Hines, K.L, Tuan, H., Karlsson, S. and Wahl, S.M. Immune dysregulation in TGF-ß1 deficient mice. *J. Immunol.* 153: 1936-1946, 1994.

29. Glick, A.B., Lee, M.M., Darwiche, N., Kulkarni, A.B., Karlsson, S., and Yuspa, S.H. Targeted deletion of the TGF-ß1 gene causes rapid progression to squamous cell carcinoma. *Genes and Dev.* 8: 2429-2440, 1994.

30. Kulkarni, A.B., Ward, J.M., Yaswen, L.R., Mackall, C.L., Bauer, S.R., Huh, C.G., Gress, R.E., and Karlsson, S. Pathology of TGF-ß1 null mice. *Am. J. Path.* 146: 264-275, 1995.

31. Martin, J., Dickson, M.C., Cousens, F., Kulkarni, A.B., Karlsson, S. and Akhurst, R.J. Analysis of homozygous TGF-ß1 null mouse embryos demonstrates defects in yolk sac vasculogenesis and hematopoiesis. *Proc. New York Acad. Sci.* 752: 300-308, 1995.

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33. Ohshima, Y., Nagle, J.W., Pant, H.C., Joshi, J.B., Kozak, C.A., Brady, R.O., and Kulkarni, A.B. Molecular cloning and chromosomal mapping of mouse cyclin dependent kinase-5 gene. *Genomics* 28: 585-588, 1995.

34. Ohshima, T., Murray, G.J., Nagle, J.W., Quirk, J.M., Kraus, M.H., Barton, N.W., Brady, R.O., and Kulkarni, A.B. Structural organization and expression of the mouse a-galactosidase gene. *Gene* 166: 277-280, 1995.

35. Yaswen, L.R., Kulkarni, A.B., Frederickson, T., Middleman, B., Schiffmann, R., Mozes, E., and Karlsson, S. Autoimmune manifestations in the TGF-ß1 null mice. *Blood* 87: 1439-1445, 1995.

36. Ohshima, T., Kozak, C., Nagle, J.W., Pant, H.C., Brady, R.O., and Kulkarni, A.B. Molecular cloning and chromosomal mapping of mouse gene encoding Cdk5 Regulatory subunit p35. *Genomics* 35: 372-375, 1996.

37. Yoshida, K., Cleaveland, E.S., Nagle, J.W., French, S., Yaswen, L., Ohshima, T., Brady, R.O., and Kulkarni, A.B. Molecular cloning of the mouse apolipoprotein D gene and its upregulated expression in Niemann-Pick disease type C mouse model. *DNA and Cell Biol.* 15: 873-882, 1996.

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39. Ohshima, T., Ward, J.M., Huh, C.G., Longenecker, G., Veeranna, Pant, H., Brady, R.O., Martin, L., and Kulkarni, A.B. Targeted disruption of Cdk5 gene results in abnormal corticogeneis, neuronal pathology and perinatal death. *Proc. Natl Acad. Sci. USA* 93: 11173-11178, 1996.

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42. D'Souza, R.N.L, Cavender, A., Sunavala, G., Alvarez, J., Ohshima, T., Kulkarni, A.B., and MacDougall, M. Gene expression patterns of murine dentin matrix protein 1(Dmp1) and dentin sialoprotein (DSPP) suggest distinct developmental functions in vivo. *J. Bone Mineral. Res.* 12: 2040-2049, 1997.

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44. Ohshima, T., Gilmore, E.C., Herrup, K., Brady, R.O., and Kulkarni, A.B. Ontogeny of abnormal brain development in Cdk5 (-/-) mice. *Dev Brain Dysfunction* 10: 271-281, 1998.

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49. Ohshima, T., Schiffmann, R., Murray, G.J., Kopp, J., Quirk, J.M., Stahl, S,. Chan, C.-C., Zerfas, P., Tao-Cheng, J.-H., Ward, J.M., Brady, R.O., and Kulkarni, A.B. Aging accentuates and bone marrow transplantation ameliorates metabolic defects in Fabry disease mice. *Proc. Natl. Acad. Sci. USA* 96: 6423-6427, 1999.

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51. Ohshima, T., Gilmore, E.C., Herrup, K., Jacobwitz, D.M., and Kulkarni, A.B. Neuronal migration of Cdk5 (-/-) neurons in the developing cerebellum is cell autonomous. *J. Neurosci.* 19: 6017-6026, 1999.

52. Kobayashi, S., Yoshida, K., Ward, J.M., Letterio, J.L., Longenecker, G., Yaswen, L., Mittleman, B., Mozes, E., Roberts, A.B., Karlsson, S. and Kulkarni, A.B. ß2-microglobulin deficient background ameliorates lethal phenotype of the TGF-ß1 null mouse. *J. Immunol.* 163: 4013-401957, 1999.

53. Sreenath, T., Cho, A., MacDougall, M., Kulkarni, A.B. Spatial and temporal expression of dentin sialophosphoprotein promoter: differential regulation in odontoblasts and ameloblasts. *Int. J. Dev. Biol.* 43: 509-516, 1999.

54. Takenaka, T., Murray, G.J., Qin, G., Quirk, J.M., Ohshima, T., Qasba, P., Clark, K., Kulkarni, A.B., Brady, R.O., and Medin, J.A. Long term enzyme correction and lipid reduction in multiple organs of primary and secondary transplanted Fabry mice receiving transduced bone marrow cells. *Proc. Natl. Acad. Sci. USA* 97: 7515-7520, 2000.

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56. Abe, A., Gregory, S., Lee, L., Killen, P.D., Brady, R.O., Kulkarni, A.B., and Shayman, J.A. Reduction of globotriaosylceramide in fabry disease mice by substrate deprivation. *J. Clin. Invest.* 105: 1563-1571, 2000.

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59. Thyagarajan, T., Cho, A., Sreenath, T., Wright, J.T., and Kulkarni, A.B. Reduced expression of dentinsialophosphoprotein is associated with dysplastic dentin in mice overexpressing TGF-ß1 in teeth. *J. Biol. Chem.* 276: 11016-11020, 2001.

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61. Tanaka, T., Veeranna, Ohshima, T., Rajan, P., Amin, N.D., Cho, A., Sreenath, T., Pant, H.C., Brady, R.O., and Kulkarni, A.B. Neuronal cyclin-dependent kinase 5 activity is critical for survival. *J. Neurosci.* 21: 550-58, 2001.

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Chapters and Reviews:

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