Curriculum Vitae

Troy Townsend Rohn

Date and Place of Birth: June 6, 1967; San Jose, CA

Academic Training:

B.S. (Physiology) University of California at Davis, 1990
Ph.D. (Pharmacology) University of Washington, 1994

Professional Experience:

1990-1995: Predoctoral fellow in the Department of Pharmacology, University of Washington.

1995-1997: Postdoctoral fellow; INSERM Unite 99, Paris, France.

1997-1998 Postdoctoral fellow; Department of Veterinary Molecular Biology, Montana State University.

1998-2000 Postdoctoral fellow, Department of Neurology, Institute for Brain Aging and Dementia, UC Irvine

2000-2005 Assistant Professor, Department of Biology, Boise State University, Boise, ID

2005-2010 Associate Professor, Department of Biological Sciences, Boise State University, Boise, ID

2010- Professor, Department of Biological Sciences, Boise State University, Boise, ID

List of Undergraduates Mentored in Lab:

1. William Nesse (listed as co-author on published manuscript)
2. Stephen Kessinger (listed as co-author on published manuscript
3. Carly Merkel
4. Kristen Leenhouts (listed as co-author on published manuscript)
5. Young Eun Kim (listed as co-author on published manuscript)
6. Matthew Kai
7. Sorcha Cusack (listed as co-author on published manuscript)
8. Kwang-Ho Ha (listed as co-author on published manuscript)
9. Elizabeth Figueredo
10. Serena Wong (listed as co-author on published manuscript)
11. Cody Eaton (listed as co-author on published manuscript)
12. Shaniece Craft
13. Stephen Kessinger (listed as co-author on published manuscript)
14. Jordan Harris (listed as co-author on published manuscript)

15. Guy Warhurst
16. Lindsey Catlin (listed as co-author on published manuscript)
17. James Kweon (high student who did an internship in my lab, summer 2011)

List of Graduate Students Mentored in Lab:

1. Michael Davis (listed as co-author on published manuscript)
2. Jodie Newman (listed as co-author on published manuscript)
3. Peter Mouser (listed as co-author on published manuscript)
4. Brain Dufty (listed as co-author on published manuscript)
5. Veera Vyas (listed as co-author on published manuscript)
6. Deby Kumasaka (listed as co-author on published manuscript)
7. Polina Kokoulina (listed as co-author on published manuscript)
8. Kendra Coonse (a medical school student at UW WAMI program)

I have also served on numerous Thesis committees for students in other labs in our biology department

Formal Teaching Activities Past three years.

1) **Instructor for Biol. 442/542 (Molecular Neurobiology)** at Boise State University. This is a molecular neurobiology course for under- and graduate-students. Responsible for teaching all lectures, exam preparations, and grading. This is an intensive upper division course that most students find very challenging. The one aspect of this course that I try to do most is keep current with the most recent advancements in particular topics.

2) **Instructor for Biol. 431/531 (Pharmacology)** at Boise State University. This is a pharmacology course for both graduate and undergraduate students. All areas of pharmacology are covered. This is an interesting course as far as the students go. I typically have a wide-range of students enrolled in this course with various majors including pre-nursing, premedical, pre-pharmacy, pre-dental, biology etc. I try to teach this course at the level first year medical students. It is an extremely challenging course in terms of content and pace.

3) **Instructor for Biol. 100 (Concepts of Biology)** at Boise State University. This is a non-majors course covering all aspects of biology. A two-hour weekly lab to enforce concepts taught in class was also given. I am responsible for all aspects of this class. This is a service course for our department and typically the class size is large (greater than 200 students) and encompasses students who are not science majors.

4) **Instructor for Biol. 100 (Electronic Course)** at Boise State University. This is the online version the same course that I teach face-to-face. I was one of the original faculty members involved with the pilot blackboard program and was the first faculty member to develop and teach an online course for our department.

Major Awards for Teaching and Research:

1) 2005 Faculty Recognition Nomination for best faculty by ASBSU
2) 2006 Faculty Recognition Nomination for best faculty by ASBSU
3) 2007 Nominee for Foundation Scholar Teaching Award
4) 2008 Finalist Foundation Scholar Teaching Award
5) 2008 Nominated for Health-Hero in Teaching Idaho Business Review
6) 2008 College of Arts and Sciences Distinguished Award for Teaching
7) 2008 College of Arts and Sciences Distinguished Award for Research
8) 2009 Winner Foundation Scholar Teaching Award
9) 2010 Nominated for Idaho Professor of the year (did not win)
10) 2011 Nominated for Idaho Professor of the year (under review).

Major Research Interests:
Our laboratory is interested in the role that certain proteases play in promoting the pathology associated with different neurodegenerative diseases. For example, in Alzheimer's disease, our lab has investigated the role that caspases may play in promoting neurofibrillary tangle formation. In this regard, we hypothesize that the caspase-cleavage of the microtubule-associated protein, tau, may be the link between senile plaques and tangles observed in this disease. We have developed a novel transgenic mouse model of AD that overexpresses the anti-apoptotic protein, Bcl-2 and have demonstrated that such overexpression prevents plaque and tangle formation and improves cognition. More recently, we are beginning to assess the ability of caspase inhibitors in preventing Alzheimer's disease pathology in an aggressive transgenic mouse model of Alzheimer's.

Current and Pending Funding:

1) Oxford, Julie (PI), Rohn, Troy (Co-I) Funded
NASA EPSCoR 9/1/2010 to 8/31/2013
Molecular Mechanisms of Cellular Mechanoreception in Bone
2.2 month salary support and O.E., $7,200 per year

2) Rohn, Troy (PI) Funded
KO Alzheimer's Disease Foundation $28,000
To support undergraduate research fellows in my lab

3) Rohn, Troy (PI) Pending
NIH R21 4/1/2011 to 3/31/13 $167,217
A multi-organsimal approach to Azheimer's diseae drug discovery

Research projects funded, but have expired:

1) **Rohn, Troy (PI) Funded Effort 20%**
American Health Assistance Foundation (AHAF) $131, 140 01/04/2007-03/31/20010
Caspase-cleavage of tau in Alzheimer's disease
This was a three-year pilot study to examine the role of caspases as an interconnecting step between plaques and tangles in AD. The major goal of this project is to develop a novel transgenic mouse model of AD that over-expresses the antiapoptotic protein, Bcl-2.

2) **NIH/NCRR INBRE COPI's Laskowski, M. and Oxford, J.**
Funded
Rohn, Troy (Magnate Project Investigator P.I.)
07/01/2004-06/30/09 50%
$375,000
Involvement of astrocyte caspase activation and CD40/CD40L signaling interactions in Alzheimer's Disease
The major goals of this project are to develop specific antibodies that will recognize the caspase-cleavage products of GFAP, an astrocytic-specific protein. In addition, this proposal will examine if caspase activation occurs in reactive astrocytes of the AD brain and whether such activation is associated with specific markers of inflammation such as CD40/CD40L.

3) Development of Site-Directed Caspase-Cleavage Antibodies (R03); submitted to National Institute for Aging, July 2000. $50,000 for a one-year period was requested. **Funded** May 2001 - 2003 for $56,287

4) The Role of Caspase-8 in Alzheimer's Disease (AREA R15); submitted to National Institute for Health, September 15, 2000. $100,000 over a 3 year period was requested. **Funded** July 2001-2004, $122,523

Memberships and other Activities:

2000-2007 Board Member, Idaho Chapter of Alzheimer's Association
2005-2007 Grant Reviewer for Alzheimer's Association
2006-Member of the Snake River Association for Neuroscience
2007- Member of Society for Neuroscience
2008- Member of ISTAART, International Society to Advance Alzheimer Research and Treatment
2009- Executive Editor, *International Journal of Physiology, Pathophysiology and Pharmacology*
2010- Executive Editor, *International Journal of Clinical Experimental Pathology*

Publications (**H-index:** 23, as calculated by Google Scholar)

1. Clinch, K.A., Vincenzi, F.F., Rohn, T.T., Hinds, T.R. (1993) Stobadine protects ion pump ATPases from free radical inhibition. *Proc. West. Pharmacol. Soc.* **36**:209-214.

2. Rohn, T.T., Hinds, T.R., Vincenzi, F.F. (1993) Ion transport ATPases as targets for free radical damage. Protection by an aminosteroid of the Ca^{2+} pump ATPase and Na^{+}/K^{+} pump ATPase of human red blood cell membranes. *Biochem. Pharmacol.* **46**:525-534.

3. Rohn, T.T., Hinds, T.R., Vincenzi, F.F. (1993) Inhibition of the Ca^{2+} pump ATPase in intact red blood cells by tert-butyl hydroperoxide: importance of glutathione peroxidase. *Biochem. Biophys. Acta* **1153**:67-76.

4. Rohn, T.T., Hinds, T.R., Vincenzi, F.F. (1995) Inhibition of the Ca^{2+} pump ATPase in intact red blood cells by activated neutrophils. *Free Radic. Biol. Med.* **4**: 655-667.

5. Rohn, T.T., Hinds, T.R., Vincenzi, F.F. (1996) Inhibition of the Ca^{2+} pump ATPase by iron-generated reactive oxygen species: protection by 6,7, dimethyl-2,4-di-1-pyrrolidinyl-7H-pyrrolo (2,3-d) pyrimidine sulfate, (U-89843D), a potent, novel antioxidant/free radical scavenger. *Biochem. Pharmacol.* **51**: 471-476.

6. Sauvadet, A., Rohn, T.T., Pecker, F. and Pavoine, C. (1996) Synergistic actions of glucagon and mini-glucagon on calcium mobilization in cardiac cells. *Circulation Res.* **78**: 102-109.

7. Sauvadet, A., Pavoine, C., Rohn, T.T., and Pecker, F. (1996) Calcium signal and contraction. *C. R. Soc. Biol.* **190**: 243-253.

8. Sauvadet, A., Rohn, T.T., Pecker, F. and Pavoine, C (1997) Arachidonic acid drives mini-glucagon action in cardiac cells. *J. Biol. Chem.* **272**:12437-12445.

9. Rohn, T.T., Sauvadet, A., Pavoine, C. and Pecker, F. (1997) Xanthine affects $[Ca^{2+}]_i$ and contractile responses of ventricular cardiocytes to electrical stimulation. *Am. J. Physiol.* **273**: C909-C917.

10. Rohn, T.T. and Quinn, M.T. (1998) Inhibition of Peroxynitrite-mediated tyrosine nitration by the novel pyrrolopyrimidine antioxidant, U-101033E. *Eur. J. Pharmacol* **353**: 329-336.

11. Rohn, T.T., Nelson, L.K., Waeg, G. and Quinn, M.T. (1998) U-101033E (2,4-diaminopyrrolopyrimidine), a potent inhibitor of membrane lipid peroxidation as assessed by the production of 4-hydroxynonenal, malondialdehyde, and 4-hydroxynonenal-protein adducts. *Biochem. Pharmacol.* **56**:1371-1379.

12. Rohn, T.T., Nelson, L.K., Snipes, K.M., Swain, S.D., Jutila, K.L. and Quinn, M.T. (1999) Priming of human neutrophils by peroxynitrite: potential role in enhancement of the local inflammatory response. *J. Leukocyte Biol.* **65**: 59-70.

13. Rohn, T.T., Nelson, L.K., Davis, A.R. and Quinn, M.T. (1999) Inhibition of GTP binding to Rac2 by peroxynitrite: Potential role for tyrosine residue modification. *Free Radic. Biol. Med.* **26**: 1321-1331.

14. Ivins, K.J., Thornton, P.L., Rohn, T.T. and Cotman, C.W. (1999) Neuronal apoptosis by β-amloid is mediated by caspase-8. *Neurobiology of Disease* **6(5)**: 440-449.

15. Rohn, T.T., Ivins, K.J., Bahr, B.A., Cotman, C.W. and Cribbs, D.H. (2000) A monoclonal antibody to amyloid precursor protein induces neuronal apoptosis. *J. Neurochem.* **74**: 2331-2342.

16. Rohn, T.T., Head, E., Su, J.H., Anderson, A.J., Bahr, B.A., Cotman, C.W. and Cribbs, D.H. (2001) Evidence for caspase activation in tangle-bearing neurons in Alzheimer's disease. *American Journal of Pathology* **158**: 189-198 (See Commentary, page 1-2). A figure from this manuscript was selected for the cover illustration.

17. Mbebi, C., Rohn, T.T., Doyennette, M-A., Chevessier, F., Jandrot-Perrus, M., Hantai, D. and Verdiere-Sahuque, M. (2001). Thrombin receptor induction by injury-related factors in human skeletal muscle cells. *Experimental Cell Research* **263**: 77-87.

18. Rohn, T.T., Wong, S.M., Cotman, C.W. and Cribbs, D.H. (2001). 15-Deoxy-$\Delta^{12,14}$-prostaglandin J_2, a specific ligand for peroxisome proliferator-activated receptor-γ, induces neuronal apoptosis. *NeuroReport* **12**: 839-843.

19. Rohn, T.T., Head, E., Nesse, W.P., Cotman, C.W. and Cribbs, D.H. (2001). Activation of caspase-8 in the Alzheimer's disease brain. *Neurobiology of Disease* **8**:1006-1016.

20. Swain, S.D., Rohn, T.T. and Quinn, M.T. (2002). Neutrophil priming in host defense: Role of oxidants as priming agents. *Antioxidants and Redox Signaling* **4**:69-83.

21. Head, E., Lott, I.T., Cribbs, D.H., Cotman, C.W. and Rohn, T.T. (2002). β-Amyloid deposition and neurofibrillary tangle association with caspase activation in Down syndrome. *Neurosci. Lett* **330(1)**: 99-103

22. Rohn, T.T., Rissman, R.A., Davis, M.C., Kim, Y., Cotman, C.W. and Head, E. (2002). Caspase-9 activation and caspase cleavage of tau in the Alzheimer's disease brain. *Neurobiol Dis* **11**:341-354. A figure from this manuscript was selected for the cover illustration.

23. Rohn, T.T., Rissman, R.A., Head, E. and Cotman, C.W. (2002). Caspase Activation in the Alzheimer's Disease Brain: Tortuous and Torturous. *Drug News & Perspectives* **15(9)**: 549-557.

24. Clements MK, Siemsen DW, Swain SD, Hanson AJ, Nelson-Overton LK, Rohn TT, Quinn MT. (2003) Inhibition of actin polymerization by peroxynitrite modulates neutrophil functional responses. *J Leukoc Biol* **73(3)**: 344-355.

25. Chung, C-W, Hong, Y-M, Song, Woo, H-N, Choi, Y-H, Rohn, T.T. and Jung, Y-K. (2003). Atypical role of proximal caspase-8 in truncated tau-induced neurite regression and neuronal cell death. *Neurobiol Dis* **14(3):** 557-566.

26. Rohn, T.T., Cusack, S.M., Kessinger, S.R., and Oxford, J.T. (2004). Caspase activation independent of cell death is required for proper cell dispersal and correct morphology in PC12 cells. *Exp Cell Res.* **295(1):** 215-225.

27. Rissman, R.A., Poon, W.W., Blurton-Jones, M., Oddo, S., Torp, R., LaFerla, F.M., Rohn, T.T. and Cotman, C.W. (2004). Caspase-dependent cleavage of tau is an early event in Alzheimer's disease tangle pathology. *Journal of Clinical Investigation* **114:** 121-130 (See commentary, page 23).

28. Cusack, S.M., Rohn, T.T., Medeck R.J., Irwin, K.M., Brown, R.J., Mercer, L.M. and Oxford, J.T. (2004) Suppression of MeCP2beta expression inhibits neurite extension in PC12 cells. *Exp Cell Res.* 2004 Oct 1;**299(2):** 442-53.

29. Newman, J., Rissman R.A., Sarsoza, F., Kim, R.C., Dick, M., Rohn T.T. and Head, E. (2005) Caspase-cleaved tau accumulation in neurodegenerative diseases associated with the intracellular accumulation of tau or synuclein. *Acta Neuropathol (Berl).* **110(2):** 135-44.

30. Mouser, P.E., Head, E., Ha, K-H., and Rohn, T.T. (2006). Caspase cleavage of GFAP within degenerating astrocytes of the Alzheimer's disease brain. *American Journal of Pathology* **168(3):** 936-46.

31. Dufty, B.M., Warner, L.R., Hou, S.T., Jiang, S.X., Gomez-Isla, T., Leenhouts, K.M., Oxford, J.T., Masliah, E. and Rohn T.T. (2007). Calpain-cleavage of alpha-synuclein: Connecting proteolytic processing to disease-linked aggregation *American Journal of Pathology* **170(5)**: 1725-38.

32. Acarin, L., Villapol, S., Faiz, M., Rohn, T.T., Castellano, B. and Gonzalez, B. (2007). Caspase-3 activation in astrocytes following postnatal excitotoxic damage correlates with cytoskeletal remodeling but not with cell death or proliferation. *Glia*, **55**(9):954-65.

33. Rohn, T.T., Vyas, V., Hernandez-Estrada, T., Nichol, K.E., Christie, L-A and Head, E. (2008). Lack of pathology in a triple transgenic mouse model of Alzheimer's disease after overexpression of the anti-apoptotic protein, Bcl-2. *J. Neurosci*, **28(12)**: 3051-59

34. Corsetti V., Amadoro G., Gentile A., Capsoni S., Ciotti M.T., Cencioni M.T., Atlante A., Canu N., Rohn T.T., Cattaneo A, Calissano P. (2008). Identification of a caspase-derived N-terminal tau fragment in cellular and animal Alzheimer disease models. *Mol. Cell. Neurosci.* **38(3):**381-92. PMID: 18511295

35. Rohn, T.T. (2008). Caspase-cleaved TAR DNA-binding protein-43 is a major pathological finding in Alzheimer's disease. *Brain Research*, **1228(4):** 189-198.

36. Rohn, T.T. and Head, E. (2008). Caspase Activation in Alzheimer's Disease: Early to Rise and Late to Bed. *Reviews in the Neurosciences* (Invited Review, **19:** 383-393).

37. Rohn, T.T., Hernandez-Estrada, T. and Head, E. (2009) Caspases as therapeutic targets in Alzheimer's disease: Is it time to "cut" to the chase? *Int. J. Clin. Exp. Pathol.* (Invited Review, **2, 108-118**).

38. Rohn, T.T. and Kokoulina, P. (2009). Caspase-cleaved TAR DNA-binding protein-43 in Pick's disease. *Int, J. Physio. Pathophysio. Pharmacol.* **1(1)**:25-32.

39. Kumasaka, D.K., Galvan, V., Head, E. and Rohn T.T. (2009). Caspase Cleavage of the Amyloid Precursor Protein is prevented After Overexpression of Bcl-2 in a Triple Transgenic Mouse Model of Alzheimer's Disease. *Int J Physio Pathophysio Pharmacol* **1(1)**:48-56

40. Rohn, T.T. (2009). Cytoplasmic Inclusions of TDP-43 in Neurodegenerative Diseases: A Potential Role for Caspases. *Histology and Histopathology* (Invited Review, **24(8):**1081-1086).

41. Rohn, T.T., Kokoulina, P., Eaton, C.R. and Poon, W.W. (2009). Caspase Activation in Transgenic Mice with Alzheimer-like Pathology: Results From a Pilot Study Utilizing The Caspase Inhibitor, Q-VD-OPh. *Int J Clin Exp Med*. 2009; 2(4): 300–308. Published online 2009 November 5.

42. Rohn, T.T. (2010). The Role of Caspases in Alzheimer's Disease; Potential Novel Therapeutic Opportunities. Invited Review, *Apoptosis Journal*, 2010 Feb 3. [Epub ahead of print].

43. Kokoulina, P. and Rohn, T.T. (2010). Caspase-cleaved TAR DNA-binding protein-43 in Parkinson's disease and dementia with Lewy bodies. *Neurodegenerative Diseases*, **7(4)**: 243-250.

44. Rohn, T.T., Wirawan, E., Brown, R.J., Harris, J.R., Masliah, E. and Vandenabeele, P. (2011) Depletion of Beclin-1 due to proteolytic cleavage by caspases in the Alzheimer's disease brain. *Neurobiology of Disease* **43:** 68-78.

45. Masliah, E., Rockenstein, E., Mante, M., Crews, L., Spencer, B., Adame, A., Patrick, C., Trejo, M., Ubhi, K., Rohn, T.T., Mueller-Steiner, S., Seubert, P., Barbour, R., McConlogue, L., Buttini, M., Games, D. and Schenk, D. (2011). Passive immunization reduces behavioral and neuropathological deficits in an alpha-synuclein transgenic model of Lewy body disease. *PLoS ONE*, 10.1371/journal.pone.0019338.

46. Rohn, T.T. and Catlin, L.W. (2011). Immunolocalization of Influenza A Virus and Markers of Inflammation in the Human Parkinson's Disease Brain. *PLoS ONE*, 31 May 2011 10.1371/journal.pone.0020495.

Abstracts:

1. Rohn, T.T., Hinds, T.R., Vincenzi, F.F. (1993) Ion transport ATPases as targets for free radical damage: Protection by the aminosteriod U74006F. Presented at the meetings of the Western Pharmacology Society, January 31-February 5, Incline village, NV.
2. Vincenzi, F.F., Clinch, K.A., Rohn, T.T., Hinds, T.R. (1993) Stobadine protects ion pump ATPases from free radical inhibition. Presented at the meetings of the Western Pharmacology Society, January 31-February 5, Incline village, NV.

3. Aziz, S., Tada, Y., Raichenbach, D.D., Vincenzi, F.F., Rohn, T.T. (1993) An antioxidant (lazaroid) in combination with a subtherapeutic dose of cyclosporine prolongs cardiac allograft survival. Presented at the International Society for Heart and Lung Transplantation, 13th Annual Meetings, April 1-3, 1993, Boca Raton, FL.

4. Vincenzi, F.F., Rohn, T.T., Clinch, K.A., Hinds, T.R. (1993) Ion pumps: Link between free radical mechanisms and in vivo effectiveness of protectant drugs? Presented at the International Conference on Critical Aspects of Free Radicals in Chemistry, Biochemistry and Medicine, February 14-17, 1993, Vienna Austria.

5. Rohn, T.T., Hinds, T.R., Vincenzi, F.F. (1994) Neutrophil-mediated inhibition of the calcium pump ATPase in intact red blood cells. Presented at the meetings of the Western Pharmacology Society, February 2, Kona, HI.

6. Hinds, T.R., Nguyen, H., Rohn, T.T., and Vincenzi, F.F. (1994) Effect of strophanthidin on the Ca pump ATPase in human erythrocyte membranes. Presented at the meetings of the Western Pharmacology Society, February 2, Kona, HI.

7. Rohn, T.T., Sauvadet, A., Pavoine, C. and Pecker, F. (1996) P_2-purinoceptor activation by extracellular ATP results in a negative chronotropic effect in stimulated ventricular myoctes. Presented at the meetings of the 21st Symposium European, Hormones and Cell Regulation, September 20-23, Alsace, France.

8. Rohn, T.T., Nelson, L.K., Waeg, G., and Quinn, M.T. (1998) Inhibition of Peroxynitrite-Mediated Tyrosine Nitration By U-101033E, A Novel Pyrrolopyrimidine Antioxidant. *J. Leukocyte Biol.* Presented at the meetings of the American Heart Association, November 15-18, Dallas, Texas.

9. Rohn, T.T., Ivins, K.J., Bahr, B.A., Cotman, C.W. and Cribbs, D.H. (1999). Involvement of the amyloid precursor protein in neuronal apoptosis. Presented at the meetings of Neuroscience in October, Miami, Florida.

10. Cotman, C.W., Rohn, T.T. and Cribbs, D.H. (2000) The activation of apoptosis in Alzheimer's disease. Presented at the sixth international Stockholm/Springfield Symposium on Advances in Alzheimer Therapy, Stockholm, Sweden.

11. Kessinger, S.R., Cusack, S.M., Kim, Y-E, Davis, M.C., Oxford, J.T. and Rohn, T.T. (2002). Caspase cleavage of tau in the Alzheimer's disease brain. Presented at the 1st annual BRIN conference, Moscow, Idaho.

12. Rohn, T.T., Davis, M.C. and Head, E. (2002). Caspase cleavage of tau in the Alzheimer's disease brain. Presented at the eighth annual International Conference on Alzheimer's Disease and Related Disorders. Stockholm, Sweden, July 20-25.

13. Rissman RA, Head E, Poon WW, Cotman CW, Rohn TT. (2002) Caspase Dependent Cleavage of Tau is Correlated with Increasing Alzheimer's Disease Neuropathologic Severity. Soc Neurosci Abstr # 592.17 Nov 2-7 in Orlando, Fl

14. Rohn TT, Rissman RA, Poon WW, Blurton-Jones, M., Cotman, C.W. (2003). Caspase cleavage of tau is an early event in neurofibrillary tangle formation in Alzheimer's disease. Presented at the Sixteenth Annual Grantee Conference for American Federation for Aging Research, June 12-14 Santa Barbara, CA.

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15. Figueredo, E. and Rohn T.T. (2003). Caspase cleavage of tau in a transgenic mouse model of Alzheimer's disease. Presented at the second annual BRIN conference August 10-14, Boise, ID.

16. Newman, J., Rissman R.A., Sarsoza, F., Kim, R.C., Dick, M., Head, E. and Rohn T.T. (2004). Caspase-cleaved tau accumulation in neurodegenerative diseases associated with the intracellular accumulation of tau or synuclein. Presented at the ninth annual International Conference on Alzheimer's Disease and Related Disorders. Philadelphia, Pennsylvania, July 17-22.

17. Mouser, P., Head, E. and Rohn T.T. (2005). Caspase cleavage of GFAP within degenerating astrocytes of the Alzheimer's disease brain. Presented at Alzheimer's Association International Conference on Prevention of Dementia: Early Diagnosis and Intervention. Washington, D.C., June 18-21.

18. Rohn, T.T., Dufty, B.M., Warner, L.R. and Oxford, J.T. (2006). Calpain-cleavage of a-synuclein in Parkinson's and Dementia with Lewy body disease: Connecting proteolytic processing to disease-linked aggregation. Presented at the tenth annual International Conference on Alzheimer's Disease and Related Disorders. Madrid, Spain, July 16-20.

19. Rohn, T.T., Vyas, V., Hernandez-Estrada, T. and Head, E. (2007). Overexpression of the apoptotic protein, Bcl-2, prevents pathology in a transgenic mouse model of Alzheimer's disease. Presented at Alzheimer's Association International Conference on Prevention of Dementia: Early Diagnosis and Intervention. Washington, D.C., June 10-12.

20. Acarin, L., Villapol, S., Faiz, M., Rohn, T.T., Castellano, B. and Gonzalez, B. (2007). Astroglial caspase-3 activation after postnatal excitotoxicity is associated with cytoskeletal remodeling but not with proliferation or cell death. Presented at the VIII European Meeting on Glial Cells in Health and Disease. London, UK, September.

21. Rohn, T.T., Kumasaka, D.K., Galvan, V. and Head E. (2008). Caspase-cleavage of the amyloid precursor protein is prevented after overexpression of Bcl-2 in a triple transgenic mouse model of Alzheimer's disease. Presented at the eleventh annual International Conference on Alzheimer's Disease. Chicago, Illinois, July 24-30.

22. Carlos, A.J., Poon, W.W., Cotman, C.W. and Rohn T.T. (2010). Overexpression of Bcl-2 in APP transgenic mice reduces amyloid pathology. To be presented at the annual International Conference on Alzheimer's Disease. Honolulu, Hawaii, July 24-30.