

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:

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

Professor of Neurology, University of Pennsylvania School of Medicine (2002 - 2007)

Vice Provost, Johns Hopkins University (2001-2002); Professor of Neurology Johns Hopkins

University School of Medicine (1983-2002); and **Director, Neuromuscular Laboratory**, Johns Hopkins University School of Medicine (1998-2001)

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**

ATTRIBUTES:

- Cultivation and stewardship of multi-million dollar major gifts, major donor prospects, and multiple major grants from private foundations and federal agencies
- National leadership in undergraduate higher education reform and college affordability
- 10 years provostial experience on multiple COFHE campuses
- 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 and commercialization policy and implementation
- Editorial leadership, #1 international clinical neuroscience journal
- Performing musician
- Founder of community initiatives

NATIONAL LEADERSHIP and ADMINISTRATIVE ACCOMPLISHMENTS

Vice Provost (2001-2002) and Professor (1983-2002), Johns Hopkins University

Accomplishments:

- **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 off 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; 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 the first undergraduate Enrollment Management Team** on the Homewood Campus to lead Admissions, Financial Aid, and the Deans of Engineering and A&S in enrollment policy and practice.
- **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).
- **Mentored students** to write a business plan to create *Prometheus*, an undergraduate and graduate philosophy journal; honored by inaugural volume dedication.
- **Published national comparative research on federal under-investment in research** within higher education, as compared with health care and defense.
- **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 and staff. Redefined the operational structure to become profitable; created its first electronic clinical database.
- **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 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, 1996-2002.

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

Bryn Mawr is a classic research-intensive liberal arts college in the scholar/teacher model, with an endowment of >\$600 M and an annual budget of ~\$100 M. As CAO, I was responsible for the academic budget; received direct reports of 3 deans and faculty in 2 graduate schools (including 9 PhD programs and a professional school of social work); responsible for the undergraduate college with its dean and 160-plus faculty; also oversaw a child development institute, experimental lab school, institutional research, and the nation's first and foremost post-baccalaureate premedical program.

Accomplishments:

- **Tripled federal research funding for faculty** while preserving academic programs, controlling academic expenditures, and decreasing the size of the central administration.
- **Fundraising:** Engagement with major (science) donors and all alumnae in the \$225-M capital campaign at Bryn Mawr.
- **Sponsored or coauthored several funded multimillion-dollar institutional grants to HHMI and NSF, as well as a \$2-M endowment grant from the Mellon Foundation** to create a tri-college partnership supporting professorships in Arabic and Middle East/Islamic Studies at Bryn Mawr, Haverford, and Swarthmore Colleges.
- **Tackled the elements of an academic structural deficit**, including faculty size, work load, course enrollments.
- **Substantial accomplishments in diversity and inclusiveness**, establishing a distributed function of diversity leadership; hired more than one-third of entire faculty, with 63% of hires women and 36% persons of color.
- **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 the full spectrum of faculty career development**, through increased incentives for junior faculty research, enhanced leadership development for faculty chairs, systematic retirement planning, and improved quality of emeritus life.
- **Led the creation of 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.
- **Helped solve a \$5-M budget deficit** through cost reductions, reduction in force, and private foundation grants.
- **Assessed the quality of all graduate programs.**
- **Revised post-tenure professorial merit system.**
- **Created faculty research project on how to evaluate electronic scholarship, funded by NITLE (Mellon).**

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

Responsibility for the academic integrity of the University of Rochester entails oversight of the deans and directors of the Eastman School of Music, the William E. Simon School of Business Administration, the Margaret Warner Graduate School of Education and Human Development, University Information Technology, River Campus Libraries, the Center for Entrepreneurship, the Memorial Art Gallery, and the National Laboratory for Laser Energetics but also university-wide initiatives in technology transfer, sustainability, diversity, and multidisciplinary. Relationships with the deans of the School of Medicine and Dentistry, the School of Nursing, and the CEO of the University of Rochester Medical Center are close and parallel, as the Provost is also the Chief Research Officer of the University. As an officer of the University, I also have natural roles to play in quality assurance, risk management, and medical legal issues, and serve as the final university-wide adjudicator of grievances. With the President and Chief Financial Officer, I am one of three who approve and administer the \$2.8-billion-plus budget of the University, including the Medical Center. The Provost/EVP regularly acts as the President in his absence.

Accomplishments:

- **Created a \$100-M three-way alliance among IBM, the State of NY, and a consortium of more than a hundred scientists** in the schools of Arts & Sciences, Hajim School of Engineering, and the School of Medicine and Dentistry to establish a high-performance computational center in life sciences (see below).
- **Responsible for faculty diversity initiatives, 2007-present**, leading in assessment and culture-changing procedures. Chaired and designed national searches resulting in the hire of three senior women leaders, including Dean of the School of Nursing, Vice Provost/Dean of River Campus Libraries, and Vice Provost for Diversity and Faculty Development, raising the latter two to cabinet-level positions. Toured 10 national corporations to consult with their diversity leaders. Developed campus climate survey and promotional faculty search materials about family friendly practices. Administered Special Opportunities Fund for faculty hiring that promotes diversity and inclusiveness.
- **Created Provost's Multidisciplinary Award Fund of \$250K** annually to promote inter-school faculty research initiatives (2008-present).
- **Created first annual "Celebration of the Book,"** feting all faculty authors (2008-present), and offering subventions for first scholarly books by authors in humanities and humanistic social sciences.
- **Founded the "Provost's Circle" honoring scholar athletes** (2008-present).
- **Redesigned and renovated an 1857 historic landmark mansion as the Provost's home, to bring it back on line for university advancement purposes and to enhance faculty and staff community,** hosting more than 50 university events annually (2007).
- **Led successful advancement events for major donor prospects and alumni** from all schools of the University (in Boston, NY City, Naples, Miami/Palm Beach, Southern California, San Francisco, and Seattle).
- **Technology Transfer and Commercialization:** Leads tech transfer function for the University of Rochester, the #2 in the nation in revenue on a per capita basis; **chaired new Technology Transfer Policy Committee**, rewriting metrics, reorganizing organizational structure (offices, web presence, annual reports), and leading its review by a blue ribbon panel of trustee experts and external entrepreneurs (2007-present); **created an Entrepreneurship and Technology Hub within the University** to coordinate activities during the comprehensive campaign (2010-present); **created and chaired a National Technology and Innovation Advisory Network** of major donors and technical advisors with expertise in enterprise formation (2011-present).

- **Formed a new Technology Development Fund and chaired its Executive Committee:** This \$250,000 venture (with aspirations as a multimillion-dollar vehicle) is a philanthropy-driven fund, which intends to grant seed money (\$40-100,000) to entrepreneurial investigators early in their process of bringing a nascent discovery toward marketability. Its purpose is to close the gap between the stage of the discovery itself and the demonstration of its attractiveness to angel investors – the so-called valley of death. The intent is that the Fund will become evergreen through paybacks from the start-up ventures and royalties it generates and by continued philanthropy, so that eventually it will be able to fund 6 to 10 ventures per year.
- **Led the process of forming and chaired a new University Council on Sustainability (2008-present).**
- **Revised the Crisis Management Plan of the Senior Leadership Group (2008).**
- **Created and Chaired a New Deans' Committee on Administrative Practices,** writing policy on progressive discipline, standard contract guidelines, and retirement planning **(2007-present).**
- **Convened new Working Group on Copyright (2008).**
- **Created the first Council of Senior Deans at the University of Rochester (2009-present).**
- **Enhanced the new faculty orientation** to a highly successful extended program entitled “**UR Year One,**” including teaching and learning, diversity, research resources at Rochester, tenure and promotion, among other topics.
- **Created the New Leaders Program,** an in-house leadership training program for new chairs and deans, including such topics as budget management, responsibilities of chairs in research, dealing with difficult persons, and diversity and recruitment.
- **Developed and launched at the University of Rochester a new collaborative, national, interactive leadership workshop,** in cooperation with the American Council on Education, Rochester Institute of Technology, and Syracuse University, entitled “**Leading Your Department Into the Future: A Leadership Program for Chairs, Heads, and Directors;**” inaugural session June 9-11, 2010.
- **Chaired the Data Security Task Force,** developing policies on confidential information, sensitive personal financial information, and HIPAA, and developing an operational plan in case of IT security breach **(2007-present).**
- **Created and chaired a new Information Technology Steering Group to govern IT university-wide and prioritize strategies, budget, and implementation decisions (2009).**
- **Chaired the Conflict of Interest Committee (2007-present)** in writing new policies on conflicts of interest related to financial engagements, research, drugs, devices, and procurement; responsible for individual and institutional conflict of interest management plans.

Other National Roles in Higher Education:

Review Team for decennial accreditation of **Dartmouth College** by the New England Association of Schools and Colleges (lead author for planning, evaluation, organization, and governance), (2010)

National Executive Board, The Reinvention Center (2001-2010), a national organization with the mission of re-envisioning the way major American research universities approach undergraduate education.

Director, Board of Directors, Tuition Plan Consortium, sponsor of Private College 529 Plan, the only non-public section 529 savings plan in the USA, with the mission of greater college affordability (member, Committee on Directors) (2008-present)

Judge, Blavatnik Awards Committee, New York Academy of Sciences (2009)

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

Chair, Finance and Investment Committee, American Neurological Association (1999-2003); achieved modernization of investment strategy through comprehensive revision of "Statement of Investment Policy;" engaged and discharged professional investment managers; and revamped investment vehicles and targets.

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).

FUND-RAISING EXPERIENCE and SUCCESS

Public/Private Partnerships:

- **Continuing to broker a three-way partnership for University of Rochester with IBM executives and the Governor and Assembly of the State of NY to establish a \$100-M high performance computational function**; took the lead as PI: coordinated some 100 scientists in three schools (A&S, Medicine, and Engineering) with a steering group of 10 deans and IT staff to establish a **Health Sciences Center for Computational Innovation** to focus on (1) Emerging and Pandemic Influenza, (2) Advanced Imaging, (3) Computational and Systems Biology, and (4) Personalized Medicine; initial seed grant established at \$3.2 Million; negotiated remaining Joint Study Agreement, including IP issues, governance, and final budget, pending final State approval, **2009**.
- **Member of Government-University-Industry Research Roundtable, appointed by the National Academies of Sciences (2009 - present)**

College- and University-Wide:

- \$225-M capital campaign, “Challenging Women,” Bryn Mawr College (2002-07); roles in friend building among science-oriented major donors; speaking to alumnae groups; and foundation relations and foundation grants.
- Silent phase of \$1-Billion-level comprehensive campaign, University of Rochester; solicitation of major gifts; I lead many successful advancement events for major donor prospects and alumni for all schools of the University in Boston, NY City, Naples, Miami/Palm Beach, Southern California, San Francisco, and Seattle;
- Redesigned and renovated an 1856 historic mansion for significant advancement use.
- Created an “Entrepreneurship and Technology Hub” within the University to coordinate activities during the comprehensive campaign (2010-present).
- Designed and chaired a “National Technology and Innovation Advisory Network” of major donors and technical advisors with expertise in enterprise formation (2011-present).
- Formed a new “Technology Development Fund” and chaired its Executive Committee 2010-present). Intended to be a multi-million dollar vehicle, this is a philanthropy-driven fund, which intends to grant seed money (\$40-100,000) to entrepreneurial investigators early in their process of bringing a nascent discovery toward marketability. Its purpose is to close the gap between the stage of the discovery itself and the demonstration of its attractiveness to angel investors – the so-called valley of death. The intent is that the Fund will become evergreen through paybacks from the start-up ventures and royalties it generates and by continued philanthropy, so that eventually it will be able to fund 6 to 10 ventures per year.

Medical:

Conceived and established the following named funds as primary fund-raiser, manager, and steward:

- Brokered the agreement with Cal Ripken Jr, the Baltimore Orioles, Major League Baseball, and Eleanor and Lou Gehrig’s family attorneys to create a \$2.1-M endowment at Johns Hopkins – the “Cal Ripken/Lou Gehrig Fund for Neuromuscular Research (1995)
- Jay Slotkin Fund for Neuromuscular Research (\$500 K; endowment, 1986-2002)
- Nine other named research funds at Johns Hopkins Univ (American Contract Bridge League Fund; Helen MacLeod Memorial ALS Fund; T. S. Cravers ALS Memorial Fund; Beverly Walters Fund; Edgar Askin Fund; Harvey and Linda Wertlieb Fund; Sue Mullen Fund; Mid-Atlantic Fall Classic Fund; Dino and Wendy Fabbri Fund for Neuromuscular Research; the Gail Rupertus Foundation)

- Jay Slotkin Visiting Professorship (1996)
- Cal Ripken/Lou Gehrig Visiting Professorship (1998)
- Award for Excellence in Research by a Resident in Neurology (conception and endowment, 1989; chair, 1990-1999)
- Richard T. Johnson Portrait Fund (creator and chair, 1997)

Community:

- Endowment Campaign, Brown Memorial Woodbrook Presbyterian Church (roles in conceptualization and organization of a \$1,000,000 campaign, 1997-99)

TEACHING

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

Special Presentations on 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 21st 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”

Students Trained:

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

Higher Education Fellows Mentored through the American Council on Education Fellowship Program:

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| 2008-09 | Lorrie Clemo, State University of New York at Oswego (host, University of Rochester): currently, Interim Provost and Vice President for Academic Affairs |
| 2010-11 | Julie Buehler, Deputy Chief Information Officer, University of Rochester (host, Rochester Institute of Technology) |

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, 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 on which RWK performed: *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. 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-E 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 28th 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. The group is one of only two such community groups in Maryland and for 25 years was 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 (2007-present)

- **Eastman Rochester Chorus**

Member, performing regularly with the Rochester Philharmonic Orchestra and the Eastman Symphony Orchestra, programming works from large 18th Century oratorios to modern motets (2007-present).

- **Genesee Valley Club, Rochester, NY**

- **Oak Hill Country Club, Rochester, NY**

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:

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
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

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)

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:

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.

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**, Malila N, Virtamo J, Albanes D: The risk of amyotrophic lateral sclerosis is reduced by α -tocopherol but not β -carotene, based on supplement use and serum levels in a controlled trial. (In preparation, 2011).
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). (Submitted, 2011).
145. **Kuncl RW**, Fayez H, Wiggins WW, Lewis L, Lehar M: Mitochondrial pathophysiology of human zidovudine myopathy and its animal model. (In preparation, 2011).
146. **Kuncl RW**, McGready J, Moore K: Historical variance analysis over long epochs of college and national university rankings by the US News methodology. (In preparation, 2011).
147. **Kuncl RW**: Coordinated response of pemphigus vulgaris to thymectomy performed for myasthenia gravis (In preparation, 2011).
150. Wagner K, Judge D, Greenberg SA, and **Kuncl RW**: Myofibrillar myopathy with reducing bodies from an autosomal dominant mutation in desmin (In preparation, 2011).

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.
151. 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>
152. **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.

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.
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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].

153. Kuncel RW: Agents and mechanisms of toxic myopathies. *Current Opinion in Neurology*, 22:506-515, 2009.

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

13. Cornblath DR, **Kuncel 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. **Kuncel 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, **Kuncel 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, **Kuncel RW**, Drachman DB, Clawson L: Patterns of serum IgM antibodies to GM1 and GD1a gangliosides in ALS. *Ann Neurol* 25:98-102, 1989.
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30. Drachman DB, **Kuncel 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, **Kuncel 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.
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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.
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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.
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122. Bilak MM, **Kuncl RW**: Delayed application of IGF-I and GDNF can rescue already injured postnatal motor neurons. *Neuroreport* 12:2531-35, 2001.
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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.
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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.
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75. Chaudhry V, Corse AM, Cornblath DR, **Kuncl RW**, Freimer ML, Griffin JW: Multifocal motor neuropathy: electrodiagnostic features. *Muscle & Nerve* 17:198-205, 1994.
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- 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.
- 149. 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.
148. **Kuncl RW** and Andrews S: *Current Issues in Higher Education*. (Book project in preparation, 2011)

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 (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.
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.
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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.

151. **Eastman Rochester Chorus:** *Bruckner Mass in E Minor and Bruckner Motets*, with Eastman Wind Ensemble, William Weinert, producer and conductor, 2007.
152. **Eastman Rochester Chorus:** *Elijah*, William Weinert, producer and conductor, 2008

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.
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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.
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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.
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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*, 23rd 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.
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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.
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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[®] 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 25th 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. 11th 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; 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 21st 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."

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 21st 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."

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 Ruppertus 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 Kuncel, 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

FACULTY TRAINED:

<u>Name</u>	<u>Dates Trained</u>	<u>Highest Academic Position Attained</u>
-		
Gary Romano, MD,PhD	1997-1999	Asst. Prof Neurology, Hahneman Univ.; Asst. Dir. Neuroscience Research, Merck Pharmaceuticals

PHD COMMITTEES CHAIRED:

Yuriy Shapovalov 2009

(PhD Thesis Defense, Interdepartmental Graduate Program in Neuroscience, School of Medicine and Dentistry, University of Rochester, 12/22/09: “The Role of Neuroinflammation in the Pathogenesis of Amyotrophic Lateral Sclerosis”)

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

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

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, 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, 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, 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) NY	Undergraduate; became President Institute of East-West Medicine,
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