

ΥΠΕΥΘΥΝΗ ΔΗΛΩΣΗ:

Είναι σε γνώση μου ότι για την εκλογή εξωτερικού μέλους του Συμβουλίου απαιτείται η ευρεία αναγνώριση του υποψηφίου στην επιστήμη, στα γράμματα ή τις τέχνες και ότι ο υποψήφιος θα πρέπει να διαθέτει αυξημένα τυπικά προσόντα και τουλάχιστον πτυχίο ημεδαπού ή αναγνωρισμένου αλλοδαπού Ανώτατου Εκπαιδευτικού Ιδρύματος.

Γνωρίζω επίσης ότι κωλύονται να εκλεγούν ως εξωτερικά μέλη πρόσωπα τα οποία είχαν οποιαδήποτε οικονομική συναλλαγή με σκοπό το κέρδος με το Ίδρυμα την τελευταία πενταετία, καθώς και οι εν ενεργεία καθηγητές Α.Ε.Ι. της ημεδαπής ή οι συνταξιούχοι καθηγητές του ιδίου Α.Ε.Ι..

Τόπος / Ημερομηνία: Νέα Υορκη 29/10/2012

Ο δηλών



Νικόλαος Κ Ρομπάκης

CURRICULUM VITAE

Nikolaos K. Robakis, Ph.D.

Education:

1970 University of Thessaloniki, Greece. Diploma in Chemistry
1970-1972 Military service in Greece.
1973 - 1974 Technische Universitat, Berlin, Germany. Graduate program in organic chemistry
1974 - 1976 New York University, New York. M.S. in Bioorganic Chemistry
1976 - 1979 New York University, New York. Ph.D. in Biochemistry

Post-doctoral Training:

1979-1982 Postdoctoral Fellow. Roche Institute of Molecular Biology, Nutley, NJ. Mentor: Dr. Herbert Weissbach.

Employment:

1974-1978 Teaching Fellow, New York University, New York. Teaching general and organic chemistry.
1977-1979 Research Associate, Department of Chemistry. New York University, New York.
1979-1982 Postdoctoral Fellow, Roche Institute of Molecular Biology, Hoffman-La Roche, Inc. Nutley, NJ.
1982-1983 Research Fellow, Research Division, Department of Microbiology, Hoffman-La Roche, Inc.
1983-1987 Senior Research Member, Head Laboratory of Molecular Neurobiology, Department of Molecular Biology, New York State Institute for Basic Research in Developmental Disabilities. Staten Island, NY.
1987-1993 Associate Professor. Director of the Laboratory of Molecular Neurobiology of Alzheimer's disease. Department of Psychiatry and Fishberg Research Center for Neurobiology, Mount Sinai School of Medicine, City University of New York. New York.
1987-Present Member of Graduate School and Teaching Faculty, Mount Sinai School of Medicine, New York University.
1993-Present Professor and Laboratory Director, Departments of Psychiatry and Neuroscience, Mount Sinai School of Medicine, New York University, NY.
1994-Present First A.P. Slaner Professor for Alzheimer's disease Research and Director Center for Molecular Biology and Genetics of Neurodegeneration. Mount Sinai School of Medicine, New York University, NY
1996-1997 President of the National Hellenic Research Foundation
2002-2009 Teaching Faculty MD-PhD Graduate Program, University of Crete School of Medicine, Greece.

Honors, Awards, Committees:

- 1988 The McKnight Neuroscience Development award for Alzheimer's disease (AD) Research.
- 1994 The Zenith Award of the Alzheimer's Association of USA.
- 1994 Endowed Chair: The Mount Sinai School of Medicine of New York University selected Dr. Robakis for the First A. P. Slaner Professorship for research on the Neurodegeneration of Alzheimer's disease (endowment of \$1,300,000).
- 1994 Member of the Research Planning Workshop of the National Institute on Aging of USA to develop long-range research plans for Alzheimer's disease.
- 1990-2006 Advisory Committee Member, International Conference on Alzheimer's disease and Related Disorders (ICAD)
- 1998-91 Editorial Board, Journal of Alzheimer's disease
- 1998 The T.L.L. Temple Foundation Award
- 1997 Distinguished Scientist Award of the Hellenic Medical Association of New York.
- 2000-2007 Advisory Committee Member, Institute for the study of Aging
- 2000-2009 Advisory Committee Member, Alzheimer's Forum
- 2002-2009 Editorial Board, Journal of Alzheimer's disease (JAD).
- 2004-present Editorial Board, Current Alzheimer Research
- 2004-present Editorial Board, Neurodegenerative Diseases
- 2009-present Editorial Board of Journal of Cell Health and Cytoskeleton
- 2009-present Editorial Board Frontiers in Alzheimer's Disease
- 2004-present Member of the Organizing Committee of the Aegean Meeting on Neurologic disorders
- 2005-2015 The National Institutes of Health (NIH) MERIT Award
- 2005-06 Regular member, NIH study section Clinical Neuroimmunology and Brain Tumors (CNBT).
- 2006-present Board Member, Scientific Advisory Committee for NIH Neuroscience Research Program, City University of NY.
- 2006 Outstanding Contributor to Alzheimer Research Forum (Alzforum.org)
- 2008-present Scientific Advisory Board Member, International Conference on AD/PD
- 2009-present Regular member, NIH study section Cellular and Molecular Biology of Neurodegeneration (CMND)
- 2010 Chairman, Committee for the External Evaluation of the Medical School of the University of Thessaly, Greece. February 2010
- 2011 Member of Reviewing Board-EU Joint Programme on Neurodegenerative Disease Research (JPND), Berlin, Germany. October 2011
- 2012 Science Teaching Exchange Program (STEP) Lectures on neurodegenerative disorders, University of Thessaloniki Schools of Medicine and Biology. March 2012

Dr. Robakis' laboratory has been awarded numerous competitive Research Grants totaling millions of dollars from the National Institutes of Health of USA (NIH), pharmaceutical companies, and non-profit organizations (see below for current support).

He has been invited to lecture at many academic institutions and as a main speaker at numerous national and international meetings (see below). He has been on the editorial board of professional journals and on the Scientific Advisory Board of private organizations that fund AD and aging research. He has been working on the molecular biology and genetics of AD for the last 25 years. In 1987 his discovery of the APP gene was widely reported in the popular press in the States and abroad and was commented upon in Editorials of scientific journals. Dr Robakis has been a member of numerous study sections and review panels at the NIH and is currently a regular member of the Cellular and Molecular Biology of Neurodegeneration (CMND) study section at NIH. He has served in the Reviewing Board of numerous NIH-funded Program Projects and ADRCs. He has served as reviewer for most scientific journals including Science, Nature, Nature Medicine, PNAS, EMBO J etc, and as research advisor to several pharmaceutical companies including Merck Sharp and Dohme Research Laboratories (1992-1993) and Bristol-Myers Squibb Co (1991-1995). He has trained many students and post-doctoral fellows in the molecular and cell biology of neurodegeneration and Alzheimer's disease. Many trainees of his laboratory are currently faculty members in universities and other academic institutions or group leaders in pharmaceutical companies in USA and Europe.

Current grant awards supporting research in Dr. Robakis laboratory:

- a. NIH 2RO1-AG08200-21 (N. K. Robakis, P.I). 09\01\88-08\31\12. Project Title: "Cadherin/PS1/PI3K/Akt signaling in neuronal survival and AD" Effort: 15%.
- b. NIH 2RO1-NS047229-02 (N. K. Robakis, P.I), 01\01\04-12\31\14. Project Title: "PS1 activates the PI3K/Akt cell survival pathway" Effort: 20%.
- c. NIH MERIT Award 5R37 AG017926-07 (N.K. Robakis, P.I), 05/01/00-04/30/15. Project Title "PS1 Regulates Processing and Signaling of EphrinB/EphB." Effort: 20%.
- d. NIH/NIA 2P50-AG05138-16, 04/01/05-03/31/10. Alzheimer's disease Research Center at Mount Sinai School of Medicine (A. Georgakopoulos PI, NK Robakis, Investigator) "PS1 regulates cleavage and function of ephrinB ligand and EphB receptor." Effort 5%.
- e. Alzheimer Association Investigator Initiated Research Grant IIRG-06-26751 (N. K. Robakis, PI). 12/01/10-11/30/13. "Neuroprotective functions of Progranulin and Receptor" Effort: 10%.

Invited Speaker in national and international meetings, symposia and conferences (1986-present).

Banbury Conference. Neurochemistry of Aging. Cold Spring Harbor, New York, December 1986.

American Aging Association. Aging of the Brain: Recent advances. New York, October 1987.

New York State Department of Health, Birth Defects Institute. Disorders of the Developing Nervous System: Changing views on their origins, diagnosis and treatments. Albany, New York, September 1987.

Institute of Developmental Neuroscience and Aging. Molecular Aspects of Development and Aging of the nervous system. Athens, Greece, June 1988.

Hoechst-Roussel Pharmaceuticals Inc. New Insights into the Pathogenesis and Treatment of Alzheimer's Disease. Hershey, Pennsylvania, October 1989.

International Symposia on Dementia I. Molecular Biology and Genetics of Alzheimer's Disease. Niigata, Japan, November 1989.

Fondation Ipsen; Pour La Recherche Therapeutique. Growth Factors and Alzheimer's Disease .Strasbourg, France, April 1990.

Long Island Alzheimer's Foundation. International Symposium on Alzheimer's Disease. Garden City, New York, November 1990.

Academy of Behavioral Medicine Research. Research Update on Alzheimer's Disease and AIDS: Implications for behavioral medicine. Key West, Florida, June 1990.

ICI Pharmaceutical Group. Current Issues in Alzheimer's disease. Philadelphia, Pennsylvania, April 1990.

Bristol-Myers Squibb Co. Central Nervous System: Amyloid and Alzheimer's Disease. Wallingford, Connecticut, February 1990.

Second International Conference on Alzheimer's Disease and Related Disorders. Toronto, Canada, July 1990

Australian-New Zealand Society for Neuropathology. Workshop on Alzheimer's Disease. Sidney, Australia, July 1991.

American College of Neuropsychopharmacology. Abnormal Filaments in Alzheimer's Disease: Processing, toxic effects, and strategies for intervention. Organizer and co-Chairman of symposium. San Juan, Puerto Rico, December 1991.

Thirteenth Annual EINO Nelson Memorial Conference-FMC Co. Alzheimer's Disease. Saddlebrook, Florida, December 1991.

National Institute on Aging. Proteases and Protease Inhibitors. Emerging Roles in the Pathogenesis of Alzheimer's Disease. Bethesda, Maryland, December 1991.

Third International Conference on Alzheimer's Disease and Related Disorders. Terme, Padova Italy, July 1992.

International Study Group on the Pharmacology of Memory Disorders Associated with Aging. "Zurich VII." Zurich, Switzerland, February 1993.

Foundation Juan March. "Frontiers of Alzheimer's Disease." Madrid, Spain, April 1993.

Synaptic Loss in Aging and Alzheimer's Disease. A National Institute on Aging workshop to celebrate the Scientific Contributions of Robert Terry. New York, April 1993.

International Symposium on Dementia II. Molecular Biology and genetics of Alzheimer's Disease. Oiso, Japan, November 1993.

Fourth International Conference on Alzheimer Disease and Related Disorders. Minneapolis, Minnesota, USA, July 29 1994.

Alzheimer's Research Planning Conference. National Institute on Aging (NIA) and Fisher Medical Foundation. Washington DC, USA, May 24, 1994

European brain Bank Network for neurobiological Studies in Neurological and Psychiatric Disorders (E.B.B.N.). Plenary Meeting "Brain Research and Society". Barcelona, Spain, September 1995.

American College of Neuropsychopharmacology. Role of Apolipoproteins, Amyloid, Amyloid Precursor, and Tau in Alzheimer Disease and Strategies for Intervention. Organizer and co-Chairman of symposium. San Juan, Puerto Rico, December 1995.

Advanced Research Workshop on Alzheimer Disease, Sospiro Italy (Organized by the University of Milan). April 1996

Fourth International Conference on Alzheimer's Disease and Related Disorders, Osaka, Japan, July 1996.

International Symposium on Alzheimer's Disease, University of Thessaloniki, Dept. of Neurology, Thessaloniki, Greece May 1996.

International Course on neurodegenerative Disorders: Cellular and Molecular Mechanisms, (Organized by the Mexican Society of Physiological Sciences and the National University of Mexico). Puebla del los Angeles, Mexico. September 1996.

American College of Neuropsychopharmacology. "Role of Presenilins in Alzheimer's disease". Organizer and Chairman of symposium. San Juan, Puerto Rico, December 1996.

Keystone Symposia on Molecular and Cellular Biology. "Molecular Mechanisms in Alzheimer's Disease". Tamarron, Colorado, February 1997.

Fifth International Conference on Alzheimer's Disease and Related Disorders, Amsterdam The Netherlands, July 1998.

Keystone Symposia on Molecular and Cellular Biology "Molecular Mechanisms In Alzheimer's Disease". Silvermore, Colorado, February 1999.

Zurich IX Meeting on Alzheimer Disease and Related Dementias. February 18-20, 2000. R. Nitsch, J Growdon, S. Corkin, R. Wurtman, Organizers). Zurich Switzerland

Sixth International Conference on Alzheimer's Disease and Related Disorders, Washington DC, USA, July 2000.

Invitation to speak at the 1st International Conference on Alzheimer's Disease and Related Neurodegenerative Disorders in Wuhan, China (Oct 22-25, 2001)

Invited speaker on the Eighth International Conference on Alzheimer's disease and Related Disorders, Stockholm Sweden July 2002.

First International Congress for the improvement of Quality of Life on Dementia, Epilepsy and MS. Istanbul, Turkey, January 30 to February 1st 2003.

Plenary Lecture on AD on the 11th Pahnellenic Pharmaceutical Congress of the Pahnellenic Pharmaceutical Association [P.E.F.]. Athens, Greece, March 29-31 2003

Plenary Lecturer for the Ninth International Conference on Alzheimer's disease and Related Disorders, Philadelphia, USA July 2004.

First Aegean Meeting on Neurologic Therapeutics, Heraklion, Greece September 15-20, 2004

Cambridge Healthtech Institute. The Fourth Annual PepTalk: Protein Folding Disorders San Diego CA. January 11-12 2005.

"4th Hellenic Conference on Alzheimer Disease and other Neurogenerative Disorders" Thessaloniki, Greece. March 31-April 3, 2005.

"Protective strategies for neurodegenerative diseases." Vancouver, Canada, August 6-8, 2005 (sponsored by NIH).

"The 2005 Gordon Conference on Cell Contact and Adhesion." Proctor Academy Andover, New Hampshire. June 26-July 1 (2005).

Second Aegean Meeting on Neurologic Therapeutics, Heraklion, Greece May 20-23, 2006

Tenth International Conference on Alzheimer's Disease and Related Disorders, Madrid, Spain, July 15-20 2006.

8th International Conference on Alzheimer's and Parkinson's Diseases: Progress and New Perspectives. Salzburg, Austria March 14 – 18, 2007.

Third Aegean Meeting on Neurologic Therapeutics, Heraklion, Greece May 25-27, 2007

Fourth International Symposium on Alzheimer's Disease and Related Disorders in the Middle East. Athens, Greece October 26-28 2007.

Plenary Lecture: “Prospects in the treatment of AD: From Cholinesterase Inhibitors to stem cell therapy”. Athens Association of Alzheimer Disease and Related Disorders, Athens Greece, February 22–23, 2008.

Fourth Aegean Meeting on Neurologic Therapeutics, Heraklion, Greece May 23-25, 2008

Future Therapeutics of Alzheimer's Disease and Related Neurodegenerative Disorders
Plenary lecture: “*PI3 kinase signal transduction and presenilin-1.*” New York State Office of Mental Retardation and Developmental Disabilities, Institute for Basic Research Staten Island, NY. October 8, 2008.

22nd annual Meeting of the Hellenic Society for Neurosciences. Plenary lecture: “*Role of PS1 and APP in AD neurodegeneration*” Athens Greece, October 16-19 2008.

9th International Conference on Alzheimer's and Parkinson's Diseases: Advances, Concepts and New Challenges. Lecture: *Role of gamma-secretase in Cadherin and ephrin processing*. Prague, Czech Republic March 11–15, 2009.

Teaching faculty in CME-certified symposium: “*Targeting the Molecular Pathways of AD: Rationale and Outcomes for Disease Modification Strategies*” held in conjunction with the 9th International Conference on AD/PD. Prague, Czech Republic March 12, 2009.

Fifth Aegean Meeting on Neurologic Therapeutics, Heraklion, Greece May 23-25, 2009

Invited Symposium Speaker at Society for Neuroscience meeting Nov 14, 2010 in San Diego, CA. “AD-360°: Non-amyloid Mechanisms in Alzheimer's Disease Pathogenesis”

10th International Conference on Alzheimer's and Parkinson's Diseases (AD/PD, 2011). Barcelona, Spain, March 9-13, 2011.

Advances in Neurosciences for Medical Innovation (ANMI), meeting, St Jean-Cap Ferrat, France. November 17 - 19 2011.

Publications**A. Original peer-reviewed scientific articles**

1. Robakis, N., Meza-Basso, L., Brot, N. and Weissbach, H. (1981). Translational Control of Ribosomal Protein L10 Synthesis Occurs Prior to Formation of the First Peptide Bond. **Proc. Natl. Acad. Sci. USA**, 78:4261-4624.
2. Meza-Basso, L., Robakis, N., Cenatiempo, Y., Weissbach, H. and Brot, N. (1981). Guanosine-5'-diphosphate inhibits the in-vitro synthesis of beta-lactamase from pBR322 DNA. **Biochem. Biophys. Res. Commun.** 101:459-463.
3. Robakis, N. and Boublik, M. (1981). Conformation of free and ribosome bound mRNAs from E. Coli. **Biochem. Biophys. Res. Commun.** 103:1401-1408.
4. Cenatiempo, Y., Robakis, N., Meza-Basso, L., Brot N., and Weissbach, H. (1982) Isoacceptor Species in vitro to Discriminate between the Expression of Plasmid Genes. **Proc. Natl. Acad. Sci. USA**, 79:1466-1468.
5. Boublik, M., Robakis, N., Hellman, W. and Wall, S. (1982). Conformation of Free and Ribosome Bound rRNAs from E. Coli by Electron Microscopy. **Eur. J. of Cell Biology**, 27:177-184.
6. Peacock, S., Cenatiempo, Y., Robakis, N., Brot, N. and Weissbach, H. (1982). In vitro Synthesis of the First Dipeptide of the Beta Subunit of E. Coli RNA polymerase. **Proc. Natl. Acad. Sci. USA**, 79:4609-4612.
7. Cenatiempo, Y., Robakis, N., Reid, B.R., Weissbach, H. and Brot, N. (1982). In vitro Expression of E. Coli Ribosomal Protein L10 Gene: Tripeptide Synthesis as a Measure of Functional mRNA. **Arch. Biochem. Biophys.** 218:579-578.
8. Robakis, N., Cenatiempo, Y., Meza-Basso, L., Brot, N. and Weissbach, H. (1983). A coupled system to study gene expression based on di-tripeptide formation. **Methods in Enzymology**. 101:690-706.
9. Robakis, N.K., Rossman, T.G., Shapiro, R. and Szer, W. (1983). The Effects of Bisulfite on Growth and Macromolecular Synthesis in E. Coli. **Chemico-biological Interactions**, 43:289-298.
10. Robakis, N.K., Shapiro, R. and Szer, W. (1983). Reversal of Growth Inhibition by Bisulfite. **Chemico-Biological Interactions**. 43:299-311.
11. Weissbach, H., Robakis, N., Cenatiempo, Y. and Brot, N. (1984). A simplified in vitro system to measure gene expression based on dipeptide synthesis. **Biotechniques**, 2:16-22.

- 12 Robakis, N.K., Palleroni, N.J., Depreaux, C.W., Boublik, M., Baker, C.A., Churn, P.J. and Claus, G.W. (1985). Isolation and characterization of two phages for Gluconobacter Oxydans. **J. Gen. Microbiol.** 139:2467-2473.
- 13 Robakis, N.K., Palleroni, N.J., Boublik, M. and Depreaux, C.W. (1985). Construction of a restriction map of the Gluconobacter Bacteriophage A-1 Genome. **J. Gen. Microbiol.** 139:2475-2477.
- 14 Rubenstein, R., Kascsak, R.J., Merz, P.A., Papini, M.C., R.I., Robakis, N.K. and Wisniewski, H.M. (1985). Detection of Scrapie Associated Fibril (SAF) Protein Using Anti-SAF Antibody in Non-Purified Tissue Preparations. **J. Gen. Virology**, 67:671-681.
- 15 Kascsak, R.J., Rubenstein, R., Merz, P.A., Carp, R.I., Robakis, N.K., Wisniewski, H.M. and Deringer, H. (1986). Immunological analysis of scrapie associated fibrils isolated from four different scrapie agents. **J. Virol.** 59:676-683.
- 16 Robakis, N.K., Sawh, P.R., Wolfe, G.C., Rubenstein, R., Carp, R.I. and Innis, M.A. (1986). Isolation of a cDNA clone encoding the leader peptide of PrP protein and expression of the homologous gene in various tissues. **Proc. Natl. Acad. Sci. USA**, 83:6377-6381.
- 17 Robakis, N.K., Devine-Gage, E.A., Jenkins, E.C., Kascsak, R.J., Brown, W.T., Krawczun, M.S., and Silverman, W.P. (1986). Localization of a Human Gene Homologous to the PrP Gene on the p Arm of Chromosome 20 and Detection of PrP-Related Antigens in Normal Human Brain. **Biochem. Biophys. Res. Comm.**, 140: 758-765.
- 18 Robakis, N.K., Wisniewski, H.M., Jenkins, E.C., Devine-Gage, E.A., Houch, G.E., Yao, X-L, Ramakrishna, N., Wolfe, G., Silverman, W.P. and Brown, W.T. (1987). Chromosome 21q21 sublocalization of the gene encoding the β -amyloid peptide present in cerebral vessels and neuritic (senile) plaques of people with Alzheimer disease and Down syndrome. **Lancet** 1:384-385.
- 19 Wu, Y., Brown, W.T., Robakis, N.K., Dobkin, C., Devine-Gage, E, Merz, P. and Wisniewski, H.M. (1987). A PvuII RFLP detected in the human prion protein (PrP) gene. **Nucl. Acid. Res.** 15:3191 (RFLP Report).
- 20 Robakis, N.K., Ramakrishna, N., Wolfe, G. and Wisniewski, H.M. (1987). Molecular cloning of cDNA encoding the cerebrovascular and neuritic plaque amyloid peptides. **Proc. Natl. Acad. Sci. USA**, 84:4190-4194.
- 21 Reeves, R.H., Robakis, N.K., Oster-Granite, M.L., Wisniewski, H.M., Coyle, J.T. and Gearhart, J.D. (1987). Genetic linkage in the mouse of genes involved in Down Syndrome and Alzheimer's disease in man. **Molec. Brain. Res.** 2:215-221.

- 22 Fabrice, D., Robakis, N.K. and Lucotte, G. (1987). A new TaqI polymorphism detected by the cDNA encoding amyloid β -protein of Alzheimer's disease. **Nucl. Acid. Res.** 15:9103 (RFLP Report).
- 23 Warren, A.C., Robakis, N.K., Ramakrishna, N., Koo, E.H., Folstein, M.F., Price, D.L. and Antonarakis, J.E. (1987). β -Amyloid gene is not duplicated in autopsy-validated Alzheimer's disease. **Genomics**, 1:307-312.
- 24 Jenkins, E., Devine-Gage, E.A., Robakis, N.K., Yao, X-L, Brown, W.T., Houck, G.E., Wolfe, G., Ramakrishna, N., Silverman, W.P. and Wisniewski, H.M. (1988). Fine mapping of Alzheimer Disease-associated gene encoding β -amyloid protein. **Biochem. Biophys. Res. Commun** 151:1-8.
- 25 Wu, Y., Dobkin, C., Devine-Gage, E., Ramakrishna, N., Brown, T.W., Wisniewski, M.H. and Robakis, N.K. (1988). A high frequency NcoI RFLP detected in the Alzheimer amyloid peptide gene. **Nucl. Acid. Res.** 16:1647 (RFLP Report).
- 26 Devine-Gage, E.A., Jenkins, E.C., Brown, W.T., Robakis, N.K., and Wisniewski, H.M. (1988). The genetics of familial Alzheimer's Disease. **Age**, 11: 98-102.
- 27 LaFauci, G., Lahiri, D.K., Salton, S.R.J. and Robakis, N.K. (1989). Characterization of the 5' end Region and the first two exons of the β -Protein Precursor Gene. **Biochem. Biophys. Res. Commun.** 159:297-304.
- 28 Anderson, J.P., Refolo, L.M., Wallace, W., Mehta, P., Krishnamurthi, M., Bierer, L., Haroutunian, V., Perl, D. and Robakis, N.K. (1989). Differential Brain Expression of the Alzheimer's Amyloid Precursor. **EMBO J.** 8:3627-3632.
- 29 Refolo, L.M., Salton, S.R.J., Anderson, J.P., Mehta, P. and Robakis, N.K. (1989). Nerve and Epidermal growth factors induce the release of the Alzheimer amyloid precursor from PC12 cell cultures. **Biochem. Biophys. Res. Commun.** 164:664-670.
30. Jenkins, E.C., Devine-Gage, E.A., Yao, X.L., Houck, G.E., Brown, W.T., Robakis, N.K., Wisniewski, K.E., Silverman, W.P., Reisberg, B., and Wisniewski, H.M., (1989). Beta-amyloid protein probe hybridized to chromosome 9 in 3 Alzheimer disease individuals. **Prog. clin. Biol. Res.** 317: 269-275.
31. Harris, M.S., Devine-Gage, E. and Robakis, N.K. (1990). An AluI RFLP Detected in the Human Prion Protein (PrP) gene. **Nucl. Acids Res.** 18:385 (RFLP report).
32. Berkenbosch, R., Refolo, L.M., Friedrich Jr., V.L., Casper, D., Blum, M. and Robakis, N.K. (1990). The Alzheimer's Amyloid Precursor Protein is Produced by Type I Astrocytes in Primary Cultures of Rat Neuroglia. **J. Neurosci. Res.** 25:441-440.

from a pituitary clone at the 5' non-coding region. **Nucl. Acids Res.** 18:1299.

34. Brown, H.R., Goller, N.L., Rudelli, R.D., Merl, G.S., Gloria, W.C., Wisniewski, H.M. and Robakis, N.K. (1990). The mRNA Encoding the Scrapie Agent Protein is Present in a variety of non-neuronal cells. **Acta Neuropathol. (Berl)**, 80:1-6.
35. Lahiri, D.K., and Robakis, N.K. (1991) The promoter activity of the gene encoding Alzheimer β -amyloid precursor protein (APP) is regulated by two blocks of upstream sequences. **Molec. Brain Res.** 9: 253-257.
36. Wallace, W.C., Bragin, V., Robakis, N.K., Sambamurti, K., Vanderputten, D., Merril, C.R., Davis, K.L., Santucci, A.C., and Haroutunian, V. (1991). Increased Biosynthesis of Alzheimer amyloid precursor protein in the cerebral cortex of rats with lesions of the nucleus basalis of meynert. **Molec. Brain Res.** 10: 173-178.
37. Robakis, N.K., Anderson, J.P., Refolo, L.M. and Wallace, W. (1991). Expression of the Alzheimer Amyloid Precursor in Brain Tissue and Effects of NGF and EGF on its Metabolism. **Clinical Neuropharmacol.** 14: S15-S23
38. Anderson, J.P., Sambamurti, K., Esch, F.S., Keim, P.S., Lieberburg, I., and Robakis, N.K. (1991). Exact cleavage site of Alzheimer amyloid precursor in neuronal PC-12 cells. **Neurosci. Lett.** 128: 126-129.
39. Refolo, L.M., Wittenberg, I., Freidrich, V., and Robakis, N.K.(1991). The Alzheimer amyloid precursor is associated with the detergent-insoluble cytoskeleton. **J. Neurosci.** 11: 3888-3897.
40. Probst, A., Langui, D., Ipsen, S., Robakis, N.K., and Ulrich, J. (1991). Deposition of β /A4 protein along neuronal plasma membranes in diffuse senile plaques. **Acta Neuropathol.** 83: 21-29.
41. Roch, J-M., Sundsmo, M.P., Otero, D., Refolo, L.M., Robakis, N.K., and Saitoh, T. (1992). Bacterial expression, purification and functional mapping of the amyloid β /A4 protein precursor. **J. Biol. Chem.** 267: 2214-2221.
42. Vallet, P.G., Guntern, R. Hof, P.R., Golaz, J., Delacourte, A., Robakis N.K., and Bouras, C. (1992). A Comparative Study of Histological and Immunohistochemical Methods for Neurofibrillary Tangles and Senile Plaques in Alzheimer's Disease. **Acta Neuropathol.** 83: 170-178.
43. Pappolla, M.A., Omar, R.A., and Robakis N. K. (1992). Immunohistochemical Evidence of Antioxidant Stress in Alzheimer's Disease. **Am. J. Pathology** 140: 621-628.

44. Shioi, J., Anderson, J.P., Ripellino J.A., and Robakis N.K. (1992). Chondroitin Sulfate Proteoglycan Form of the Alzheimer's β -Amyloid Precursor. **J. Biol. Chem.** 267: 13819-13822.
45. Sambamurti, K., Shioi, J., Anderson, J.P., Pappolla, M.A., and Robakis, N.K. (1992). The Alzheimer's Amyloid Precursor Protein is cleaved Intracellularly in the Trans-Golgi Network and Post-Golgi vesicles. **J. Neurosci. Res.** 33: 319-329.
46. Pappolla, M.A., Omar, R.A., Sambamurti, K., Anderson, J.P., and Robakis, N.K. (1992). The Genesis of the Senile Plaque: Further evidence in support of its neuronal origin. **Am. J. Pathology** 141: 1151-1159.
47. Anderson, J.P., Chen, Y., Kim, K.S., and Robakis, N.K. (1992). An alternative secretase cleavage produces soluble Alzheimer's Amyloid Precursor Protein containing a potentially Amyloidogenic sequence. **J. Neurochem.** 59: 2328-2331.
48. Shioi, J., Refolo, L.M., Efthimiopoulos, S., and Robakis, N.K. (1993). Cellular and cell surface forms of the APP Chondroitin Sulfate Proteoglycan. **Neurosci. Lett.** 154: 121-124.
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C. Books Edited:

1. Alzheimer’s disease: new light on etiology and management. (N.K. Robakis, Theme Editor). Mount Sinai Journal of Medicine: A Journal of Translational and Personalized Medicine . Volume 77 (January/February 2010).

D. Abstracts:

Dr. Robakis has published more than 300 Abstracts. These are not included here but are available upon request.