

**Ralph W. Kuncel PhD, MD**

213 Wallis Hall, University of Rochester, Rochester, NY 14627

Tel: (585) 275-5931 • Email: ralph.kuncel@rochester.edu • Fax: (585) 276-2500

<http://www.rochester.edu/provost/>**CURRENT POSITION:**

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

**FORMER POSITIONS:**

Adjunct Professor of Neurology, Univ. Pennsylvania School of Medicine (2002 - 2007)

Provost, Professor of Biology, Bryn Mawr College (2002 - 2007)

Vice Provost, Johns Hopkins University, and Professor of Neurology Johns Hopkins School of Medicine (1983-2002)

**EDUCATION:**1970 **AB** Occidental College (magna cum laude)1975 **PhD** University of Chicago, Division of Biological Sciences (Experimental Pathology)1977 **MD** University of Chicago Pritzker School of Medicine1996 **Executive Medical Business Graduate Certificate**, Johns Hopkins Univ.**PROFESSIONAL TRAINING AND PREVIOUS ACADEMIC APPOINTMENTS:**1970-1980 **University of Chicago, Division of Biological Sciences:** Fellow, Medical Scientist Training Program (1970-77); Teaching Assistant, Cellular Pathology (1974); Resident, Departments of Medicine and Neurology (1977-80)1976 **Institute of Neurology, National Hospital at Queen Square, London:** Postgraduate Course1980-1983 **Johns Hopkins University Department of Neurology:** Clinical and Research Fellow in Neuromuscular Diseases1983-2002 **The Johns Hopkins University School of Medicine:** Assistant Professor of Neurology (1983-88); Associate Professor of Neurology (1989-95); Professor of Neurology (1996), Pathology (1999), and the Graduate Program in Cellular and Molecular Medicine (1996)1998-2001 **Director, Neuromuscular Laboratory**, Johns Hopkins University School of Medicine2001-2002 **Vice Provost, Johns Hopkins University****LEADERSHIP and  
ADMINISTRATIVE EXPERIENCE**

**Vice Provost, Johns Hopkins University** (2001-2002). Established the first-ever provost-level portfolio for undergraduate education at the “first research university in America.” Conceived and led its Commission on Undergraduate Education in strategic re-envisioning for the next quarter century; responsible for leading the re-accreditation process thematically along the lines of: 1) raising the value of undergraduate education; 2) increasing the diversity of students and curriculum; 3) integrating the intellectual and social lives of undergraduates (the residential learning/living concept); 4) improving and rewarding undergraduate teaching,

especially TA training and assessment; 5) enhancing international dimensions of undergraduate education; and 6) advising and career support. Responsible overall for academic issues across the five schools that grant undergraduate degrees (Arts and Sciences; Engineering; Peabody Conservatory of Music; Nursing; and Professional Studies in Business and Education). Created and chaired undergraduate Enrollment Management Team.

**Provost, Professor of Biology, Bryn Mawr College** (2002 - 2007). Bryn Mawr is a miniature research university with an endowment of \$600 M and an annual budget of \$90 M. As CAO, responsible for the academic budget; received direct reports of deans and faculty in 2 graduate schools (including 9 PhD programs and a professional school of social work), and the undergraduate college; also oversaw a child development institute, experimental lab school, institutional research, and the nation's first and foremost post-baccalaureate premedical program. **Accomplishments: More than doubled federal research spending** while preserving academic programs, controlling academic expenditures, and decreasing the size of the central administration. **Tackled the elements of an academic structural deficit**, including faculty size, work load, course enrollments. **Focused on planning**, including creation of a transition plan for an enriched sabbatical leave policy, and a method for reassessment of the strategic plan as a process for regional re-accreditation. **Enriched faculty career development**, through increased incentives for junior faculty research, enhanced leadership development of faculty chairs, systematic retirement planning, and improved quality of emeritus life. **Supported new interdisciplinary programs** in Middle East/Islamic Studies, Geoarchaeology, and International Studies. **Created a partnership with Harvard University Press** to publish Bryn Mawr's distinguished Flexner Lectures. **Sponsored or coauthored multimillion dollar institutional grants applications, including a \$2-M endowment grant** to Mellon Foundation to create tri-college partnership supporting professorships in Arabic and Middle East/Islamic Studies at Bryn Mawr, Haverford, and Swarthmore Colleges. **Helped solve \$5-M budget deficit** through cost reductions, reduction in force, and private foundation grants. **Assessed the quality of all graduate programs.**

**Fundraising experience:** Created personally a dozen higher education funds at Johns Hopkins University and other named funds for nonprofit community groups, including the multimillion dollar Cal Ripken/Lou Gehrig Fund for Neuromuscular Diseases (encompassing development of prospects, solicitation of gifts, and stewardship). Engagement with major science donors in a \$225-M capital campaign at Bryn Mawr.

**American Council on Education Fellow at Johns Hopkins University** (2000-01) (the ACE Fellowship is the nation's premier leadership program in higher education): Engaged in a comprehensive assessment of how best to redesign undergraduate education in the confines of a strong and extremely decentralized research university.

**American Council on Education Fellow at Bryn Mawr College** (2000-01): (1) Played an important role in creation and presentation of a six-year "Implementation Plan for a New Century" (paralleling a new campaign); (2) created a transition program for a new Sabbatical Plan; (3) successfully completed an institutional research project proving that the most efficient baccalaureate pipeline for future women PhDs in the sciences and math, as a percentage of graduates, is small liberal arts colleges, and specifically women's colleges (Bryn Mawr College being among the top 10 out of 2,200 baccalaureate institutions).

**National Executive Board, The Reinvention Center** (2001-present), a national organization with the mission of re-envisioning the way major research universities approach undergraduate education.

**Review Team Member** (generalist) for decennial regional accreditation of University of Pennsylvania by the Middle States Commission on Higher Education (2004).

**Director** of Johns Hopkins University Neuromuscular Laboratory, a federal and state (CLIA) certified pathology laboratory; responsible for a research and service pathology budget of up to \$1,000,000/year and for overseeing the quality of technical and professional (faculty) staff.

**Chair, Finance and Investment Committee**, American Neurological Association (1999-2003); modernization of investment strategy through comprehensive revision of "Statement of Investment Policy," engaging and discharging professional investment consultants, and revamping investment vehicles and targets.

**Associate Editor**, *Annals of Neurology* (1997-2002) (#1 of 120 leading neuroscience journals worldwide according to impact factor by Institute for Scientific Information).

**Chair**, Neurosciences Performance Improvement Committee, Johns Hopkins Hospital (1997-2001); responsible for utilization management, risk management, performance improvement, and faculty credentialing for Neurology and Neurosurgery Departments.

**Co-Chair** (1992-93) and **Chair** (1997-98), Neurosciences Surplus Distribution and Academic Performance Committee; achieved the design of the first-ever departmental incentive and performance assessment plan.

**Organizational:** Created the Motor Neuron Study Group at Johns Hopkins University, a multidisciplinary group representing 8 departments with 40 participants, meeting since 1996.

## TEACHING

### Teaching Awards and Honors:

Teacher Investigator Development Award, NINCDS, 1983-1988

"Old Fart" Award (Neurology resident teaching award), 1988

Frank R. Ford Award, for outstanding teacher in 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

**Teaching of Leadership and Planning:** Peer teaching of faculty, staff, and trustees, through facilitation of the Presidential and Provostial Commission on Undergraduate Education

### Medical School and Undergraduate 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*

"Institutional Research on Correlates of Undergraduate Retention"

## ARTS, HUMANITIES, and COMMUNITY INVOLVEMENT

- **Baltimore Choral Arts Society**

A community supporter of fine arts for many years, performing professionally, and volunteering with other local ensemble groups. From 1986 to 2006, performed in the Baltimore Choral Arts Society (Tom Hall, Director), one of the most respected professional arts groups in the mid-Atlantic region. The BCAS specializes in historically informed performances of baroque and early classical music and is now in its 40th year of subscription concerts, performing at Meyerhoff Symphony Hall and other venues. The BCAS has appeared with the King's Singers, Chanticleer, PDQ Bach, Dave Brubeck, and with the National Symphony Orchestra in the Kennedy Center for the Performing Arts in 12 sold-out performances of Handel's *Messiah*, conducted by Nicholas McGegan (1989), Sir Roger Norrington (1992), Peter Bay (1994), and Claudio Scimone (1997), leading exponents of early music. BCAS has four recordings in current release: *Christmas with Choral Arts*; live recordings of the Rachmaninoff *All-Night Vigil* and the Mozart *Requiem*; and a recording with Dave Brubeck, *Gates of Justice*, released in 2004. Most recently, BCAS has been the featured symphonic chorus for the Baltimore Symphony Orchestra in performances of the Beethoven Ninth Symphony, Poulenc Gloria, Debussy Nocturnes, the Verdi Requiem; in summer pops concerts; and in the Baltimore premier of the Lord of the Rings Symphony. The group appears regularly on national and international public radio (*The First Art*) and television (WMAR) in multiply-Emmy-nominated holiday concerts. In 2006, the BCAS received the Emmy Award for best choral performance for its show, *Christmas with Choral Arts*. In Europe, BCAS has been featured on Radio Swiss Romande.

- **Amyotrophic Lateral Sclerosis Support Group of Baltimore**

Founder (1983) and leader (1983-90) of the first support group of its kind in the mid-Atlantic region serving families, caregivers, and patients with Lou Gehrig's disease; the group is now in its 23rd year.

- **KIDSAKE**

Founder and original coordinator in 1985 of this free support group for children of divorce and separation, and in 1986 its first children's peer group facilitator. Now in its 21st year, the group is one of only two such community groups in Maryland and is the preferred referral group by the Maryland District Court.

- **Memorial Art Gallery (University of Rochester)**

Member of Board of Managers, Executive Committee, and Nominating Committee.

## 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

Psychology 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

**CONSULTANTSHIPS:**

- 1981-1984 Consultant Neurologist, Perry Point VA Med. Ctr., Maryland
- 1981-1986 Consultant Neurologist, Baltimore City Jail
- 1981-1988 Consultant Neurologist, Maryland State Penitentiary
- 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
- 2005-present InterConsultant, Best Doctors®, Boston, MA

**BOARD CERTIFICATIONS:**

- 1983 American Board of Psychiatry and Neurology (certificate #24917)
- 1989 American Board of Electrodiagnostic Medicine (formerly member by examination, 1984, American Association for Electromyography & Electrodiagnosis)
- 1996 American Board of Psychiatry and Neurology, Certificate of Added Qualifications in Clinical Neurophysiology (certificate #627)
- 1999 American Academy of Neurology, Qualifications in Neuromuscular Pathology (nerve and muscle biopsy pathology)

**MEDICAL LICENSES:**

- 1980-Present State of Maryland
- 2003-Present State of Pennsylvania

**HONORARY SOCIETIES:**

- Phi Beta Kappa
- Psi Chi (Psychology)
- Sigma Xi (Scientific Research)
- American Neurological Association

**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:*****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)

### **Higher Education:**

National Executive Board, The Reinvention Center (2001-present)  
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 (2003-2006)  
AAU Chief Academic Officers (2007-present)  
AAU 10-University Provosts Group (2007-present)

### **EDITORIAL:**

**Experience:** 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-present)  
**Ad hoc reviewer:** *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 Review:** *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.

### **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)

#### **At Bryn Mawr College:**

Committee on Institutional Priorities (Chair, 2002-present)  
Committee on Academic Priorities (ex officio, 2002-present)  
Committee on Appointments (ex officio, 2002-present)  
Graduate Council (ex officio, 2002-present)  
Undergraduate Curriculum Committee (ex officio, 2002-present)  
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)
- Member, Memorial Art Gallery Board of Managers (2007-present)
- Member, University of Rochester Medical Center Board (2007-present)

## **BIBLIOGRAPHY**

(publications by category; chronological number at left)

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

- 143. Freedman DM, **Kuncl RW**, Malila N, Virtamo J, Albanes D: The risk of amyotrophic lateral sclerosis is reduced by  $\alpha$ -tocopherol but not  $\beta$ -carotene, based on supplement use and serum levels in a controlled trial. (Submitted, 2006).
- 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, 2007).
- 145. **Kuncl RW**, Fayez H, Wiggins WW, Lewis L, Lehar M: Mitochondrial pathophysiology of human zidovudine myopathy and its animal model. (In preparation, 2007).
- 146. Bilak MM, **Kuncl RW**: Glial derived neurotrophic factor (GDNF) induced neurite outgrowth is dependent upon chondroitin sulfate proteoglycans. (In preparation, 2007).
- 147. Crawford T, **Kuncl RW**: Amish nemaline myopathy. (In preparation, 2007).
- 148. **Kuncl RW**, McGready J: Variance, rankings, and mere rankings. (In preparation, 2007).
- 149. Kaspar B, Gage F, **Kuncl RW**: In vivo trial of adenovirally transfected pigment epithelium derived factor in the SOD1 mouse model of ALS. (In preparation, 2007).
- 152. Wozniak R, with other contributors, and **Kuncl RW**: Guidelines for the Evaluation of Electronic-Based Scholarship. (In preparation, 2007).

### ***Peer-Reviewed 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.

#### ***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, Gelinis 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].

**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.
49. Rothstein JD, **Kuncl RW**: Cerebrospinal fluid amino acids in amyotrophic lateral sclerosis. *Ann Neurol* 31:449-450, 1992.
50. Cornblath DR, **Kuncl RW**, Mellits ED, Quaskey SA, Clawson LL, Pestronk A, Drachman DB: Nerve conduction studies in amyotrophic lateral sclerosis. *Muscle & Nerve* 15:1111-15, 1992.
52. Rothstein JD, Martin LJ, **Kuncl RW**: Decreased glutamate transport by the brain and spinal cord in amyotrophic lateral sclerosis. *N Engl J Med* 326:1464-68, 1992. (Top 5 papers, ISI Citation Index, March-April 1994)
64. Rothstein JD, Jin L, Dykes-Hoberg M, **Kuncl RW**: Chronic inhibition of glutamate uptake produces a model of slow neurotoxicity. *Proc Natl Acad Sci USA* 90:6591-95, 1993.
76. Drachman DB, Chaudhry V, Cornblath DR, **Kuncl RW**, Pestronk A, Clawson L, Mellits ED, Quaskey S, Quinn T, Calkins A, Order S: Trial of immunosuppression in amyotrophic lateral sclerosis using total lymphoid irradiation. *Ann Neurol* 35:142-150, 1994.
79. Rothstein JD, Bristol LA, Hosler B, Brown RH, **Kuncl RW**: Chronic inhibition of superoxide dismutase produces apoptotic death of spinal neurons. *Proc Natl Acad Sci USA* 91:4155-59, 1994.
83. Rothstein JD, Martin L, Levey AI, Dykes-Hoberg M, Jin L, Wu D, Nash N, **Kuncl RW**: Localization of neuronal and glial glutamate transporters. *Neuron* 13:713-725, 1994.
84. Boylan KB, Cornblath DR, Glass JD, Alderson K, **Kuncl RW**, Kleyn PW, Gilliam TC: Autosomal dominant distal spinal muscular atrophy in four generations. *Neurology* 45:699-704, 1995.
86. Rothstein JD, **Kuncl RW**: Neuroprotective strategies in a model of chronic glutamate-mediated motor neuron toxicity. *J Neurochem* 65:643-651, 1995.
89. Rothstein JD, VanKammen M, Levey AI, Martin L, **Kuncl RW**: Selective loss of glial glutamate transporter GLT-1 in amyotrophic lateral sclerosis. *Ann Neurol* 38:73-84, 1995.
92. Rothstein JR, Dykes-Hoberg M, Pardo CA, Bristol LA, Jin L, **Kuncl RW**, Kanai Y, Hediger MA, Wang Y, Schielke J, Welty DF: Knockout of glutamate transporters reveals a major role for astroglial transport in excitotoxicity and clearance of glutamate. *Neuron* 16:675-686, 1996.

111. Corse AM, Bilak MM, Bilak SR, Lehar M, Rothstein JD, **Kuncl RW**: Preclinical testing of neuroprotective neurotrophic factors in a model of chronic motor neuron degeneration. *Neurobiology of Disease* 6:335-346, 1999 (see accompanying editorial: Elliott JL: Experimental models of amyotrophic lateral sclerosis, *Neurobiology of Disease* 6:310-320, 1999).
114. Bilak MM, Corse AM, Bilak SR, Lehar M, Tombran-Tink J, **Kuncl RW**: Pigment epithelium-derived factor protects motor neurons from chronic glutamate-mediated neurodegeneration. *J Neuropathol Exp Neurol* 58:719- 728, 1999.
115. Bilak MM, Shifrin DA, Corse AM, Bilak SR, **Kuncl RW**: Neuroprotective utility and neurotrophic action of neurturin in postnatal motor neurons: comparison with GDNF and persephin. *Molec Cell Neurosci* 13:326-336, 1999.
120. Bilak MM, Corse AM, **Kuncl RW**: Additivity and potentiation of IGF-I and GDNF in the complete rescue of postnatal motor neurons. *ALS and Other Motor Neuron Diseases* 2:83-91, 2001.
122. Bilak MM, **Kuncl RW**: Delayed application of IGF-I and GDNF can rescue already injured postnatal motor neurons. *Neuroreport* 12:2531-35, 2001.
130. Kuncl RW, Bilak MM, Bilak SR, Corse AM, Royal W, Becerra SP: Pigment epithelium-derived factor is elevated in CSF of patients with amyotrophic lateral sclerosis. *J Neurochem* 81:178-184, 2002.
135. Bilak MM, Becerra SP, Vincent AM, Moss BH, Aymerich MS, **Kuncl RW**: Identification of the neuroprotective molecular region of PEDF and its binding sites on motor neurons. *J Neurosci* 22:9378-86, 2002.
143. Freedman DM, Travis LB, Gridley G, **Kuncl RW**: Amyotrophic lateral sclerosis mortality in 1.9 million US cancer survivors. *Neuroepidemiology* 25:176-180, 2005.

**Myasthenia Gravis:**

11. **Kuncl RW**, Pestronk A, Drachman DB, and Rechthand E: Pathophysiology of penicillamine-induced myasthenia gravis. *Ann Neurol* 20: 740-744, 1986.
20. **Kuncl RW**, Drachman DB, and Adams RN: Inhibition of methyltransferase reduces the turnover of acetylcholine receptors. *Proc Natl Acad Sci USA* 85:4032-4036, 1988.
32. McIntosh KR, Drachman DB, **Kuncl RW**: Antigen-specific suppressor macrophages induced by culture with cyclosporine A plus acetylcholine receptor. *J Neuroimmunol* 25:75-89, 1989.
60. **Kuncl RW**, Drachman DB, Adams R, Lehar M: 3-Deazaadenosine: A therapeutic strategy for myasthenia gravis by decreasing the endocytosis of acetylcholine receptors. *J Pharmacol Exp Ther* 267:582-589, 1993.
61. **Kuncl RW**, Wittstein I, Adams RN, Wiggins WW, Avila O, Pestronk A, McIntosh K, Lucas D, DeSilva S, Lehar M, Drachman DB: A novel therapy for myasthenia gravis by reducing the endocytosis of acetylcholine receptors. *Ann NY Acad Sci* 681:298-301, 1993.
97. Gomez CM, Masselli R, Gammack J, Lasalde J, Tamamizu S, Cornblath DR, Lehar M, McNamee M, **Kuncl RW**: A  $\beta$ -subunit mutation in the acetylcholine receptor channel gate causes severe slow channel syndrome. *Ann Neurol* 39:712-723, 1996.

### **Neuropathy:**

42. Chaudhry V, Cornblath DR, Avila O, Friemer ML, Glass JG, Reim J, Ronnette G, Quaskey SA, Mellits ED, **Kuncl RW**: Inter- and intra-examiner reliability of nerve conduction measurements. *Ann Neurol* 30:841-843, 1991.
48. Freimer MF, Glass JD, Chaudhry V, Cornblath DR, Griffin JW, **Kuncl RW**: Chronic inflammatory demyelinating polyneuropathy associated with eosinophilia-myalgia syndrome. *J Neurol Neurosurg Psych* 55:352-58,1992.
62. Chaudhry V, Corse AM, Cornblath DR, **Kuncl RW**, Drachman DB, Freimer ML, Miller RG, Griffin JW: Multifocal motor neuropathy: response to human immune globulin. *Ann Neurol* 33:237-242, 1993.
71. Chaudhry V, Cornblath DR, Griffin JW, Corse AM, **Kuncl RW**, Drachman DB: Multifocal motor neuropathy or CIDP? *Ann Neurol* 34:750-51, 1993 (letter).
75. Chaudhry V, Corse AM, Cornblath DR, **Kuncl RW**, Freimer ML, Griffin JW: Multifocal motor neuropathy: electrodiagnostic features. *Muscle & Nerve* 17:198-205, 1994.
77. Watson DF, Nachtman FN, **Kuncl RW**, Griffin JW: Altered neurofilament phosphorylation and beta tubulin isotypes in Charcot-Marie-Tooth Disease, type 1. *Neurology* 44: 2383-87, 1994.
80. Chaudhry V, Corse AM, Freimer ML, Glass JD, Mellits ED, **Kuncl RW**, Quaskey SA, Cornblath DR: Inter- and intraexaminer reliability of nerve conduction measurements in patients with diabetic neuropathy. *Neurology* 44:1159-1462, 1994.
87. Chaudhry V, Corse AM, Freimer ML, Glass JD, Mellits ED, **Kuncl RW**, Quaskey SA, Cornblath DR: Nerve conduction studies in diabetic neuropathy. *Neurology* 45:849-50, 1995 (letter).
91. Corse AM, Chaudhry V, Crawford TO, Cornblath DR, **Kuncl RW**, Griffin JW: Sensory nerve pathology in multifocal motor neuropathy. *Ann Neurol* 39:319-325, 1996.
98. Corse AM, Chaudhry V, **Kuncl RW**, Cornblath DR, Crawford T, Griffin JW: Reply, Biopsy findings link multifocal motor neuropathy to chronic inflammatory demyelinating polyneuropathy. *Ann Neurol* 40:949-950, 1996 (letter).
104. Fadic R, Russell JA, Vedanarayanan VV, Lehar M, **Kuncl RW**, Johns DR: Sensory ataxic neuropathy as the presenting feature of a novel mitochondrial disease. *Neurology* 49:239-245, 1997.

### **HIV-AIDS:**

38. McArthur JS, Griffin JW, Cornblath DR, Griffin DE, Tesoriero T, **Kuncl RW**, Gibbs CJ, Farzadegan H, Johnson RT: Steroid-responsive myeloneuropathy in a man dually infected with HIV-1 and HTLV-1. *Neurology* 40:938- 944, 1990.
57. Flexner CW, Hildreth J, **Kuncl RW**, Drachman DB: 3-Deazaadenosine inhibits HIV infection. *Lancet* 339:438, 1992.

### **Other:**

19. **Kuncl RW**, Richter W: Prevalence and ultrastructure of sarcocystis in rhesus monkeys. *Japanese J Vet Sci* 50:519- 527, 1988.
59. Baloh RW, DeRossett SE, Cloughesy TF, **Kuncl RW**, Miller NR, Merrill J, Posner JB: Novel brainstem syndrome associated with prostate carcinoma. *Neurology* 43:2591-96, 1993.

67. Cho PW, Levin HR, Curtis WE, Tsitlik JE, DiNatale JM, Kass DA, Gardner TJ, **Kuncl RW**, Acker MA. Pressure-volume analysis of changes in cardiac function in chronic cardiomyoplasty. *Ann Thor Surg* 56:38-45, 1993.
72. Torres JA, Sponseller P, Kim TS, **Kuncl RW**, Crawford T: Radiographic and histological characterization of Tc/tw mice: an 5 animal model of lumbosacral agenesis/myelomeningocele. *Dev Med Child Neurol* 36:698-706, 1994.
151. Wilson RK, **Kuncl RW**, Corse AM: Wernicke's encephalopathy: beyond alcoholism. *Nature Clinical Practice Neurology* 2:54-59, 2006 (article highlighted for CME test credit).

#### **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.
150. **Kuncl RW** and Andrews S: *Current Issues in Higher Education*. (Book project in preparation, 2006)

#### **Publications from Multicenter Trials**

96. **ALS CNTF Treatment Study [ACTS] Group**: A double-blind placebo-controlled clinical trial of subcutaneous recombinant human neurotrophic factor (rhCNTF) in amyotrophic lateral sclerosis. *Neurology* 46:1244-49, 1996. (Principal Investigator, local center).

#### **Musical Recordings**

68. **Baltimore Choral Arts Society**: Sergei Rachmaninoff *All-Night Vigil, op. 37*. WJHU Public Radio and Baltimore Choral Arts Society, producers, 1993 (cassette tape and compact disc).
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.
106. **Baltimore Choral Arts Society**: *Christmas at the Basilica*. Tom Hall, producer; T Rowe Price, sponsor; WMAR TV, 1997.
107. **Baltimore Choral Arts Society**: *Christmas at the Basilica*. Tom Hall, producer; T Rowe Price, sponsor; WMAR TV, 1998.
116. **Baltimore Choral Arts Society**: *Christmas at the Basilica*. Tom Hall, producer; WMAR TV, 1999.
119. **Baltimore Choral Arts Society**: *Christmas at the Basilica*. Tom Hall, producer; WMAR TV, 2001.
123. **Baltimore Choral Arts Society**: *A Season of Celebration*. Tom Hall, producer, 2001 (compact disc).
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.

**Book Chapters, Review Articles, Audio-visual Publications**

21. Drachman DB, McIntosh KR, DeSilva S, **Kuncl RW**, and Kahn C: Strategies for the treatment of myasthenia gravis. *Ann NY Acad Sci* 540:176-186, 1988.
22. **Kuncl RW**: Colchicine myopathy. *Johns Hopkins Grand Rounds* 14:Program 4, 1988.
23. **Kuncl RW**, Wiggins WW: Toxic myopathies. *Neurol Clin* 6:593-619, 1988.
24. Drachman DB, McIntosh KR, deSilva S, **Kuncl RW**, Kahn C: Myasthenia gravis: therapeutic strategies. In, *Neuroimmunological Diseases: Recent Advances in Pathogenesis and Treatment*, Igata A, ed. Univ Tokyo Press, Tokyo, pp. 205-219, 1988.
25. **Kuncl RW**: Colchicine myopathy. *Cont Med Educ Orth Surg* 20(2):Program 1, 1988.
35. **Kuncl RW**, Clawson LL: Amyotrophic lateral sclerosis. In, *Current Therapy in Neurological Disease*, Third Edition. Johnson RT, ed. BC Decker, Inc., Philadelphia, pp. 291-300, 1990.
44. **Kuncl RW**, Crawford TO, Rothstein JD, Drachman DB: Motor neuron diseases. In, *Diseases of the Nervous System*, 2nd edition. Asbury AK, McKhann GM, McDonald WI, eds. W. B. Saunders Co., Philadelphia, pp. 1179- 1208, 1991.
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.
73. Rieke K, **Kuncl RW**: Rhabdomyolysis and acute presentations of myopathies. In, Hacke W, Hanley DF, Einhaupl KM, Bleck TP, Diringer MN, eds., *Neurocritical Care*. Springer-Verlag, Berlin, pp. 822-826, 1994.

74. Drachman DB, **Kuncl RW**: Myasthenia gravis. In, Hohlfield, R, ed., *Immunology of Neuromuscular Disease*. Immunology and Medicine Series, Kluwer Academic Publishers, Dordrecht, The Netherlands, pp. 165-207, 1994.
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**

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 Neuronotrophic 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: “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?”

***Media Presentations; 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.