

BRIEF BIOGRAPHICAL SKETCH: JAMES A. WEYHENMEYER, Ph.D.

EDUCATION:

B.A. – Knox College, Biology, 1973
Ph.D. – Indiana University, Cell Biology/Immunology, 1977
Postdoc. – University of Iowa, Physiology/Neuroscience 1979

PRESENT POSITION:

Director, IllinoisVENTURES, LLC
Executive Director, Illinois Technology Enterprise Center
Associate Vice President, Technology and Economic Development
Professor, Cell Biology, Neuroscience and Pathology
University of Illinois
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PREVIOUS ACADEMIC AND ADMINISTRATIVE APPOINTMENTS:

2002	Chief Executive Officer/Managing Director, IllinoisVENTURES, LLC
2000-03	Associate Vice President, Economic Development and Corporate Relations, University of Illinois
2000-01	Executive Director, IllinoisVENTURES, LLC
1999-00	Associate Vice President, Academic Affairs, University of Illinois
1996-98	GeneQuest, LLC, Scientific Advisory Board
1985-96	Associate Professor (tenured), Cell and Structural Biology and Neuroscience, University of Illinois
1993-97	Research Advisor, Internal Medicine and Pathology, University of Illinois
1983-	Biotechnology Center, University of Illinois
1988- 2002	Chair, Clinical and Biomedical Neurosciences, Neuroscience Program, University of Illinois
1979-	Graduate Faculty Member, University of Illinois
1979-85	Assistant Professor, Basic Sciences and Neural Behavioral Biology, University of Illinois

PROFESSIONAL ACTIVITIES (current, immediate past):

2005-	City of Chicago's Economic Development Council - Technology Committee
2003-	Entrepreneurial Center Network (East Central Region) Board of Managers (Chair)
2003-	Midwest Research University Network (Founding Member)
2003	NIH/HLBI SPARK Committee
2003-05	American Heart Association Budget Review Committee

2002-03	American Heart Association-GMA Joint Operating Committee
2002-	Illinois Chamber of Commerce Economic Development Committee
2002-05	American Heart Association Nominating and Awards Committee
2002	Illinois Chamber of Commerce Strategic Planning Committee
2002-03	American Heart Association Strategic Initiatives Task Force
2001-03	American Heart Association Research Committee (Chair)
2002-	Technology Executives Club of Chicago
2003-	Illinois Chamber of Commerce Economic Development Committee
2001-	Illinois Venture Capital Association
2001-	Chicago Civic Committee Venture Capital Forum
2001-03	President, American Heart Association-Midwest
2001-02	Chair, American Heart Association Research, Policy and Evaluation Committee
2001-03	American Heart Association Board of Directors
2001-02	American Heart Association Strategic Leadership Group
2001-03	American Heart Association Science Advisory Council
2001-02	Internet Executives Club, Chicago
2000-	Illinois Chamber of Commerce Board of Directors
2000-02	Illinois VENTURES Board of Managers
2000-	Illinois Chamber of Commerce Committee on Governmental Affairs
1997-03	American Heart Association-Midwest Board of Directors
1999-01	American Heart Association Research, Policy and Evaluation Committee (Vice Chair)
1998-01	Chair, American Heart Association Subcommittee on Research Policy
1997-02	American Heart Association Research, Policy and Evaluation Committee
1994-02	National Board of Medical Examiners Task Force on Neuroscience
1995-	American Heart Association-Midwest Board of Directors
1997-00	Chair, American Heart Association-Midwest Research Committee
1996-98	National Board of Medical Examiners Review Committee for Computer Based Testing
1994-95	Chair, American Heart Association Scientific Review Panel
1995-97	Chair, American Heart Association-Illinois Policy and Allocations Committee
1995-97	American Heart Association-Illinois Executive Committee
1996-97	Member, American Heart Association Planning Committee on Research Policy
1996-97	Chair, American Heart Association Multiple Affiliate Consortia Implementation Committee
1996-97	Chair, American Heart Association Affiliate Consortium Committee
1997-99	Chair, American Heart Association Midwest Research Consortia Steering Committee
1994-98	American Heart Association Study Section (Molecular Signaling)

UNIVERSITY COMMITTEES (current, immediate past):

2003-	Technology and Economic Development Management Team
2001-	College of Medicine Executive Committee
2000-03	Economic Development and Corporate Relations Management Team
2000-	Appointments, Promotion and Tenure Committee
1999-01	Committee on Instruction and Appraisal
1999-	Advisor Committee, Cell and Structural Biology
1998-00	Academic Affairs Management Team
1997-	Chair, Committee on Intellectual Property and Copyright
1997-00	UI-Online Steering Committee
1996-97	Medical School Admissions Prerequisites Committee
1996-97	Inter-Institutional Committee for Neuroscience

1995-97	Chair, Graduate Recruiting Committee, Cell and Structural Biology
1995-97	Neuroscience Program Executive Committee
1994-95	Chair, Markey Trust Search Committee in Molecular Neuroscience
1993-97	Curriculum Committee, Cell and Structural Biology
1993-95	Chair, Graduate Advisory Committee, Cell and Structural Biology
1993-95	Computer/Information Systems Task Force
1992-00	College of Medicine Executive Committee
1992-	Medical Scholars Steering Committee
1992-	Medical Scholars Admissions Committee
1991-00	College of Medicine Admissions Committee
1991-00	Campus Laboratory Animal Care Advisory Committee
1984-96	Coordinator, Medical Scholars in Neuroscience
1982-00	Director, Medical Neurosciences

HONORS AND AWARDS:

2004	Meritorious Achievement Award for Research, American Heart Association
2003	AHA Research Service Award
2003	AHA-GMA Board Service Award
2003	Leadership Award, American Heart Association, Midwest Affiliate
1996	Heart Torch Research Award, American Heart Association
1984-	American Men and Women of Science
1983-	Who's Who in Frontier Science and Technology
1982	Raymond B. Allen Award for Teaching Excellence
1978	Pharmaceutical Manufacturers Association Fellow
1977	NIH/NINCDS Postdoctoral Fellow
1976	Indiana University Graduate Research Fellowship

PROFESSIONAL SOCIETIES AND ORGANIZATIONS:

2001-	Illinois Venture Capital Association
2000-	American Heart Association Stroke Council
2000-	Association of University Technology Managers
2000-	Illinois Biotechnology Industry Organization
1990-	International Brain Research Organization
1990-	American Society for Cell Biology
1985-92	American Chemical Society
1979-	American Association for the Advancement of Science
1970-	Society for Neuroscience

SELECTED (RECENT) PUBLICATIONS:

- Grammatopoulos, T., Ahmadi, F., Jones, S., Weyhenmeyer, J. and Zawada, M. (2005) Angiotensin II protects dopaminergic neurons against rotenone-induced cell death in primary ventral mesencephalic cultures. *Brain Res.* 1045:64-71.
- Schelman, W., K. Sipe, J. Barnes, and J. Weyhenmeyer. (2004) Glutamate mediates cell death and decreases the Bcl-2 to Bax ratio in differentiated neuronal cells. *Molec. Brain Res.* 128:160-169.

- Schelma, W., R., P. Ferguson, B. Orr, S. Clemens, S. Koterski, and J. Weyhenmeyer. (2004) Angiotensin decreases NMDA-mediated neuronal apoptosis and prevents the associated reduction in Bcl-2 expression. *Molec. Brain Res.* 128:20-29.
- Grammatopoulos, T., Johnson, V., Moore, S., Andres, R. and Weyhenmeyer, J. (2004) Angiotensin type 2 receptor neuroprotection against chemical hypoxia is dependent on the delayed rectifier K⁺ channel, Na⁺/Ca²⁺ exchanger and Na⁺/K⁺ ATPase in primary cortical cultures. *Neurosci. Res.* 50:299-306
- Moore, S, Huang, N, Hinthong, O, Grammatopoulos, T, Andres, R and Weyhenmeyer, J. (2004) Human angiotensin II type-2 receptor inhibition of insulin-mediated ERK-2 activity via a G-protein coupled signaling pathway. *Molec. Brain Res.* 124:62-69.
- Grammatopoulos, T., Morris, K., Bachar, C., Moore, S., Andres, R. and Weyhenmeyer, J. (2003) Angiotensin attenuates chemical hypoxia-induced caspases-3 activation in primary cortical neural cultures. *Brain Res. Bulletin* 62:297-303.
- Gao, J., T. Grammatopoulos, W. Schelman, and J.A. Weyhenmeyer. (2003) Inhibitory effects of angiotensin on NMDA-induced toxicity in HTSM cultures. *Brain Res. Bulletin* 62:397-403.
- Moore, S, Patel, A, Huang, N, Lavin, B, Grammatopoulos, T, Andres, R and Weyhenmeyer, J. (2002) Effects of mutations in the highly conserved DRY motif on binding affinity, expression, and G-protein recruitment on the human angiotensin II type-2 receptor. *Molec. Brain Res.* 109:161-167.
- Grammatopoulos, T, Morris, K, Ferguson, P and Weyhenmeyer, J. (2002) Angiotensin protects neurons from hypoxic induced apoptosis via the angiotensin type 2 receptor. *Molec. Brain Res.* 99: 114-124.

SELECTED (RECENT) ABSTRACTS:

- Grammatopoulos, T.N. F. Ahmadi, S.M. Jones, J.A. Weyhenmeyer, and M.W. Zawada. (2004) Manipulation of the brain angiotensin system for the treatment of Parkinson's disease. *Neurosci. Abstr.* 30:21.13.
- Barnes, J.W., J.A. Barnes, S.A. Tischkau, J.A. Weyhenmeyer and M.U. Gillette. (2004) Light signals target timeless through protein kinase G in the mammalian clockwork. *Neurosci. Abstr.* 30:428.20.
- Moore, S.A. and J.A. Weyhenmeyer. (2004) Using synthetic peptide analysis to identify G-protein recruitment and activation motifs in the human angiotensin II type-2 receptor. *Neurosci. Abstr.* 30:847.5.
- Grammatopoulos, T.N. F. Ahmadi, S.M. Jones, J.A. Weyhenmeyer, and M.W. Zawada. (2003) Angiotensin II protects dopamine neurons against rotenone-induced cell death in primary ventral mesencephalic cultures. *Neurosci. Abstr.* 29: 95.10.
- Andres, R, Ferguson, P, Doyle, B, Moore, S, Grammatopoulos, T and Weyhenmeyer, J. (2002) Angiotensin type-2 (AT2) receptor modulation of NMDA receptor function and downstream signaling in NG108-15 neuronal cells. *Neurosci. Abstr.* 28:545.5.
- Grammatopoulos, T, Morris, K, Bachar, C and Weyhenmeyer, J. (2002) Angiotensin attenuates hypoxia-induced caspases-3 activation in primary cortical neuronal cultures. *Neurosci. Abstr.* 28:198.19.
- Moore, S.A., Patel, A., Huang, N. and Weyhenmeyer, J. (2002) Angiotensin type-2 receptor: A structural and functional analysis of the receptor and its signaling capabilities. *Neurosci. Abstr.* 28:42.15.
- Ferguson, P, Andres, R., Doyle, B., Patsavas, K. and Weyhenmeyer, J. (2001) Angiotensin II modulation of NMDA-induced NR2B and ERK phosphorylation in NG108-15 cells. *Neurosci. Abstr.* 27:267.3.
- Moore, S., Patel, A. and Weyhenmeyer, J. (2001) Identification of amino acid motifs in the human angiotensin II type-2 receptor Involved in G-protein activation. *Neurosci. Abstr.* 27:149.1.
- Grammatopoulos, T, and Weyhenmeyer, J. (2001) Modulation of a hypoxic-induced apoptotic pathway in primary neuronal cortical cultures by angiotensin II. *Neurosci. Abstr.* 27:864.11.
- Grammatopoulos, T., Schelman, W., Ferguson, P., Waldrop, T. and Weyhenmeyer, J. (2000) Angiotensin II modulation of chemical induced hypoxic cell in mouse cortical neurons in primary culture. *Neurosci. Abstr.* 26:1451.
- Moore, S., Patel, A., Lavin, B. and Weyhenmeyer, J. (2000) Identification of amino acid motifs in the human angiotensin type 2 receptor involved in G-protein activation. *Neurosci. Abstr.* 26:1451.