

*CURRICULUM VITAE*

**Ralph W. Kuncel**

**Faculty Academic Credentials/Bibliography**

**May 2012**

**Ralph W. Kuncl**

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<http://www.rochester.edu/provost/>

**CURRENT POSITION:**

**Provost and Executive Vice President, University of Rochester** (2007-present)

**Professor of Brain & Cognitive Sciences and Neurology, University of Rochester** (2007-present)

**FORMER POSITIONS:**

**Vice Provost, Johns Hopkins University** (2001-2002); **Professor of Neurology and Cellular and Molecular Medicine**, Johns Hopkins University School of Medicine (1983-2002); and **Director, Neuromuscular Laboratory**, Johns Hopkins University School of Medicine (1998-2001)

**Provost, Professor of Biology**, Bryn Mawr College (2002 - 2007); and **Professor of Neurology**, **University of Pennsylvania** School of Medicine (2002 - 2007)

**EDUCATION:**

**AB** Occidental College (magna cum laude, Phi Beta Kappa, with department honors) (1970)

**PhD** University of Chicago, Division of Biological Sciences (Experimental Pathology) (1975)

**MD** University of Chicago, Pritzker School of Medicine (1977)

**PROFESSIONAL TRAINING AND PREVIOUS ACADEMIC APPOINTMENTS:**

1970-1980 **University of Chicago, Division of Biological Sciences:** Fellowship, Medical Scientist Training Program (1970-77); Teaching Assistantship, Cellular Pathology (1974); Residency, Departments of Medicine and Neurology (1977-80)

1976 **National Hospital at Queen Square, London:** Postgraduate Course

1980-1983 **The Johns Hopkins University, Department of Neurology:** Research and Clinical Postdoctoral Fellowships in Neuromuscular Diseases

1983-2002 **The Johns Hopkins University, School of Medicine:** Assistant Professor of Neurology (1983-88); Associate Professor of Neurology (1989-95); Professor of Neurology (1996-2002), Pathology (1999-2002), and the Graduate Program in Cellular and Molecular Medicine (1996-2002)

1996 **Executive Medical Business Graduate Certificate**, Johns Hopkins University

2000-01 **Fellowship, American Council on Education**

**ACCOMPLISHMENTS:**

- Cultivation and stewardship of multi-million dollar major gifts, major donor prospects, and multiple major grants from private foundations and federal agencies
- Leader of a successful three-way corporate/university/state alliance to establish a "Health Sciences Center for Computational Innovation," with the goal of \$100 Million
- Expertise in technology transfer, commercialization policy, and implementation
- National leadership in undergraduate higher education reform and college affordability
- 10 years provostial experience on multiple COFHE campuses
- Editorial leadership, #1 international clinical neuroscience journal
- Performing musician
- Founder of community initiatives

# TEACHING

## Special Presentations on the Science of Learning

1. Invited Presentation, Consortium on Finance in Higher Education, **April 28, 2003**: “Revisiting the Relevance of Liberal Arts in the Context of Assessment and Pre-Professional Preparation.”
2. Invited Plenary Session Speaker and Moderator, Reinvention Center Conference on “Integrating Research into Undergraduate Education: The Value Added,” Washington DC, **November 18-19, 2004**: “Incorporating Principles of Learning into Undergraduate Education.”
3. Invited Panelist, national conference of the Reinvention Center, “Education, Innovation, and Discovery: The Distinctive Promise of the American Research University,” Washington DC, **November 13, 2008**: plenary session on “General Education at the Research University in the 21<sup>st</sup> Century: Innovative Alternatives to the Four-Year Liberal Arts College Model.”
4. Invited Workshop Leader, national conference of the Reinvention Center, “Education, Innovation, and Discovery: The Distinctive Promise of the American Research University,” Washington DC, **November 13, 2008**: breakout session on “Student-Driven Approaches to General Education.”
5. Invited Panelist, with the President of Penn State University and the Provost of University of Albany, to the Stony Brook University General Education Panel Envisioning the Strategic Plan, “50 Forward,” **October 6, 2010**: “Creative Alternatives to Menu-Based General Education Distribution Requirements: Student-Driven Cluster Systems.”
6. University of Rochester *School of Medicine and Dentistry; School of Nursing; and Margaret Warner Graduate School of Education and Human Development (2009, 2010, 2011) (combined interdisciplinary masters program)*: “EDU 580 Foundations of Health Professions Education;” Lecture topics, “How People Learn: New Insights into the Psychology of Learning.”
7. University of Rochester *Deans’ Teaching Fellowship Program (2009, 2010) (professional development series)*: “How People Learn: New Insights into the Psychology of Learning.”
8. Annual Keynote “State of the Faculty Address,” University of Rochester, **January 18, 2011**: “The Teaching Enterprise of a Great University.” [see video, <http://www.rochester.edu/provost/>]

## Teaching of Leadership and Planning:

- Peer teaching of faculty, staff, and trustees in strategic planning, through facilitation of the Hopkins Commission on Undergraduate Education (2001-02)
- Professional development and leadership training for faculty chairs (2006-07, at Bryn Mawr; 2007-present, at University of Rochester)
- Professional development training in executive search, on a national basis through Academic Impressions Conferences (2005)
- Creation and leadership of “New Leaders Program” for training new department chairs, center directors, and deans at University of Rochester (2007-present)
- Collaborative, national, interactive leadership workshop, in cooperation with the American Council on Education, Rochester Institute of Technology, and Syracuse University; was developed and launched at University of Rochester, entitled *Leading Your Department Into the Future: A Leadership Program for Chairs, Heads, and Directors* (inaugural session, 2010)

**Undergraduate, Graduate, and Medical School Courses Taught:  
Johns Hopkins University:**

*Department of Medicine*

"Introduction to Medicine: Clinical Skills" (1982-1999)

*Department of Neurology*

"Neurology Clerkship" (annually, 1 month per year) (1983-1999)

"Research in Neuroscience" (1986, 1987, 1989 - 1991, 1999, 2000)

*Department of Pathology*

"Introduction to Pathology" (Neurology/Neuropathology sections) (1990, 1991, 1993, 1994, 1995)

"Nerve and Muscle Pathology Conference" (biweekly, 1994-2000)

*School of Medicine - First Year Curriculum*

"Medical Student Journal Club - Neuroscience" (1997-1999)

**Bryn Mawr College and Haverford College:**

*Department of Biology*

"Neural and Behavioral Sciences Senior Seminar" (2002-2005)

*Praxis Program (independent research)*

"Institutional Research on Correlates of Undergraduate Retention"

**University of Rochester:**

*William E. Simon Graduate School of Business Administration (2007-11)*

"Marketing 442: Improving the Simon School and the University of Rochester;" lectures on academic and financial leadership

*Margaret Warner Graduate School of Education and Human Development (2008-11)*

"ED 436: Overview of Higher Education: How Universities Work"

*College of Arts & Sciences (2009-10)*

Take Five Program: "Independent Study 391: Exploring Biomarkers of Bi-Polar Disorder"

*School of Medicine and Dentistry; School of Nursing; and Margaret Warner Graduate School of Education and Human Development (2009, 2010, 2011) (combined interdisciplinary masters program):* "EDU 580 Foundations of Health Professions Education;" Lecture topics, "How People Learn: New Insights into the Psychology of Learning"

*Deans' Teaching Fellowship Program (2009-10)*

"How People Learn: New Insights into the Psychology of Learning"

*University Human Resources Department (recurrent, several times per year, 2010, 2011)*

"Shared Governance, Following the Money in a Decentralized University, and Guiding Principles for University Leadership"

### **Teaching Awards and Honors:**

Teacher Investigator Development Award, NIH-NINCDS, 1983-1988  
"Old Fart" Award (Neurology resident teaching award), 1988  
Frank R. Ford Award, for outstanding teacher in the Department of Neurology, 1991  
"Old Fart" Award (Neurology resident teaching award), 1994  
11th Annual John H. Kendig Neuroscience Lecturer, St. Johns Mercy Medical Center, St. Louis, 1998

### **Students Trained and Colleagues Mentored:**

(For undergraduates, professional postgraduate trainees, postdoctoral fellows, residents, and faculty, see Appendix B)

## **OTHER SCHOLARSHIP**

### **SCHOLARSHIPS, RESEARCH AWARDS, AND HONORS:**

University of California Regents Scholarship (merit scholarship; declined, to attend Occidental), 1966  
Haines Scholar, Occidental College, 1967-70  
Department Honors, Occidental College, 1970  
Magna cum laude, Occidental College, 1970  
Phi Beta Kappa, 1970  
Medical Scientist Training Program Fellowship, University of Chicago, 1970-77  
First Prize, Associated Electronic Industries Electron Micrograph Competition, Manchester, England, 1974  
Andrew W. Mellon Foundation Clinician Scientist Career Development Award, 1988-1990  
Capitol Award for Scientific Achievement, Myasthenia Gravis Foundation of Greater Washington, 1989  
Elected member, American Neurological Association, 1990  
11th Annual Kendig Neuroscience Lecturer, St. Johns Mercy Medical Center, St. Louis, 1998  
Selected faculty Grand Marshall, Johns Hopkins University Commencement, 2001  
Distinguished Service Award, University of Chicago, 2002  
Honored with dedication of first undergraduate journal of philosophy (*Prometheus*) at JHU, 2003  
"Best Physicians on the Mainline," 2003  
Elected to "Best Doctors," 2005-present  
Soaring Eagle Award, 2008  
Selected keynote speaker, Iota Chapter, Phi Beta Kappa, 2009  
Elected by National Academies of Sciences to membership in Government-University-Industry Research Roundtable, 2009-2012

### **BOARD CERTIFICATIONS:**

1983-present	American Board of Psychiatry and Neurology (certificate #24917)
1989-present	American Board of Electrodiagnostic Medicine (formerly member by examination, 1984, American Association for Electromyography & Electrodiagnosis)
1996-2006	American Board of Psychiatry and Neurology, Certificate of Added Qualifications in Clinical Neurophysiology (certificate #627)
1999-present	United Council for Neurological Specialties Clinical Neuromuscular Pathology (formerly granted by American Academy of Neurology, Qualifications in Neuromuscular [nerve and muscle] Pathology)

**MEDICAL LICENSES:**

1980-present State of Maryland (active)  
2003-2009 State of Pennsylvania (currently inactive status)

**CONSULTANTSHIPS:**

1991-1994 Neuromuscular Consultant, Performing Arts Medicine Program, Bennett Institute for Sports Medicine & Rehabilitation  
1999-2001 Scientific Advisory Board, Bioracs Corporation  
1983-present Medical-legal Consultant, various clients, states of MD, IL, MO, MI, CA, PA, WV, CN, NV, NH, FL  
2001-2009 Primary national consultant, statin drug toxicity, Bayer Corporation  
2005-present InterConsultant, Best Doctors®, Boston, MA  
2010-present Consultant, drug development toxicology, Ardea Biosciences, Inc, San Diego, CA  
2011 Consultant, Drug-induced Muscle Toxicity Advisory Board, Novartis Pharmaceuticals Corporation, Hanover, NJ

**HONORARY SOCIETIES:**

Phi Beta Kappa  
Psi Chi (Psychology)  
Sigma Xi (Scientific Research)

**SCIENTIFIC ORGANIZATIONS:**

Society for Neuroscience (1971-present)  
American Academy of Neurology (Fellow, 1987-present)  
New York Academy of Sciences  
American Society for Neurological Investigation (Charter member 1983-1989)  
American Association of Electrodiagnostic Medicine (formerly American Association of Electromyography and Electrodiagnosis) (1983-2002)  
Society for Experimental Neuropathology (Founding member, 1988-1998)  
American Neurological Association (Elected member, 1990-present)  
International Society of Neuropathology (1991-2003)  
Council of Science Editors (1991-2002)

**NATIONAL SERVICE AND ACADEMIC COMMITTEES:*****Higher Education:***

Board of Directors, Tuition Plan Consortium, sponsor of Private College 529 Plan (Director, 2008-present)  
Government-University-Industry Research Roundtable (appointed as member by the National Academies of Sciences, 2009-present)  
National Executive Board, The Reinvention Center (2001-2010)  
Northeast Deans Association (2002-2007)  
Annapolis Group Deans (2002-2007)  
National Advisory Board, Reinvention Center's Math/Biology Survey and Dissemination Grant to NSF, in collaboration with MAA, AAAS, and ASM (2003)  
National Advisory Group, NSF Grant: "Supplement of the Conference on 'Undergraduate Research and Scholarship and the Mission of the Research University' November 13-15, 2002" (Math/Bio Survey) (2003-2004)  
Review Team Member (generalist), decennial regional accreditation of University of Pennsylvania by Middle States Commission on Higher Education (2004)

American Council on Education, Council of Fellows: Executive Board (2003-2006) and Finance and Development Committee (2003-2009)  
AAU Chief Academic Officers (2007-present)  
AAU 10-University Provosts Group (2007-present)  
Blavatnik Awards Committee, New York Academy of Sciences (2009)  
Review Team Member, decennial regional accreditation of Dartmouth College by New England Association of schools and Colleges (2009)

***Neurology and Neuroscience:***

Neurology C Ad Hoc B1 Study Section, NINCDS (1986)  
Myasthenia Gravis Foundation, Medical Advisory Board Member (1990-94)  
Amyotrophic Lateral Sclerosis Association, Scientific Review Committee (1990)  
Neurology NSP-A Ad Hoc Study Section, NINDS (1992, 1993)  
Invited Reviewer, *The United States Pharmacopeial Convention, Drug Information* [Data Base on Colchicine], 1995 Edition.  
Invited Grant Reviewer, National Science Foundation (1995); The Wellcome Trust (1996); Department of Veterans Affairs (1996); Binational Science Foundation (Israel and USA) (1997-98)  
American Neurological Association, Finance and Investment Committee (1998-2003); Public Policy Committee (2003-2006)

**EDITORIAL EXPERIENCE:**

**University of Rochester Press:** Oversight of the UR Press; responsibility for its budget (2007-present)  
**Higher education reviewer:** *MIT Press* (2007-08)  
**Professional development:** Externship - Arthur K. Asbury, MD, *Annals of Neurology* (1991)  
Reporter - Fidia Research Foundation International School of Neuroscience (1991-92)  
**Editorial positions:** Associate Editor, *Annals of Neurology* (1997 - 2002)  
**Books:** *Motor Neuron Disease*, Saunders, 2002  
**Society membership:** Council of Science Editors (1991-2002)  
**Ad hoc reviewer, health research:** *Neurology; Muscle & Nerve; Journal of Neurology, Neurosurgery, and Psychiatry; JAMA; Medicine; American Journal of Medicine; AIDS; Dysphagia; Journal of Neurochemistry; Journal of Neurological Sciences; Journal of Cellular Physiology; Neuroscience; Brain Research; Annals of Neurology*  
**Invited editorial reviewer, health care:** *US Pharmacopeial Convention Drug Information*, 1995; *Johns Hopkins Handbook of Drugs: Specially Edited and Organized by Disease for People After 50*, 1997; *The Johns Hopkins Complete Home Encyclopedia*, 1998; *Johns Hopkins IntelliHealth* (a WWW consumer health information site), 1998 and 1999; Editorial Consultant for *Johns Hopkins Symptoms and Remedies*, 1998 edition.  
**Invited editorial reviewer, higher education:** *Examining Core Elements of International Research Collaboration: Summary of a Workshop*: by the Government University Industry Research Roundtable, section on Policy and Global Affairs. Co-chairs, John M. Carfora and James J. Casey Jr, National Academies Press, National Academy of Sciences, 2011 (editorial reviewer for National Academy of Sciences).

**OTHER UNIVERSITY AND COLLEGE SERVICE:**

***At Johns Hopkins University:***

Minimally Invasive Technologies Group; Johns Hopkins University, 1991  
Staff Conference Committee, Johns Hopkins Hospital Medical Staff, 1992-1993  
Incentive Development Plan Committee, Johns Hopkins Neurology Dept., 1993-1994  
Clinical Care Committee, Johns Hopkins Neurology Dept., 1993

Neurosciences Performance Improvement Committee, Johns Hopkins Hosp (Chair,1997-01)  
Quality Assurance Committee, Johns Hopkins Hospital (1997-2001)  
Undergraduate Enrollment Management Team, Johns Hopkins Univ (founder/chair, 2001-02)

***At Bryn Mawr College:***

Committee on Institutional Priorities (Chair, 2002-2007)  
Committee on Academic Priorities (ex officio, 2002-2007)  
Committee on Appointments (ex officio, 2002-2007)  
Graduate Council (ex officio, 2002-2007)  
Undergraduate Curriculum Committee (ex officio, 2002-2007)  
Task Force on Governance (ex officio, 2004-2005)  
Task Force on Balancing Mission and Resources (Graduate Schools, 2005-2007)

***At University of Rochester:***

Chair, Technology Transfer Policy Committee (2007-present)  
Chair, Data Security Task Force (2007-present)  
Chair, Conflict of Interest Committee (2007-present)  
Chair, Dean's Committee on Academic Practices (2007-present)  
Memorial Art Gallery Board of Managers (member, 2007-present)  
University of Rochester Medical Center Board (member, 2007-present)  
Chair, University Council on Sustainability (2008-present)  
Chair, Provost's Multidisciplinary Award Committee (2008-present)  
Chair, IT Steering Group (2009-present)  
Chair, Sponsored University Research Group (2009-present)  
Founder and Chair, Deans' Council (2009-present)  
Co-Chair, Steering Group on Economic Climate and University Finances (2009-present)

# BIBLIOGRAPHY

(publications by category; chronological number at left)

## *Current Manuscripts Submitted or in-Preparation for Peer-reviewed Journals*

143. Freedman DM, **Kuncl RW**, Weinstein SJ, Malila N, Virtamo J, Albanes D: Amyotrophic lateral sclerosis risk and vitamin E: serum levels and controlled supplement use. (Submitted, *Neurology*, 2012).
144. Bilak MM, Moss BH, **Kuncl RW**: Calbindin-D28K expression in glutamate-injured ventral horn neurons is increased by insulin-like growth factor-I (IGF-I) and glial cell line-derived neurotrophic factor (GDNF). (In preparation, 2012).
145. **Kuncl RW**, Fayez H, Wiggins WW, Lewis L, Lehar M: Mitochondrial pathophysiology of human zidovudine myopathy and its animal model. (In preparation, 2012).
146. **Kuncl RW**, McGready J, Moon J: the concept of variance by historical analysis over long epochs of college and national university rankings by several international methodologies. (In preparation, 2012).
147. **Kuncl RW**: Coordinated response of pemphigus vulgaris to thymectomy performed for myasthenia gravis (In preparation, 2012).
156. **Kuncl RW** and Romano G: Toxic myopathy. In, Katirji B, Kaminsky HJ, and Ruff RL, eds, *Neuromuscular Disorders in Clinical Practice*, Second Edition; Springer, (In preparation, 2012).
157. Freedman DM, Curtis RE, Goedert JJ, **Kuncl RW**, Tucker MA: The association between cancer and amyotrophic lateral sclerosis. (Submitted, *Intl J Cancer*, 2012)

## *Peer-Reviewed and Invited Publications (Completed)*

### *Higher Education:*

138. **Kuncl RW**: Federal underinvestment in education research. *Academe* 90(4):44-50, 2004.
140. **Kuncl RW**: Incorporating principles of learning into undergraduate education. Proceedings of the 2nd Reinvention Center Conference, "Integrating Research into Undergraduate Education: The Value Added," Washington DC, November 18-19, 2004; Reinvention Center, pp. 35-37, 2005.
150. Green WS, Schudson M, Gillmore GM, **Kuncl RW**, Thompson RJ, Burger P: General Education at the Research University in the 21st Century: Innovative Alternatives to the Four-Year Liberal Arts College Model (Plenary Session, from the National meeting of the Reinvention Center, "Education, Innovation and Discovery: The Distinctive Promise of the American Research University," November 13-14, 2008). Conference proceedings: pp 14-20.  
<http://www.reinventioncenter.miami.edu/conference2008/schudsongillmore/summary.htm>
151. **Kuncl RW**, Burger P, Feldman R: Student-Driven Approaches to General Education (Breakout Session, from the National meeting of the Reinvention Center, "Education, Innovation and Discovery: The Distinctive Promise of the American Research University," November 13-14, 2008). Conference

proceedings: pp 36-38, and

<http://www.reinventioncenter.miami.edu/conference2008/kunclburger/summary.htm>

154. **Kuncl RW**: A model of its kind (foreword). In, Thompson BJ, *The University of Rochester Press: A Brief History of the First Twenty Years*. University of Rochester Press, Rochester, NY, pp ix-xii, 2009.
155. **Kuncl RW**: Felix Mendelssohn, the Contrapuntal Tradition, and the Eastman Rochester Organ Initiative (foreword). In, Thym, Jürgen, *The Organ in Mendelssohn's World, Mendelssohn and Counterpoint, and the Long Shadow of Bach*. University of Rochester Press, Rochester, NY, (in press, 2011). (Special edition on the occasion of an international conference on Felix Mendelssohn and the Contrapuntal Tradition, Christ Church and the University of Rochester Eastman School of Music, October 29, 2009).

*Skeletal Muscle and Muscle Disease (Toxicology, Pharmacology, Biochemistry, and Clinical Aspects):*

2. **Kuncl RW**, and Meltzer HY: Pathologic effect of phencyclidine and restraint on rat skeletal muscle structure: prevention by prior denervation. *Exp Neurol* 45:387-402, 1974.
4. Meltzer HY, **Kuncl RW**, Click J, and Yang V: Incidence of Z-band streaming and myofibrillar disruption in skeletal muscle from healthy young people. *Neurology* 26:853-857, 1976.
6. **Kuncl RW**, and Meltzer HY: Role of the adrenal in an experimental myopathy. *Exp Neurol* 57:320-330, 1977.
7. **Kuncl RW**, and Meltzer HY: Lesions of the myofibril in myopathic and normal tissue from seven striated muscles; Experimental myopathy of phencyclidine and restraint. *Acta Neuropathologica* 45:83-95, 1979. (Selected for review in the 25th Rheumatism Review of the American Rheumatism Association, *Arthritis and Rheumatism* 26:342, 1983.)
8. **Kuncl RW**, and Meltzer HY: Beta adrenergic-mediated myofibrillar disruption and enzyme efflux in an experimental myopathy related to isometric muscle activity. *Exp Molec Pathol* 31:113-123, 1979.
9. Ross-Canada J, Chizzonite RA, **Kuncl RW**, and Meltzer HY: Retention of sarcoplasmic calcium inhibits development of the phencyclidine-restraint experimental myopathy. *Exp Neurol* 79:1-10, 1983 (and 88:773, 1985).
10. **Kuncl RW**, Drachman DB, and Kishimoto Y: Phospholipid methylation in skeletal muscle membranes. *Muscle & Nerve* 8:426-434, 1985.
12. Arora RC, **Kuncl RW**, Morgan JC, Cohen L, and Meltzer HY: Serotonin uptake in blood platelets of Duchenne muscular dystrophy patients. *Muscle & Nerve* 10:359-362, 1987.
14. **Kuncl RW**, Duncan G, Watson D, Alderson K, Rogawski M, and Peper, MJ: Colchicine myopathy and neuropathy. *N Engl J Med* 316:1562-1568, 1987. (Selected for review and editorial in *Lancet* and *British Medical Journal*).
15. DeSilva SD, Drachman DB, Mellits D, and **Kuncl RW**: Prednisone treatment in Duchenne muscular dystrophy: Long-term benefit. *Arch Neurol* 44:818-822, 1987.
16. **Kuncl RW**, Duncan G, Watson D, Alderson K, Rogawski MA, Peper M: Colchicine neuropathy or Vitamin B deficiency neuropathy? *N Engl J Med* 317:1290-91, 1987.

17. **Kuncl RW**, and Duncan G: Chronic human colchicine myopathy and neuropathy. *Arch Neurol* 45:245-246, 1988.
28. **Kuncl RW**, Cornblath DR, Avila O, and Duncan G: Electrodiagnosis of human colchicine myoneuropathy. *Muscle & Nerve* 12:360-364, 1989.
31. **Kuncl RW**, Pestronk A, Lane J, Alexander E: The MRL  $+/+$  Mouse: A new model of tubular aggregates which are gender- and age-related. *Acta Neuropathologica* 78:615-620, 1989.
33. DeSilva SD, **Kuncl RW**, Griffin JW, Cornblath DR, Chavoustie S: Paramyotonia congenita or hyperkalemic periodic paralysis? Clinical and electrophysiologic features of each entity in one family. *Muscle & Nerve* 13:21-26, 1990.
39. Wallace SL, Singer JZ, Duncan GJ, Wigley FM, and **Kuncl RW**: Renal function predicts colchicine toxicity: guidelines for the prophylactic use of colchicine in gout. *J Rheumatol* 18:264-269, 1991. (Selected for review and republication in *Orthopedics/Rheumatology Clinical Digest Series*, 1991; for news report in *International Medical News*, 1991; for reprinting of abstract in *The International Monitor in Rheumatology*, June, 1991; and for publication of Japanese summary in *Gateway to Medicine*, 1992).
40. **Kuncl RW**: Impaired renal function and colchicine toxicity. *J Rheumatol* 18:1942-43, 1991.
41. Wallace SL, Singer JZ, Duncan GJ, Wigley FM, **Kuncl RW**: Renal function predicts colchicine toxicity: guidelines for prophylactic use of colchicine in gout. *Ortho/Rheum Digest* 3:4-6, 1991.
47. Ashe J, Borel CO, Hart G, Humphrey RL, Derrick DA, **Kuncl RW**: Amyloid myopathy presenting with respiratory failure. *J Neurol Neurosurg Psych* 55:162-165, 1992.
54. Threlkeld AB, Miller NR, Golnik K, Griffin JW, **Kuncl RW**, Johns D, Lehar M, Hurko O: Ophthalmologic involvement in the myo-neuro-gastrointestinal encephalomyopathy (MNGIE) syndrome. *Amer J Ophthalmol* 114:322-328, 1992.
58. McClatchey AI, McKenna-Yasek D, Cros D, Worthen HG, **Kuncl RW** De Silva SM, Cornblath DR, Gusella JF, Brown RH: Novel mutations in families with unusual and variable disorders of the skeletal muscle sodium channel. *Nature Genetics* 2:148-152, 1992.
78. **Kuncl RW**: "Myopathy" in congenital amaurosis. *Neurology* 44:190-191, 1994 (letter).
90. Kelly JH, **Kuncl RW**: Myology of the pharyngoesophageal segment: gross anatomic and histologic characteristics. *Laryngoscope* 106:713-720, 1996.
93. Mei L, Kachinsky AM, Seiden JE, **Kuncl RW**, Miller JB, Haganir RL: Differential expression of PTP1D, a protein tyrosine phosphatase with two SH2 domains, in slow and fast muscle fibers. *Exp Cell Res* 224:379-390, 1996.
101. Duggan DJ, Gorospe JR, Fanin M, Hoffman EP, Angelini C, Pegoraro, Noguchi S, Ozawa E, Pendlebury W, Waclawik AJ, Duenas DA, Hausmanowa-Petrusewicz I, Bean SC, Haller JS, Bodensteiner J, Greco CM, Pestronk A, Berardinelli A, Gelinas DF, Abram H, **Kuncl RW**: Mutations in the sarcoglycan genes in patients with myopathy. *N Engl J Med* 336:618-624, 1997.
112. Weinberg J, Curl LA, **Kuncl RW**, McFarland EG: Occult presentation of myotonia congenita in a 15-year-old athlete. *Am J Sports Med* 27:529-531, 1999.

121. Hull KM, Griffith L, **Kuncl RW**, Wigley FM: A deceptive case of amyloid myopathy: clinical and MRI features. *Arth Rheum* 44:1954-8, 2001.
129. Umapathi T, Chaudhry V, Cornblath D, Drachman D, Griffin J, **Kuncl RW**: Head drop and camptocormia – the spectrum of bent-spine disorders. *J Neurol Neurosurg Psych* 73:1-7, 2002.
136. **Kuncl RW**, Bilak MM, Craig SW, Adams R: Exocytotic “constipation” is a mechanism of tubulin/lysosomal interaction in colchicine myopathy. *Exp Cell Res* 285:196-207, 2003 [chosen for “Highlights” section and for cover photo].
149. Kuncl RW: Agents and mechanisms of toxic myopathies. *Current Opinion in Neurology*, 22:506-515, 2009.
153. Greenberg SA, Salajegheh M, Judge DP, Feldman MW, **Kuncl RW**, Waldon Z, Steen H, Wagner KR: Etiology of limb girdle muscular dystrophy 1D/1E determined by laser capture microdissection proteomics. *Ann Neurol* 71:141-145, 2012.

***Motor Neuron Diseases (Pathophysiologic Mechanisms, Experimental Drug Development, Diagnosis & Management):***

13. Cornblath DR, **Kuncl RW**, Rechthand E, Watson D, Yee WC, Baden E, and DiPietro C: The value of rectus abdominal muscle electromyography. *Muscle & Nerve* 10:376, 1987.
18. **Kuncl RW**, Cornblath DR, and Griffin JW: Assessment of thoracic paraspinal muscles in the diagnosis of ALS. *Muscle & Nerve* 11:484-492, 1988.
26. Pestronk A, Adams RN, Clawson L, Cornblath D, **Kuncl RW**, Griffin D, and Drachman DB: Serum antibodies to GM1 ganglioside in amyotrophic lateral sclerosis. *Neurology* 38:1457-61, 1988.
27. Pestronk A, Adams RN, Cornblath DR, **Kuncl RW**, Drachman DB, Clawson L: Patterns of serum IgM antibodies to GM1 and GD1a gangliosides in ALS. *Ann Neurol* 25:98-102, 1989.
29. Pestronk A, Adams RN, **Kuncl RW**, Drachman DB, Clawson LL, Cornblath D: Differential effects of prednisone and cyclophosphamide on autoantibodies in human neuromuscular disorders. *Neurology* 39:628-633, 1989.
30. Drachman DB, **Kuncl RW**: ALS: An unconventional autoimmune disease? *Ann Neurol* 26:269-274, 1989.
34. Pestronk A, Chaudhry V, Feldman EL, Griffin JW, Cornblath DR, Denys EH, Glasberg M, **Kuncl RW**, Olney RK, Yee WC: Lower motor neuron syndromes defined by patterns of weakness, nerve conduction abnormalities, and high titers of antiglycolipid antibodies. *Ann Neurol* 27:316-326, 1990.
37. Rothstein JD, Tsai G, **Kuncl RW**, Clawson LL, Cornblath DR, Drachman DB, Pestronk A, Stauch BL, Coyle JT: Abnormal excitatory amino acid metabolism in amyotrophic lateral sclerosis. *Ann Neurol* 28:18-25, 1990.
43. Tsai G, Stauch-Slusher B, Sim L, Hedreen JC, Rothstein JD, **Kuncl R**, Coyle JT. Reductions in acidic amino acids and *N*-acetylaspartylglutamate in amyotrophic lateral sclerosis CNS. *Brain Res* 556:151-156, 1991.

45. Rothstein JD, **Kuncl RW**, Chaudhry V, Clawson L, Cornblath DR, Coyle JT, Drachman DB: Excitatory amino acids in ALS: an update. *Ann Neurol* 30:224-225, 1991.
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### **Patents**

36. **Kuncl RW** and Drachman DB: "Method of Treating Myasthenia Gravis and Related Diseases." US Patent Office, Patent #4,918,060, April 17, 1990.

### **Books**

124. **Kuncl RW**: *Motor Neuron Disease*. Saunders (Major Problems in Neurology Series), London, 2002.

### **Publications from Multicenter Trials**

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68. **Baltimore Choral Arts Society**: Sergei Rachmaninoff *All-Night Vigil, op. 37*. WJHU Public Radio and Baltimore Choral Arts Society, producers, 1993 (compact disc and cassette tape).
69. **Baltimore Choral Arts Society**: *Christmas with Choral Arts*. Tom Hall, Christopher Czeh, Judith Schonbach, producers; published by WJHU Public Radio and Baltimore Choral Arts Society, 1993 (compact disc).
99. **Baltimore Choral Arts Society**: *Christmas at the Basilica*. Tom Hall, producer; T Rowe Price, sponsor; WMAR TV, 1996.
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119. **Baltimore Choral Arts Society**: *Christmas at the Basilica*. Tom Hall, producer; WMAR TV, 2001.

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137. **Baltimore Choral Arts Society:** *Gates of Justice*, by Dave Brubeck. Tom Hall and Dave Brubeck, producers. Published by Naxos and the Milken Foundation Archive of Jewish American Music, January 20, 2004 (compact disc, Naxos ID # 8.559414).
139. **Baltimore Choral Arts Society:** *Christmas at the Cathedral of Mary Our Queen*. Tom Hall, producer; T Rowe Price, sponsor, WMAR TV, 2004.
151. **Eastman Rochester Chorus:** *Bruckner Mass in E Minor and Bruckner Motets*, with Eastman Wind Ensemble, William Weinert, producer and conductor, 2007.
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### **Book Chapters, Review Articles, Audio-visual Publications**

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22. **Kuncl RW**: Colchicine myopathy. *Johns Hopkins Grand Rounds* 14:Program 4, 1988.
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46. **Kuncl RW**, Clawson LL: Amyotrophic lateral sclerosis. In, *Current Therapy in Internal Medicine*, Third Edition. Kassirer JP, ed. BC Decker, Inc., Philadelphia, pp. 1695-1704, 1991.
51. Rothstein JD, Chang RR, **Kuncl RW**: Amyotrophic lateral sclerosis: abnormal glutamate transport and models of chronic glutamate toxicity. In, Simon RP, editor, *Excitatory Amino Acids*, Fidia Research Foundation Symposium Series, 9:223-227, 1992. (Fourth Conference on Excitotoxicity, Yosemite, California, February 1992).
55. **Kuncl RW**: Practical immunotherapy in the management of myasthenia gravis and polymyositis: use of corticosteroids, azathioprine, and cyclosporine. In, Drachman DB, ed., *Immunosuppressive Treatment for Neurologists*. Minnesota, American Academy of Neurology, pp. 57-81, 1992.
63. Corse AM, **Kuncl RW**: Polymyositis. In, Johnson RT and Griffin JW, eds., *Current Therapy in Neurological Disease*, Fourth Edition. BC Decker, Inc., St. Louis, pp. 392-397, 1993.
65. Clawson LL, Rothstein JD, **Kuncl RW**: Amyotrophic lateral sclerosis. In, Johnson RT and Griffin JW, eds., *Current Therapy in Neurological Disease*, Fourth Edition. BC Decker, Inc., St. Louis, pp. 286-295, 1993.
66. **Kuncl RW**: Practical immunotherapy in the management of myasthenia gravis. In, Drachman DB, ed., Course Syllabus: *Immunosuppressive Treatment for Neurologists*. Minnesota, American Academy of Neurology, pp. 247- 263, 1993.
70. **Kuncl RW**, George EB: Toxic neuropathies and myopathies. *Curr Opin Neurol* 6:695-704, 1993.
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81. **Kuncl RW**: Practical immunotherapy in the management of myasthenia gravis and Lambert-Eaton syndrome. In, Drachman DB, ed., Course Syllabus: *Immunosuppression for Neurologists*. Minnesota, American Academy of Neurology, 341:21-44, 1994.
82. **Kuncl RW**: Myasthenia gravis treatment options. In, Sanders D, ed., Course Syllabus: *Myasthenia Gravis and Myasthenic Syndromes*. Minnesota, American Academy of Neurology, 333:51-72, 1994.
85. Corse AM, **Kuncl RW**: Peripheral neuropathy. In, Barker LR, Burton JR, Zieve P, eds., *Principles of Ambulatory Medicine*, Fourth Edition. Williams and Wilkins, Baltimore, pp. 1240-57, 1995.
88. **Kuncl RW**: Practical immunotherapy in the management of myasthenia gravis and Lambert-Eaton syndrome. In, Drachman DB, ed., Course Syllabus: *Immunosuppression for Neurologists*. Minnesota, American Academy of Neurology, 344:17-40, 1995.
94. Corse AM, **Kuncl RW**: Myasthenia gravis. In, Lichtenstein LM, Fauci AS, eds: *Current Therapy in Allergy, Immunology, and Rheumatology*, 5th Edition. Mosby, Philadelphia, pp. 386-393, 1996.
95. Corse AM, **Kuncl RW**: Myasthenia gravis and myasthenic syndrome. In, Johnson RT and Griffin JW, eds: *Current Therapy in Neurological Disease*, 5th Edition. Mosby, Philadelphia pp. 392-400, 1996.
100. **Kuncl RW**: Diseases of the motor unit. In, Stobo J, et al., eds., *The Principles and Practice of Medicine*, 23<sup>rd</sup> edition. Appleton, Century, Crofts, New York, pp. 890-904, 1996.
102. **Kuncl RW**, Hoffman PN: Myopathies and disorders of neuromuscular transmission. In, Miller NR and Newman NJ, eds: *Walsh & Hoyt's Clinical Neuro-Ophthalmology*, 5th Edition. Williams and Wilkins, Baltimore, pp. 1351- 1460, 1997.
103. Corse AM, **Kuncl RW**: Myasthenia gravis and myasthenic syndrome. In, Kassirer JP and Greene HL, eds:, *Current Therapy in Internal Medicine*, 4th Edition. Mosby, Philadelphia, pp. 1407-15, 1997.
105. **Kuncl RW**: Immune mediated muscle diseases. In, Coyle PK, ed., Course Syllabus: *Clinical Neuroimmunology*. Minnesota, American Academy of Neurology, 340:55-86, 1997.
108. Flanigan KM, Lauria G, Griffin JW, **Kuncl RW**: Age related biology and diseases of muscle and nerve. *Neurol Clin* 16:659-669, 1998.
109. **Kuncl RW**: Immune mediated muscle diseases: polymyositis, dermatomyositis, inclusion body myositis. In, Coyle PK, ed., Course Syllabus: *Clinical Neuroimmunology*, Minnesota, American Academy of Neurology, 2FC.005:95- 124, 1998.
110. **Kuncl RW**: Human adjuvant diseases – silicone implants and bovine collagen implants. In, Coyle PK, ed., Course Syllabus: *Clinical Neuroimmunology*, Minnesota, American Academy of Neurology, 2FC.005:177-182, 1998.
113. Corse AM, **Kuncl RW**: Peripheral neuropathy. In, Barker LR, Burton JR, Zieve P, eds., *Principles of Ambulatory Medicine*, Fifth Edition. Williams and Wilkins, Baltimore, pp 1296-1313, 1999.
125. **Kuncl RW**: Errors in diagnosis. In, Kuncl RW, ed, *Motor Neuron Disease*. Saunders, London, pp 21-36, 2002.

126. Shaw PJ, **Kuncl RW**: Current concepts in the pathogenesis of ALS. In Kuncl RW, ed, *Motor Neuron Disease*. Saunders, London, pp 37-73, 2002.
127. Hugon J, Ludolf A, **Kuncl RW**: Pharmacotherapy of ALS and its scientific basis. In Kuncl RW, ed, *Motor Neuron Disease*. Saunders, London, pp 115-132, 2002.
128. Baldino F, Farah JM, **Kuncl RW**: Therapeutic trials, drug development, and regulatory oversight. In, Kuncl RW, ed, *Motor Neuron Disease*. Saunders, London, pp 149-167, 2002.
131. Romano G, Lehar M, **Kuncl RW**: Toxic myopathy. In, Katirji B et al., eds, *Neuromuscular Disorders in Clinical Practice*. Butterworth Heinemann, pp 1205-1217 and color plates 44-50, 2002.
132. **Kuncl RW**: Immune mediated muscle diseases: polymyositis, dermatomyositis, and inclusion body myositis. In, Johnson RT, Griffin JW, McArthur JM, eds, *Current Therapy in Neurologic Disease*, Sixth Edition. Mosby, Philadelphia, pp 412-421, 2002.
133. Romano G, **Kuncl RW**: Peripheral neuropathy. In, Barker LR, Burton JR, Zieve P, eds., *Principles of Ambulatory Medicine*, Sixth Edition. Williams and Wilkins, Baltimore, pp. 1455-1474, 2002.
141. **Kuncl RW**: Use and misuse of corticosteroids. In, Johnson RT, Griffin JW, McArthur JM, eds, *Current Therapy in Neurologic Disease*, Seventh Edition. Mosby, Philadelphia, pp. 416-421, 2006.

### ***Dissertations***

1. **Kuncl RW**: The approval- and achievement-motivational determinants of changes in level of aspiration following success and failure. Department of Psychology, Occidental College, 1970 (A.B. Honors Dissertation).
3. **Kuncl RW**: Experimental myopathy of phencyclidine and restraint. University of Chicago Division of Biological Sciences, 1975 (Ph.D. Dissertation).

### ***Miscellany***

5. **Kuncl RW**: The life cycle and sexual development of the Beem<sup>®</sup> capsule. *J Irreproducible Results* 22(4): 29, 1976 (Humor).
53. **Kuncl RW**: Amyotrophic Lateral Sclerosis and Other Motor Neuron Diseases (Advances in Neurology, Volume 56), Lewis P. Rowland, editor. *Ann Neurol* 31:578, 1992 (Book Review).
56. Fidia Research Foundation, *Neuropsychology: The Neuronal Basis of Cognitive Function* (International School of Neuroscience of the Fidia Research Foundation, vol. 2), K Brocklehurst, Editor; **RW Kuncl**, Reporter, pp. 113-129 ("The Cerebellum: Coordination and Adaptation of Movement," WT Thach, Jr) and pp. 207-222 ("Language, Spatial Cognition, and Brain Organization," U Bellugi). Thieme Medical Publishers, New York, 1992.
117. **Kuncl RW**, Garrity SM: A "brief" editorial. *Ann Neurol* 45:3, 1999 (Editorial).

118. **Kuncl RW:** Atlas of Clinical Neurology, Roger N. Rosenberg, editor-in-chief. *Ann Neurol* 45:825-26, 1999 (Book Review).
134. **Kuncl RW:** Pathology of Skeletal Muscle, Second Edition, by Stirling Carpenter and George Karpati. *Ann Neurol* 51:536, 2002 (Book Review).

*Selected Invited Lectures, Courses, Panel Discussions, Conferences Organized (see also below)*

4. Visiting Professor, Uniformed Services University of Health Sciences, Walter Reed Army Medical Center and Bethesda Naval Hospital, September 24-25, 1986: "An Unrecognized Mimic of Polymyositis: Colchicine Myo/neuropathy," "Evaluation and Differential Diagnosis of ALS," and "Mechanisms of Acetylcholine Receptor Turnover."
5. Visiting Lecturer, University of Chicago, November 24, 1986: "Altering the Lysosomal Pathway in Skeletal Muscle -- Relevance to Receptor Turnover and Muscle Diseases."
6. Visiting Lecturer, Burroughs Wellcome Co., Research Triangle Park, NC, March 4, 1987: "Endocytosis of the Acetylcholine Receptor in the Pathophysiology of Myasthenia Gravis: Potential Therapy with Methyltransferase Inhibitors."
7. Visiting Professor, UCLA School of Medicine, October 26-27, 1987: "The Endosomal/Lysosomal Pathway in Skeletal Muscle and its Relevance to Muscle Diseases."
9. Visiting Lecturer, Uniformed Services University of Health Sciences, Washington DC, November 19, 1987: "New Experimental Therapies for Myasthenia Gravis".
15. Visiting Lecturer, Center for Vaccine Development (Divisions of Geographic Medicine, Infectious Diseases, and Tropical Pediatrics), University of Maryland School of Medicine, November 10, 1989: "Drugs That Affect Endocytosis and Their Use in Myasthenia Gravis."
29. Invited Lecturer, Johns Hopkins Hospital, a national symposium entitled "Institute on Ministry to the Sick," May 1, 1991: "Coping with Chronic Neurological Diseases: Medical, Psychosocial, and Research Aspects."
31. Invited Participant, "Workshop on Neuro-AIDS: Drug discovery and Development," Portland, Maine, July 22-25, 1991; sponsored by the Developmental Therapeutics Branch of DAIDS and NIAID, the Division of Antiviral Drug Products of CDER and FDA, the Pathogenesis Branch of DAIDS and NIAID, the NINDS, and the NIEHS.
34. Chair, Workshop at the Fourth Conference of the National Cooperative Drug Discovery Groups, "Frontiers in HIV Therapy," San Diego, November 5-7, 1991: "Toxicology of Anti-HIV Therapy."
40. Invited Faculty, American Academy of Neurology course entitled, "Immunosuppressive Treatment for Neurologists," San Diego, May 8, 1992: "Practical Immunotherapy in the Management of Myasthenia and Polymyositis: Use of Corticosteroids, Azathioprine, and Cyclosporine."
50. Invited Faculty, American Academy of Neurology course entitled, "Myasthenia Gravis and Myasthenic Syndromes," Washington DC, May 6, 1994: "MG Treatment Options."
53. Visiting Professor, University of Arizona Health Sciences Center, Department of Neurology, January 6, 1995: "New Approaches to Pathogenesis of ALS and Therapeutic Implications."
65. Invited Lecturer, Carolinas Medical Center Department of Medicine, June 7, 1996: "A Research Center for ALS."
70. Invited symposium, "The Best of Johns Hopkins in Bangkok," February 27-28, 1997, on the occasion of the 25<sup>th</sup> anniversary celebration of Bangkok General Hospital, Bangkok, Thailand. Invited lecture entitled "The New Menu of Treatments for Neuromuscular Diseases."

71. Invited Faculty, American Academy of Neurology course entitled, "Clinical Neuroimmunology," Boston MA, April 18, 1997: "Practical Approach to Immune Mediated Muscle Disorders: Polymyositis, Dermatomyositis, Inclusion Body Myopathy," and "Zidovudine Myopathy."
73. Invited lecture, Myasthenia Gravis Foundation, Washington DC, March 21, 1998: "Future Experimental and Current Treatment of Myasthenia Gravis."
76. 11<sup>th</sup> Annual John H. Kendig Neuroscience Lecture, St. Johns Mercy Medical Center, St. Louis, MO, July 29, 1998: "Immune Mediated Muscle Disease."
77. Visiting Professor, Medical University of South Carolina, September 24-25, 1998: "Preclinical Development of Neurotrophic Factors for ALS."
78. Visiting Professor, University of North Carolina, November 4-5, 1998: "Preclinical Development of Novel Neurotrophic Factors for Motor Neuron Disorders."
79. Visiting Professor, Emory University School of Medicine, January 14-15, 1999: "Pathogenesis and Current Immunotherapy of Immune-mediated myopathies."
80. Invited Faculty, American Academy of Neurology course entitled, "Muscle Biopsy," Minneapolis, MN, April 18, 1999.
81. Invited Faculty, American Academy of Neurology course entitled, "Clinical Neuroimmunology," Minneapolis, MN, April 19, 1999: "Immune Mediated Muscle Diseases: Polymyositis, Dermatomyositis, Inclusion Body Myositis."
82. Invited Faculty, American Academy of Neurology course entitled, "Clinical Neuroimmunology," Minneapolis, MN, April 19, 1999: "What's the Scoop?: Human Adjuvant Diseases - Silicone Implants and Bovine Collagen Implants."
86. Invited Lecture, Johns Hopkins Neurology Resident Lecture Series, May 13, 1999: "How to Publish a Paper and Interact with Journals."
87. Invited Professor, Course for Italian Neurology Residents, The Agarini Foundation, Orvieto, Italy, June 28-30, 2000: "Motor Neuron Diseases: Preclinical Drug Development of Novel Neurotrophic Neuroprotectants."
88. Invited Faculty, American Academy of Neurology course entitled, "Clinical Neuroimmunology," San Diego, CA, May 5, 2000: "Immune Mediated Muscle Diseases: Polymyositis, Dermatomyositis, Inclusion Body Myositis."
89. Invited Faculty, American Academy of Neurology course entitled, "Clinical Neuroimmunology," San Diego, CA, May 5, 2000: "What's the Scoop?: Novel Hypotheses for Inclusion Body Myositis."
90. Organizer of Satellite Session, American Council on Education Fellows Mid-Year Seminar, Claremont Colleges, CA, January 5, 2001: "Best Practices in Consortia."
91. Invited Lecturer, Bryn Mawr College Center for Visual Culture, April 25, 2001: "Visual Icons in Medicine: from the Smith Papyrus to Lou Gehrig."
92. Invited Lecturer, Bryn Mawr College Department of Chemistry Colloquium Series, September 20, 2002: "Preclinical Development of Novel Neurotrophic Factors That Have Potential in Lou Gehrig's Disease."

93. Invited Lecturer, Bryn Mawr College Neuroscience Seminar, February 12, 2003: "Neurobiology of Motor Neuron Diseases."
94. Invited Presentation, Consortium on Finance in Higher Education, April 28, 2003: "Revisiting the Relevance of Liberal Arts in the Context of Assessment and Pre-Professional Preparation."
95. Invited Presentation, the Annapolis Group, annual meeting, June 16, 2003: "Assessment of Faculty Performance."
96. Invited Plenary Sessions Speaker and Moderator, Reinvention Center Conference on "Integrating Research into Undergraduate Education: The Value Added," Washington DC, November 18-19, 2004: "Incorporating Principles of Learning into Undergraduate Education."
97. Invited Lecture and Workshop, Academic Impressions Conference on "Recruiting and Hiring Senior Executives and Presidents," June 8, 2005; and September 26, 2005: "Writing a Position Statement That Stands Out From the Competition."
98. Invited Panel Presentation, Franklin Inn and Cosmopolitan Club, on "Women and Science," June 17, 2005: "Biological Differences, Ways of Learning, and Participation in Science."
99. Invited Lecture, Bryn Mawr College Postbaccalaureate Premedical Program, September 8, 2005: "The Era of Evidence-based Medicine."
100. Invited Seminar, Bryn Mawr College Center for Science in Society, December 2, 2005: "Ethical Concerns in Drug Development and Big Pharmacy's Partnerships with Academia."
101. Invited Symposium Panel, Center for Child and Family Well-being, Bryn Mawr, PA, Conference on Child and Adolescent Health: Vulnerability and Resilience, April 7, 2006: "A Neurologist's Reading of the Movie, *Let Him Have It*: Stereotype Threat and Perceived But Erroneous Links Between Epilepsy, Delinquency, and Low Intelligence in Societal and Media Representations."
102. Invited Panel Presentation, Consortium on Finance in Higher Education, Stanford University, April 20, 2006: "Assessment and Accountability: the National Survey of Student Engagement vs the COFHE Enrolled Student Survey and Other Surveys as Measures of Outcomes - Are They Valid?"
109. Invited Lecture, Center for Electronic and Imaging Sciences University Technology Showcase, February 13, 2008: "Technology Transfer at Research Universities: Directions for the Future."
113. National Annual Meeting, Rochester Industrial Associates, March 31, 2008: "Technology Transfer at Research Universities: Directions for the Future."
114. Keynote Presentation, American Association for the History of Medicine, April 11, 2008: "On the History of Medicine at Rochester and Hopkins."
115. Invited Lecture, Rochester Intellectual Property Law Associates, June 4, 2008: "University of Rochester and Its Future: Academic Strategic Plans and Campus Master Plan."
116. Invited Lecture, Genesee Graduate Chapter, Alpha Delta Phi, June 11, 2008: "University of Rochester and Its Future: Strategic Planning, Technology Transfer/Commercialization, and Campus Master Plan."
117. Invited Moderator and Speaker, Biogen Idec Forum on Technology Transfer, June 16, 2008: "Structure, Metrics, Results, and Challenges in Technology Commercialization."

118. Invited Speaker and Facilitator, five working sessions of chief academic officers and chief financial officers, for ACE- and NACUBO-sponsored three-day workshop, Washington DC, August 13-15, 2008: "CAO and CFO Collaboration: Building a More Effective Partnership."
119. Invited Panelist, national conference of the Reinvention Center, "Education, Innovation, and Discovery: The Distinctive Promise of the American Research University," Washington DC, November 13, 2008: plenary session on "General Education at the Research University in the 21<sup>st</sup> Century: Innovative Alternatives to the Four-Year Liberal Arts College Model."
120. Invited Workshop Leader, national conference of the Reinvention Center, "Education, Innovation, and Discovery: The Distinctive Promise of the American Research University," Washington DC, November 13, 2008: breakout session on "Student-Driven Approaches to General Education."
125. Plenary Session Panelist and Session Leader for the joint national conference of the American Council on Education and the National Association of College and University Business Officers, Washington, DC, July 29-31, 2009.
128. Keynote Address, Festival of the Eastman Rochester Organ Initiative, Christ Church, Rochester, NY, October 29, 2009: "Felix Mendelssohn, the Contrapuntal Tradition and EROI."
132. Invited Lecture, Harley School course on Hospice, January 14, 2010: "ALS and Hospice."
144. Invited Address, The Rochester Forum, June 15, 2010: "Key University Initiatives."
145. Invited Remarks and presentation of the Susan B. Anthony Promise Award, Ladies Professional Golf Association Tournament, June 23, 2010: "Conversation with Champions."
150. Invited Panelist, with the President of Penn State University and the Provost of University of Albany, to the Stony Brook University General Education Panel Envisioning the Strategic Plan, "50 Forward": "Creative Alternatives to Menu-Based General Education Distribution Requirements: Student-Driven Cluster Systems."
153. Invited Lecture, Neuromuscular Conference, University of Western Ontario (Canada), November 13, 2010: "Drug-Induced Myopathies."
158. Rochester Technology Forum, Paetec Park, June 15, 2011: "Key Technology Initiatives."
159. Boston Technology Forum, Battery Ventures, Waltham, MA, June 20, 2011: "Key Technology Initiatives of the University of Rochester."
160. Invited Lecture, Novartis Oncology Advisory Board, on LDE225, Boston MA, September 15, 2011: "Drug-Induced Myotoxicity."
161. Invited Lecture, Novartis Pharmaceuticals, Florham Park, NJ, March 29, 2012: "Muscle Biopsies in Clinical Toxicology Studies."

*Selected Invited Lectures, Courses, and Conferences Internal to the University of Rochester (see also above with unique consecutive number)*

103. Invited Workshop on diversity, UR Cabinet, August 25, 2007, Niagara on the Lake: "Diversity definitions, assessment, and commitment."
104. Inauguration Address to the University Community, University of Rochester, October 10, 2007: "Meliora: I See Better Things Ahead." DSpace Researcher Page <http://hdl.handle.net/1802/4876>
105. Lecture, New and Early Career Faculty Orientation Program, UR, October 26, 2007: "Process and perspectives on Promotion and Tenure."
106. Invited Workshop on planning for university administration and finance group, University of Rochester, November 13, 2007: "The World Is Flat Again: Envisioning the Landscape of the 21<sup>st</sup> Century University."
107. Invited Lecture, Phelps Colloquium Series, University of Rochester, November 27, 2007: "Back to the Future 1938: How Would Lou Gehrig Be Treated in 2008?"
108. Half-day workshop, University of Rochester New Faculty Orientation, January 25, 2008: "Diversity and Inclusiveness in Pedagogy."
110. Invited Lecture, University of Rochester Medical Center Administrators Group, February 20, 2008: "The University of the Future."
111. Invited Lecture, University Management Team, February 21, 2008: "University Council on Sustainability."
112. Invited Presentation, UR Board of Trustees, March 12, 2008: "University Academic Trends: Multidisciplinary Scholarship and Environmental Sustainability."
121. Workshop leader, University of Rochester New and Early Career Faculty, January, 16, 2009: "How Do People Learn?"
122. Invited Presentation, University of Rochester Research Subjects Review Boards, All-Boards Annual Meeting, April 28, 2009: "Performance Improvement in Peer Review, Laying the Foundation for Reformation of RSRB."
123. Invited Lecture, University of Rochester Faculty Senate, State of the Faculty Address, May 12, 2009: "Faculty Compensation, Faculty Achievements, and Technology Transfer and Multidisciplinary Scholarship."
124. Keynote Address, Phi Beta Kappa Iota Chapter Ceremony, May 16, 2009: "The Enduring Key."
126. Invited Lecture and Seminar, University of Rochester course in Education 580, Foundations of Health Professions Education (interdisciplinary course offered between faculty in School of Medicine and Dentistry, School of Nursing, and Warner School of Education), October 19, 2009: "How People Learn: New Insights into the Psychology of Learning."
127. Invited Lecture and Seminar, University of Rochester School of Medicine and Dentistry, "Dean's Teaching Fellowship Program" (a faculty development program), October 28, 2009: "How People Learn: New Insights into the Psychology of Learning."

129. Invited Lecture and Seminar, University of Rochester course in Education 436, Overview of Higher Education: How Universities Work, Warner School of Education, November 11, 2009: “Academic and Financial Leadership Roles and Their Interaction in a Research University: CAOs Are from Venus, CFOs Are from Mars.”
130. Invited Lecture, “F.I.R.E. For Inventors, Researchers, and Entrepreneurs” series in the entrepreneurship program of the University of Rochester, December 8, 2009: “Fact of Fiction: Top-Ten Quiz about Tech Transfer.”
131. Invited Presentation, University of Rochester Research Subjects Review Boards, All-Boards Annual Meeting, December 18, 2009: “A Vision for Research.”
133. Invited Presentation, New and Early Career Faculty Workshop, University of Rochester, January 15, 2010: “How People Learn: New Insights into the Psychology of Learning.”
134. Invited Lecture, University of Rochester New and Early Career Faculty, January 15, 2010: “How People Learn: New Insights into the Psychology of Learning.”
135. Invited Presentations, University of Rochester Human Resources Department (recurrent, several times per year, 2010-2011): “Shared Governance, Following the Money in a Decentralized University, and Guiding Principles for University Leaders.”
136. Invited Presentation, University of Rochester Alumni Business Luncheon Series, Genesee Valley Club, March 4, 2010: “Inspiring Innovation: Technology Transfer.”
137. Invited Presentation, University of Rochester Board of Trustees Retreat, March 11, 2010: “Building the Pipeline for Licensing New Ventures at the UR.”
138. Invited Presentation, Laboratory for Laser Energetics Seminar Series, March 19, 2010: “Technology Transfer: Fact or Fiction in the Post Bayh-Dole Era.”
139. Invited Lecture, University of Rochester Faculty Senate, State of the Faculty Address, April 6, 2010: “Advancing the Research Enterprise of a Great University.”
140. Special Invited Lecture, University of Rochester Board of Trustees, May 14, 2010: “Advancing the Research Enterprise of a Great University.”
141. Address, Phi Beta Kappa Chapter, University of Rochester, May 15, 2010: “On the Nature of Taking Credit for Honors.”
142. Opening address, IBM/University of Rochester symposium on the Health Sciences Center for Computational Innovation, Jay 20, 2010: “The Value Proposition of Collaborative Research.”
143. Opening address, American Council on Education/University of Rochester workshop, “Leading Your Department into the Future,” June 9, 2010: “Framing the Agenda.”
146. Keynote Address, Medical Scientist Training Program, Annual Retreat, University of Rochester, August 5, 2010: “The World in Which You Will Live as Physician Scholars.”
147. Invited Lecture, Rochester Early Medical Scholars Program, University of Rochester, September 15, 2010: “Your New Identity in a Future Era of Evidence-Based Medicine.”

148. Invited Remarks, Emeriti Faculty Celebration, University of Rochester, September 19, 2010: “The University of Rochester Strategic Plan and Campaign Goals.”
149. Invited Remarks, Annual Meeting of the University of Rochester Press Editorial Board, October 4, 2010; “The Enduring Value of a Scholarly Press Despite the Great Recession and Transition in the Industry.”
151. Invited Address, UR Year One Program, University of Rochester Faculty, October 22, 2010: “Keys to Promotion and Tenure.”
154. Invited Lecture, University of Rochester New and Early Career Faculty, January 14, 2011: “How People Learn: New Insights for Your Teaching Careers.”
155. Annual Keynote “State of the Faculty Address,” University of Rochester, January 18, 2011: “The Teaching Enterprise of a Great University.”
156. Invited Keynote Remarks, the Deans’ Teaching Fellows Program of the School of Medicine and Dentistry, University of Rochester, January 19, 2011: “Advice to Faculty on Creating and Mentoring Careers as Educators.”
157. Address to the University of Rochester Board of Trustees, May 12, 2011: “The Teaching Enterprise of a Great Research University.”
162. Address to the University of Rochester Board of Trustees, May 12, 2011: “Development and Proposal of a First-Ever University of Rochester Mission Statement.”
163. Address, Phi Beta Kappa Iota Chapter, University of Rochester, May 15, 2010: “Parents and Honors.”
164. University of Rochester Advancement Senior Staff Retreat, August 2, 2011: “The New Mission Statement and University Initiatives.”
165. Keynote address, Xerox Alumni Reception of the University of Rochester, October 6, 2011: “The Future of the University.”
166. Course presentation, University of Rochester New Chair Leadership Conversation, November 9, 2011: “Faculty Careers: Managing Time, Balancing Responsibilities in a New Leadership Role.”
167. Invited Lecture, Rochester Early Medical Scholars (REMS program), November 16, 2011: “Your New Identity in a Future Era of Evidence-Based Medicine.”
168. Lecture and Discussion, UR Year One Program, January 20, 2012: “Considering Your Teaching Survey Returns: Is It Giving Great Lectures? Is It Facilitating Great Discussions? Is There Evidence for Specific Pedagogies? And Is There Support at UR?”
169. Breakfast Program Presentation, Rochester Alumni of Color Group, January 25, 2012: “A Personal Approach to Diversity and Cultural Competence.”
170. Invited Presentation, University Management Team Meeting, January 25, 2012: “International Initiatives and the New Web Portal – *UR Global*.”
171. Keynote presentation, Alumni Reunion Program, the Grammy Museum, Los Angeles, CA, March 10, 2012: “Learn, Discover, Heal, Create and Make the World Ever Better.”

172. Invited Presentation, Rochester Board of Trustees Retreat, March 15, 2012: "The Situation Today: Overview of Our Strategic Engagement Outside Rochester."
173. Invited Lecture, UR Faculty Senate Meeting, State of the Faculty Address, May 8, 2012: "Faculty of the Future – Thoughts on the Challenges and Opportunities Ahead."
174. Invited Presentation, Phi Beta Kappa Iota Chapter Ceremony, May 19, 2012: "First Jobs, Second Jobs, and the Metaphor of Antonio Vivaldi."

***Media Presentations, Appearances, and Interviews; Federal Panel Appearances***

1. Invited Guest Speaker, talk show entitled, "Focus on Your Health," radio station WGAY 99.5, Washington, DC, February 9, 1992: "Myasthenia Gravis."
2. Invited discussant, Office of Communications and Public Affairs, Series on Communicating Science to the Public and Media, June 20, 1995: "Pre-publication Release of Information."
3. WBAL-TV11 News appearance, August 22, 1995: Cal Ripken and ALS.
4. WBFF-TV45 News appearance, August 22, 1995: Cal Ripken and ALS.
5. CBS Network, live national interview by Jane Robelot, "This Morning," August 23, 1995: Interview regarding Cal Ripken's impending eclipse of Lou Gehrig's Iron Man record, ALS, and our fund-raising effort for ALS research.
6. WJZ-TV13 and live, nationally televised nightly news, September 6, 1995: Check presentation of \$2M by Cal Ripken and the Baltimore Orioles to Ralph Kuncel for the newly established Cal Ripken/Lou Gehrig Fund for Neuromuscular Research at Johns Hopkins University.
7. Food and Drug Administration, Center for Drug Evaluation and Research; Peripheral and Central Nervous System Advisory Committee, May 8, 1997 (re: Myotrophin).
8. Maryland Public TV, live interview on "Newsnight Maryland," July 30, 1999: Research advances in ALS.
9. Fox-5 TV, taped interview, April 23, 2001: Current issues in research on amyotrophic lateral sclerosis and the establishment of the Gail Rupertus Foundation for Neuromuscular Research.
10. *Democrat and Chronicle* (Rochester newspaper), multiple interviews, October – December, 2009: American Recovery and Reinvestment Act, University of Rochester and regional funding.
11. WXXI radio, interview by Peter Iglinski, November 18, 2009: American Recovery and Reinvestment Act funding.
12. *Rochester Business Journal*, November 20, 2009: AAUP Faculty Salary Data comparisons.
13. *Democrat & Chronicle*, Jim Goodman, reporter, December 21, 2009: American Recovery and Reinvestment Act.

14. *Technology Transfer Tactics*, Caralyn Davis, writer and editor, February 25, 2010: Strategic positions in technology transfer policy.
15. *The Chronicle of Higher Education*, Katie Masterson, reporter, July 1, 2010: The economy's effect on retirement plans of current faculty.
16. *Rochester Business Journal*, Nate Dougherty, reporter, November 2, 2010: Gender equity in faculty salaries.
17. *Rochester Business Journal*, Nate Dougherty, reporter, December 23, 2010: Trends in the Thomson Reuters Web of Science *Global Research Report* of November 2010 on science citation trends in the face of declining US impact overall: "UR receives high mark in scientific influence: the university ranks among the top 20 research institutions."
18. WROC TV, Rochester, NY, February 16, 2011: The Wolf Prize in Chemistry for Professor Ching Tang, for the invention of organic LEDs.

## APPENDIX A

### HISTORY OF GRANT SUPPORT – Higher Education

#### Major Funded Grants as Responsible Author or Contributor

National Science Foundation, 2002 (with Wendy Katkin, PI, Reinvention Center)

National Advisory Group, NSF Grant: **Supplement of the Conference on “Undergraduate Research and Scholarship and the Mission of the Research University,”** November 13-15, 2002

National Science Foundation, 2003 (Advisor, in collaboration with Reinvention Center)

Reinvention Center’s **Math/Biology Survey and Dissemination Grant** to NSF, in collaboration with MAA, AAAS, and ASM

The Andrew W. Mellon Foundation, 2003 (Principal author, with Dr. Suzanne Spain)

**Faculty Bridge Support in the Humanities;** \$570,000 (Bryn Mawr College)

National Institute for Technology and Liberal Education, 2003 (Principal author)

**Guidelines for the Evaluation of Web-Based Scholarship: a Collaboration Between the Tri-College Consortium, NITLE, and the Mellon Foundation;** \$5,000 (Swarthmore, Haverford, and Bryn Mawr Colleges)

Howard Hughes Medical Institute, 2003 (Responsible author, with science department team)

**Undergraduate Science Education Program;** \$1,598,468 (Bryn Mawr College)

The Andrew W. Mellon Foundation, 2005 (Co-authored by Connie Hungerford, Swarthmore College; David Dawson, Haverford College; and Ralph Kuncl, Bryn Mawr College)

**A New Age of Tri-College Collaboration;** \$2,000,000

IBM, 2008 (Leader, Responsible Author, and Institutional PI)

Shared University Research Grant: **Health Sciences Center for Computational Innovation;** \$3,200,000 (University of Rochester)

## HISTORY OF GRANT SUPPORT – Neuroscience

USPHS 5TO5GM 01939 (Frank Fitch, PI)

### **Medical Scientist Training Program**

Total Period: 7/1/70-6/30/77

Direct Cost: \$52,899 (7 years)

Effort: 100%

Muscular Dystrophy Association (RW Kuncl, PI)

### **Phospholipid Transmethylation of Skeletal Muscle**

Total Period: 7/1/81-3/31/83

Direct Cost: \$38,000 (2 years)

Effort: 100%

NIH 5KO7 NS00734 (TIDA) (RW Kuncl, PI)

### **Normal and Abnormal Muscle**

Total Period: 4/1/83-3/31/88

Direct Cost: \$202,250 (5 years)

Effort: 70% Research

30% Clinical and Teaching

Muscular Dystrophy Association (RW Kuncl, PI)

### **Reducing AChR Endocytosis: A New Therapeutic Approach in Myasthenia Gravis**

Total Period: 7/1/87 - 6/30/89

Direct Cost: \$57,294 (2 years)

Effort: (no salary)

NIH R01 (A. Pestronk, PI)

### **Aging and the Neuronal Cytoskeleton**

Total Period: 8/1/88 - 7/31/91

Direct Cost: \$277,217 (3 years)

Effort: 10% (ended 9/1/89)

NIH R01 (A. Pestronk, PI)

### **Antiganglioside Antibodies in Motor Neuron Disorders**

Total Period: 12/1/88 - 11/30/90

Direct Cost: \$133,773 (2 years)

Effort: 10% (ended 9/1/89)

Johns Hopkins University (RW Kuncl, PI)

### **Andrew Mellon Foundation Clinician Scientist Award**

Total Period: 4/1/88 - 3/31/90

Direct Cost: \$50,000 (2 years)

Effort: 25%

Sandoz Pharmaceuticals and Muscular Dystrophy Association (R.W. Kuncl, PI)

### **A Multicenter Double-Blind Clinical Trial to Assess the Safety and Efficacy of Cyclosporine in the Treatment of Myasthenia Gravis**

Total Period: 7/1/87 - 12/31/90

Direct Cost: \$25,560

Effort: 5%

Muscular Dystrophy Association (D.B. Drachman, PI)

**Trial of Total Lymphoid Irradiation in the Treatment of Amyotrophic Lateral Sclerosis**

Total Period: 1/1/89-12/31/91

Direct Cost: \$244,151 (2 years)

Effort: 10% (no salary)

NIH R01 NS26455 (R.W. Kuncl, PI)

**Novel Therapy of Myasthenia by Reducing AChR Endocytosis**

Total Period: 9/25/88 - 8/31/92

Direct Cost: \$318,812 (4 years)

Effort: 45%

Muscular Dystrophy Association (D.B. Drachman, PI)

**Treatment of ALS: Immunosuppression with IV plus oral cyclophosphamide**

Total Period: 1/1/89 - 12/31/92

Direct Cost: \$194,622 (3 years)

Effort: 10% (no salary)

NIH Research Center (R.T. Johnson, PI)

**Research Centers for AIDS Dementia and Other Retrovirus Associated Neurological Disorders**

Project I: Clinical Studies of the Neurologic Manifestations of HIV Infection.

Total Period: 7/1/88 - 6/30/93

Direct Cost: \$8,522,536 (5 years)

Effort: 5-10%

Muscular Dystrophy Association (J. D. Rothstein and R. W. Kuncl, co-PI)

**Excitatory Amino Acid Metabolism in ALS**

Total Period: 7/1/90 - 6/30/93

Direct Cost: \$60,292 (1st year) (\$165,722 for 3 years)

Effort: 10% (no salary)

Regeneron Pharmaceuticals, Inc. (R. W. Kuncl, PI)

**Protocol A-9203: Measurement of Muscle Strength and Abilities to Perform Activities of Daily Living in Patients with Amyotrophic Lateral Sclerosis**

Total Period: 10/1/92 - 4/30/93

Direct Cost: \$20,000

Effort: 5%

Wyeth-Ayerst Research (C. Saudek, PI)

**A Double-blind, placebo-controlled, randomized study of the effects of Tolrestat on peripheral nerve morphology and biochemistry in patients with diabetic peripheral sensorimotor neuropathy (surgery section)**

Total Period: 7/1/91 - 6/30/93

Direct Cost: \$10,000

Effort: 5%

NINDS - RO1 NS30086 (RW Kuncl, PI)

**Pathophysiology of Glutamate in ALS**

Total Period: 2/1/92 - 1/31/95

Direct Cost: \$103,192 (1st year) (\$ 335,090 for 3 years)

Effort: 30%

Regeneron Pharmaceuticals, Inc. (R. W. Kuncl, PI)

**Protocol A-9202: A Phase II-III Prospective, Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging and Efficacy Study of Recombinant Human Ciliary Neurotrophic Factor (rHCNTF) in Patients with Amyotrophic Lateral Sclerosis**

Total Period: 5/1/93 - 12/31/94

Direct Cost: \$101,000

Effort: 10%

National Institute of Environmental Health Science - RO1 ES05750 (RW Kuncl, PI)

**Mechanisms of AZT-Induced Myopathy**

Total Period: 7/1/91 - 3/31/96

Direct Cost: \$137,474 (1st year) (\$522,472 for 5 years)

Effort: 35%

Cephalon, Inc. (JD Rothstein and RW Kuncl, co-PIs)

**Studies of Calpain Inhibitors, Spectrin Antibodies, and IGF in Organotypic Spinal Cord**

Direct Cost: \$23,000

Total Period: unstated

Effort: N/A

Amgen, Inc. (JD Rothstein and RW Kuncl, co-PIs)

**Studies of BDNF, NT3, LIF in Organotypic Spinal Cord**

Direct Cost: \$15,683

Total Period: unstated

Effort: N/A

Rhone-Poulenc Rorer Pharmaceuticals, Inc. (JD Rothstein, PI)

**Multinational, Double Blind, Placebo-Controlled, Parallel Group, Dose-Ranging Study on Efficacy and Safety of Riluzole Tablets in Amyotrophic Lateral Sclerosis (ALS) Patients**

Direct Cost: \$170,000

Total Period: 9/1/93-6/30/95

Effort: N/A

NINDS-Training Grant (D.B. Drachman, PI)

**Training in Neuromuscular Disease**

Total period: 12/1/93 - 11/30/98

Direct Cost: \$112,042 (1st year) (\$997,326 for 5 years)

Effort: N/A

Muscular Dystrophy Association (JD Rothstein and RW Kuncl, co-PIs)

**ALS: A Model of Chronic Excitatory Motor Neuron Toxicity to Investigate Neuroprotective Strategies**

Direct Cost: \$214,370 (3 years)

Total Period: 7/1/93 - 6/30/96

Effort: N/A

NINDS-CIDA (AM Corse, PI; RW Kuncl, Sponsor)

**Trophic Factors in Chronic Motor Neuron Degeneration**

Direct Cost: \$402,500 (5 years)

Total Period: 4/1/94-3/31/99

Effort: N/A

NINDS - RO1 (JD Rothstein, PI)

**Glutamate Transporters and Chronic Neuronal Toxicity**

Direct Cost: \$195,416 (\$723,020 for 4 years)

Total Period: 5/1/95 - 4/30/99

Effort: 5%

NIA-PO1 Program Project (RH Brown, PI)

**Superoxide Dismutase in Aging and Neurodegeneration**

Direct Cost: \$562,556 (\$3,500,000 for 5 years)

Project II \$148,383 (\$698,820 for 5 years)

Total Period: 4/1/95 - 3/31/00

Effort: 10%

NINDS - RO1 (RW Kuncl, PI)

**Protective Trophic Factors in Motor Neuron Degeneration**

Direct Cost: \$157,570 (\$614,400 for 5 years)

Total Period: 5/1/95 - 2/28/00

Effort: 35%

Muscular Dystrophy Association (RW Kuncl, PI)

**Potent Neuroprotection of Motor Neurons by PEDF**

Direct Cost: \$60,000 (\$180,000 for 3 years)

Total Period: 7/1/98 - 6/30/01

Effort: N/A

Arena Pharmaceuticals, Inc.

**GPCR's and Motor Neurons**

Direct Cost: \$30,000

Total Period: 7/1/01 - 6/30/02

Effort: N/A

Muscular Dystrophy Association (RW Kuncl, PI)

**Bringing PEDF Towards Clinical Trials in ALS**

Direct Cost: \$75,000 (\$150,000 for 2 years)

Total Period: 7/1/01 - 12/30/03

Effort: 10% (Collaborators: Fred Gage, Salk Institute; Terry Heiman-Patterson, Drexel University School of Medicine)

## APPENDIX B

### TRAINEES

#### TRAINEES MENTORED AS JUNIOR FACULTY:

<u>Name</u>	<u>Dates Trained</u>	<u>Highest Academic Position Attained</u>
Andrea Corse, MD	1992-1995	Director, Neuromuscular Clinical Laboratory, Johns Hopkins University and Associate Professor of Neurology
Jeffrey D. Rothstein, MD,PhD	1993-1996	Professor of Neurology and Director, Brain Science Institute, Johns Hopkins University
Gary Romano, MD,PhD	1997-1999	Senior Director and Head, Neuroscience Biomarkers, Johnson & Johnson Pharmaceutical Research & Development
Kathryn R. Wagner, MD,PhD	1999-2002	Director, Center for Genetics and Muscle Disease, Kennedy Krieger Center, Johns Hopkins University and Associate Professor of Neurology

#### HIGHER EDUCATION FELLOWS MENTORED THROUGH THE AMERICAN COUNCIL ON EDUCATION FELLOWSHIP PROGRAM:

Lorrie Clemo, PhD	2008-2009	State University of New York at Oswego (home); University of Rochester (host); currently, Provost and Vice President for Academic Affairs
Julie Buehler, MBA	2010-2011	University of Rochester (home); Rochester Institute of Technology (host); currently Deputy Chief Information Officer, University of Rochester)
Andreas Savakis, PhD	2011-2012	Rochester Institute of Technology (home); University of Rochester (host); currently Head of Computer Technology, RIT)

## CLINICAL POSTDOCTORAL FELLOWS TRAINED:

<u>Name</u>	<u>Dates Trained</u>	<u>Highest Academic Position Attained</u>
Woon-Chee Yee, MD	(7/1/81-4/30/86)	Prof. of Neurology, Singapore Inst of Neuroscience
Emanuel Rechthand, MD	(7/1/82-6/30/83)	Senior Staff Fellow, NIH
Betty Mintz, MD	(7/1/83-6/30/84)	Asst. Prof. Neurology, Mt. Sinai Sch. of Med., NY
Danny Watson, MD, PhD	(7/1/84-6/30/85)	Assoc. Prof. Neurology, Wayne State University
Kathy Alderson, MD	(7/1/85-6/30/88)	Asst. Prof. Neurology, Univ. Utah, VAMC
Shari deSilva, MD	(4/1/86-6/30/88)	Asst. Prof. Neurology, George Washington U., DC
Orlando Avila, MD	(7/1/86-6/30/90)	Senior Neuromuscular Fellow, Johns Hopkins Univ.
Vinay Chaudhry, MD	(7/1/87-6/30/88)	Professor and Vice Chair Neurology, Johns Hopkins
Paul V. Tuttle, MD	(7/1/88-6/30/89)	Neuromuscular Fellow, Johns Hopkins University
Miriam Freimer, MD	(7/1/89-6/30/90)	Assoc. Prof. Neurology, Ohio State University
Johannes Reim, MD	(7/1/89-6/30/90)	Research Fellow, Neuromuscular, Johns Hopkins U
V. Vedanarayanan, MD	(7/1/90-6/30/91)	Prof. Peds, Neurology, & Pathology, Univ Mississippi
Andrea M. Corse, MD	(7/1/91-6/30/92)	Assoc. Prof. Neurology and Director Neuromuscular Clinical Laboratory, Johns Hopkins University
Richard O'Brien, MD	(7/1/92-12/30/93)	Assoc. Prof. Neurology, Johns Hopkins University
Jeffrey Rothstein, MD, PhD	(1/1/93-6/30/93)	Prof. Neurology, and Director of the Brain Science Institute, Johns Hopkins University
Andrew S. Blum, MD, PhD	(7/1/93-6/30/94)	Asst. Prof. Clinical Neuroscience, Brown University
Kevin M. Flanigan, MD	(7/1/94-6/30/95)	Prof. Neurology, Ohio State University
Susan Evans, MD	(7/1/95-6/30/96)	Neuromuscular Fellow, Johns Hopkins University
Charles Abrams, MD, PhD	(7/1/96-6/30/97)	Director, Neuromuscular Division, Asst. Prof. Neurology, SUNY Downstate Med Ctr
Jennifer York, MD	(7/1/97-6/30/98)	Electrophysiology Fellow, Univ. North Carolina
Nicholas J. Maragakis MD	(7/1/98-6/30/99)	Assoc. Prof. Neurology, Johns Hopkins University
Kathryn R. Wagner MD, PhD	(7/1/98-6/30/99)	Director, Center for Genetics and Muscle Disease, Kennedy Krieger Center; Assoc. Prof. Neurology, Johns Hopkins University
Thurman Wheeler MD	(7/1/99-6/30/00)	Asst. Prof. Neurology, University of Rochester
Charlotte J. Sumner MD	(7/1/00-6/30/01)	Asst. Prof. Neurology, Johns Hopkins University

## POSTDOCTORAL RESEARCH FELLOWS TRAINED:

Andrea M. Corse, MD	(7/1/92-6/30/93)	Assoc. Prof. Neurology, Johns Hopkins University
Masako M. Bilak, PhD	(12/1/96-5/30/02)	Research Associate, Johns Hopkins University
Stephan R. Bilak, PhD	(12/15/98-6/21/00)	Postdoctoral Research Fellow, Johns Hopkins Univ.

## NEUROLOGY RESIDENT RESEARCH TRAINEES:

Jeffrey Rothstein, MD, PhD	(1988-1989)	Prof. Neurology, and Director of the Brain Science Institute, Johns Hopkins Univ. (winner, Jay Slotkin Award for Excellence in Research, 1989)
Muhammed Al-Lozi, MD	(1990)	Prof. Neurology, Washington Univ. St. Louis (Preziosi Award for Clinical Excellence, 1990)
Sarah DeRossett, MD, PhD	(1991)	Assoc. Prof. Neurology, Emory University (winner, Jay Slotkin Award for Excellence in Research, 1991)

**UNDERGRADUATE, MEDICAL STUDENT, and other POSTGRADUATE RESEARCH TRAINEES:**

<u>Name</u>	<u>Dates Trained</u>	<u>Highest Academic Position Attained</u>
Greg Duncan, MD	(1986-1987)	Medical student; Chief Res. in Orthopedics, UCLA Sch. of Med.
Winston Wiggins	(1986-1990)	Post graduate; Director, EM Lab, King Abdul Azziz Univ., Saudi Arabia; Director Electron Microscopy, Cedars Sinai Hosp
Ilan Wittstein, MD	(1989-1990)	Medical student; Asst. Prof. Medicine (Cardiology), Johns Hopkins Univ. (winner, Henry Strong Dennison Scholarship for medical student research)
Mohamed Lehar, MD	(1990-2000)	Research Associate, Johns Hopkins Univ.
Raymond Chang	(1990, 1991)	Undergraduate; became President Institute of East-West Medicine, NY
Benjamin White	(1991)	Undergraduate; became resident, Johns Hopkins Univ.
Scott E. Eggener	(1992)	Undergraduate (project earned honors in Biology, Univ. Ill. Urbana-Champaign); became Asst. Prof. Surgery/Urology, University of Chicago and Co-Director of Urologic Oncology Fellowship Program
David Wu	(1993)	Medical student, Johns Hopkins Univ.
Rebecca Meyer	(1997-1998)	High school student; became combined BA-MD student, Univ. Pittsburgh
David A. Shifrin	(1999)	Undergraduate, University of Illinois; became medical student, Loyola University School of Medicine; surgery resident, Michigan State University; Fellow, reconstructive microsurgery, Univ. Wisconsin; private practice, Chicago
John Kim	(1999-2000)	Undergraduate, Johns Hopkins Univ.
Brian Moss	(2000)	Undergraduate, University of Illinois; became medical student Chicago School of Osteopathic Medicine
David Ibrahim	(2001)	Undergraduate, Johns Hopkins Univ.
David Kotlyar	(2002)	Undergraduate, Johns Hopkins Univ; medical student and resident, Univ of Pennsylvania
Eric Wisch	(2009-2010)	Undergraduate, Univ. of Rochester; Kauffman Entrepreneurial Year