

# Jeff Radel, PhD

**Work Address:** Mail Stop 2003 (3033 Robinson)  
Dept. of Occupational Therapy Education  
School of Health Professions  
University of Kansas Medical Center  
3901 Rainbow Blvd.  
Kansas City, KS 66160

**e-mail:** [jradel@kumc.edu](mailto:jradel@kumc.edu)  
**web:** <http://www.kumc.edu/SAH/OTEd/jradel/VNL/>  
**tel:** 913.588.7165 (w)

---

---

## Curriculum Vitae

### Education and Training

<b>Post-doctoral training</b>	1987 - 1992
Dept. of Neurobiology, Anatomy and Cell Science University of Pittsburgh, Pittsburgh, PA	
<b>Doctoral degree</b>	1987
Ph.D. (Experimental Psychology/Neuroscience) – Dept. of Psychology, Dalhousie University, Halifax, Nova Scotia, Canada	
<b>Master’s degree</b>	1982
M.A (Experimental Psychology/Neuroscience) – Dept. of Psychology, Dalhousie University, Halifax, Nova Scotia, Canada	
<b>Baccalaureate degree</b>	1979
B.A. (Psychobiology) with honors – Dept. Psychology, Oberlin College, Oberlin, OH	

### Positions

<b>Associate Professor</b> (primary appointment)	1999 – present
Dept. Occupational Therapy Education, School of Health Professions, Univ. Kansas Medical Center	
<b>Associate Professor</b> (joint appointment)	1993 – present
Dept. Molecular & Integrative Physiology, School of Medicine, Univ. Kansas Medical Center	
<b>Associate Professor</b> (adjunct appointment)	2010 – present
Dept. Ophthalmology, School of Medicine, Univ. Kansas Medical Center	
<b>Interim Associate Dean for Academic and Student Affairs</b>	2016 – present
School of Health Professions	
<b>Research Coordinator</b>	2014 – present
Center for Concussion Management, KU Hospital	
<b>Graduate Director</b>	2003 – present
Dept. Occupational Therapy Education, School of Health Professions, Univ. Kansas Medical Center	
<b>Investigator</b>	1994 – present
Kansas Intellectual and Developmental Disabilities Research Center, Univ. Kansas Medical Center	
<b>Assistant Professor</b>	1992 – 1999
Dept. Occupational Therapy Education, School of Allied Health, Univ. Kansas Medical Center	
<b>Affiliate Member</b>	1992 – 1994
R.L. Smith Human Development and Mental Retardation Research Center, Univ. Kansas Medical Center	

*(note: the School of Allied Health was renamed as the School of Health Professions in 2011)*

## Professional Activities

### Teaching

#### Teaching Awards

Joyce Jones Award for Excellence in Teaching (Student nominated award) 2000 & 2001  
Dept. Occupational Therapy Education, SAH, KUMC

#### Current courses

*Context of Occupations* (OCTH 645) 2004 – present

Instructor (graduate entry-level professional program; 3 credits)  
Occupational Therapy Education, School of Health Professions, KUMC

*Neuroscience Analysis of Occupational Performance* (OCTH 655) 2001 – present

Instructor (graduate entry-level professional program; 3 credits)  
Occupational Therapy Education, School of Health Professions, KUMC

*Professional Writing and Research Practicum* (OCTH 790) 2003 – present

Instructor; project coordinator and project mentor (graduate entry-level professional program; 3 credits) Occupational Therapy Education, School of Health Professions, KUMC

*Independent Study* (OCTH 680) 2010 – present

Instructor & coordinator for MOT students participating in the Robinson Scholars program in Vellore, India (graduate entry-level professional program; 3 credits) Occupational Therapy Education, School of Health Professions, KUMC

*Special Projects in OT* (OTMS 799) 2005 – present

Instructor (advanced study graduate program; 1-3 credits)  
Occupational Therapy Education, School of Health Professions, KUMC

*Effective Communication in Scientific and Academic Settings* (GSMC 857) 1997 – present

Seminar director (graduate & post-graduate; 1 credit)  
Interdisciplinary Graduate Program in Biological Sciences, School of Medicine, KUMC

#### Past courses

*Neuroscience* (PTRS 850) 2005 - 2014

*The Research Process* (OCTH 725) 2003 - 2008

*Graduate Proseminar* (OTMS 800/TS 800) 2003 - 2007

*The Ecology of Human Performance* (OCTH 445) 2001 - 2004

*Clinical Physical Conditions* (OT 400) 1999 - 2000

*Activities Analysis* (OT 405) 1995 - 1998

*Effective Communication in Academic Settings* (PHSL 851) 1994 - 1996

*Seminar in Research Design and Analysis* (OCTH 890) 1994 - 1995

*Applied Neuroscience* (OTMS 801) 1992 - 2004

*Applied Neurology* (OT 365) 1992 - 2000

*Methods in Experimental Psychology* (PSY 2000) 1983 - 1986

*Physiological Psychology* (PSY 3000) 1980 - 1983

#### Other Teaching & Workshops

- "Sports-related concussions and today's student athletes"* **2010 - present**  
 A series of 15 – 50 minutes education programs tailored to different audiences (players & parents, coaches & trainers, game officials, or medical professionals) that provide an evidence-based perspective on brain injuries in adolescent students resulting from sports-related injuries.
- Kansas City Youth Lacrosse League - coaches **2013**
  - Blue Valley Youth Football program – coaches  
Mission Trails Elementary School
  - Boys and girls youth soccer programs, Belton, MO **2012**
  - Kansas City Firefighters Training program – trainee firefighters
  - Kansas City Youth Lacrosse League - coaches
  - Lacrosse Association of Kansas City - Board of Directors
  - Hickman Mills School District – coaching & administrative staff
  - University Academy Charter School – parents
  - Blue Valley Youth Football program – coaches
  - Leawood Middle School, Blue Valley School District
  - KU Medical Center Grand Rounds: Neurology, Pediatrics
  - Pembroke Hill School Parents Awareness Association – parents & coaches **2011**
  - University Academy Charter School - parents & players
- "Presenting research findings effectively – Strategies, tips, and things to avoid"*
- Guest lectures:*
- KUMC Center for American Indian Studies, high school student seminar **2011 – 2015**
  - KUMC Scholarship of Teaching seminar series **2013 – 2015**
  - GSMC 803 – Introduction to Clinical Research **2008 - present**
  - HP&M 885 – Instructional Methods in Health Services Education **2009 - present**
- "The Brain and the Big Screen: Practitioners, Producers, and Neuroscience"* **2000 - present**  
 Continuing Education workshop (6 hrs) for health professionals, presenting fundamental concepts of the neurosciences in the context of clinical application. Examples from the entertainment industry are used to illustrate integration of neural systems, drug action in the CNS, substrates of mental health, and functional impairment related to CNS development, vascular compromise, and trauma. Between 3 and 5 workshops per year, typically with 100 – 150 participants attending each workshop.
- "Rehabilitation of Central-Nervous System Injuries: Evidence-based Approaches"* **2008**  
 Workshop presented at the 88<sup>th</sup> Annual AOTA Conference.
- "Turning Your Good Science into an Effective Presentation"* **2003 & 2008**  
 Invited seminar for trainees and staff at the Stower's Institute of Kansas City; a discussion of strategies for formulating talks and presenting information in accessible formats suitable for scientific and other professional settings.
- "Brain development and omega-3 fatty acids"* **2007**  
 Workshop for district educational support professionals on the role of dietary fatty acids in relation to neural function, cognition, and behavior. Teachers, therapists, and staff of Lee's Summit School District.

- "Clinical insights, practical neuroscience – Pediatric practice and the brain"* 2007  
Workshop for regional health care professionals working with pediatric populations, focusing on brain development and how interventions may influence functional capacity. Kansas City Pediatric Alliance.
- "Neuroanatomy of Stroke"* 2007  
Workshop for healthcare professionals sponsored by the Bi-State Stroke Education Consortium, Providence Medical Center, and the American Stroke Association.
- "Scientific Presentations – the Why and the How"* 2004 & 2005  
Invited lecture to fellows participating in the Vietnam Education Foundation trainee program. Hosted by the National Academies of Science, this seminar summarized strategies for presenting information in accessible formats suitable for scientific and other professional settings.
- Vision and the Brain – There's more than Meeting the Eyes!* 1999 – 2005  
Annual presentations made to elementary school students; internal structure of the eye, optics & corrective lenses, color vision, the brain & vision, perception, and illusions. Typically 60 – 80 5<sup>th</sup> grade students.
- "Humpty Dumpty Should have Worn a Helmet!"* 1998 - 2005  
Brain Awareness Week - Annual presentations made to elementary school students; brain structure, brain function, communication, and preventing head injuries. Indian Woods Elementary, Pembroke Hill Lower School, Prairie Village Elementary, Rushton Elementary; typically 30 – 60 4<sup>th</sup> & 5<sup>th</sup> grade students per school.
- "The Plight of the Scarecrow: CNS correlates of functional capacity."* 1996  
Workshop on applied neurology at Kansas Occupational Therapy Association annual meeting; video clips from the movie "The Wizard of Oz" were used to illustrate neurological considerations relating to function and dysfunction, and to suggest that an individual with neurological impairment sufficient to produce clinically apparent dysfunction may nonetheless be capable of a living a productive lifestyle with sufficient environmental supports and insightful application of interventions.

## Innovations in Teaching

### 1. *Animal Care & Use on-line training program*

An important aspect of an Institutional Animal Care & Use Committee's responsibilities is to facilitate education and training of investigators and other laboratory personnel in any procedures that involve living animals. I played an integral role in developing on-line training materials and testing modules to improve the effectiveness of individualized training, and to facilitate communication among investigators and Animal Support personnel.

### 2. *Interactive On-line Tutorials for Teaching Clinical Neuroscience*

I have developed and continue to refine a series of tutorials and supplemental materials used to teach graduate students the fundamentals of Neuroscience with a strong emphasis on clinical application and strength-based intervention. Anatomy and nomenclature are presented in a manner approachable by novices, and the functional attributes and integrated relations among structures are illustrated through case studies and video examples. The final section of the class

(cortical function) uses components of these tutorial materials to construct a top-down conceptual understanding of functional performance in typical individuals and in those with developmental or acquired disability.

### 3. *Aids to Facilitate Scientific Communication*

I developed a set of three on-line computer tutorials to introduce graduate students to essential concepts necessary for effective scientific communication, and to provide more experienced users with a readily available reference tool. The tutorials are written in clear language, with integrated graphics to illustrate specific points. Practical hints and suggestions are provided throughout. Since being placed in the public domain in 1994 these materials have been used internationally by students, faculty, professional associations, non-profit organizations, and federal agencies. I continue to update and refine the content, and frequently am invited to provide instructional workshops on this topic. These tutorials may be accessed at:

<http://www.kumc.edu/SAH/OTEd/jradel/effective.html>

- *Formulating an oral presentation.* Provides guidance in producing an informative, streamlined, and focused oral presentation. Specific attention is given to presentation venues common for the novice and student; conferences, seminars, dissertations, and job interviews.
- *Designing effective visuals.* Provides guidance in the preparation of visual aids to be used in a scientific or academic presentation, with an emphasis on slide presentations.
- *Preparing a poster presentation.* Provides novices with guidance in the design, assembly, and presentation of scientific materials using a poster format.

### 4. *Program Evaluation materials*

A professional training program such as that offered by the Occupational Therapy Education Department is required to undergo periodic accreditation evaluations. A critical aspect of such an accreditation is documentation of the academic and practical skills acquired by the students in our entry-level program. I was responsible for developing a series of on-line surveys in an on-line format. One series is used by students for end-of-term evaluations of courses and faculty, a second series is used by students for self-reflection and evaluation of their performance during each of their 3-month long Level-II Fieldwork experiences, a third series is used by recent graduates and by their employers to evaluate the quality and utility of the academic content provided by our programs, and the fourth series evaluates the student's perspective on their practical experiences. The latter series were developed in concert with three other nationally recognized OT programs, resulting in a database that will inform the OT profession about practice of OT in community-based settings, and the role of evidence-based practice in these settings. The database for all four programs is hosted and managed at KUMC under my guidance.

### 5. *Robinson Scholarships – OT observation in India*

Dr. Mani Mani developed the Robinson Scholarship program to honor Dr. David Robinson. This program supports KUMC students to travel to Christian Medical College in Vellore, India each year to observe clinical practices in an international social and cultural setting. I have developed an Independent Study course (OCTH 680; 3 credit hours) as a framework to provide insight and guidance to these students as they visit the various OT clinics operated by CMC. I meet with the students regularly during the term prior to their departure to support their preparation for the experience. I then conduct weekly virtual discussions with the students while they are in India. When they return to Kansas City, the students undertake a series of reflection and practice assignments based on their observations. This approach has proven to be successful – the

students uniformly report the experience to be transformative and to greatly enrich their appreciation of the scope of OT practice.

## Research

### Funding:

#### Federal funding:

- "Tracking older adult's eye movements while reading"* 2002 - 2006  
S. Kemper (P.I.), J. McDowd & J. Radel (Co-invest)  
N.I.H. National Institute on Aging R-01 award (AG 18892)
- "Transplanted retinæ: Functional integration & efficacy"* 1994 - 1999  
J. Radel, P.I.  
N.I.H National Eye Institute R-29 (FIRST) award (EY 10603)
- "Retinal transplants: Formation of tectal connections"* 1987 - 1990  
J. Radel, P.I. (Sponsor: Raymond D. Lund, Ph.D.)  
N.I.H. National Eye Institute NRSA fellowship (EY 05962)

#### Other funding:

- "Feasibility of individualized physical activity and mindfulness programs in attenuating duration and severity of post-concussion symptoms."* J. Radel (P.I.), J. Pierce (co-I) and S. Billinger (co-I), Frontiers Heartland Institute for Clinical and Translational Research. 06/2016 - 05/2017
- "Magnetic resonance spectroscopy as an aid in evaluating post-concussion recovery"* 06/2014 - 05/2015  
M. Rippee, B. Semakula, and J. Radel (co-PIs), Frontiers Heartland Institute for Clinical and Translational Research.
- "Gait analysis following lower-extremity injury using smartphone technology"* 08/2013 - 07/2014  
M. Santos (P.I.) & J. Radel (Co-I & mentor), School of Health Professions
- "Evaluating an Investigative Device in Screening for Sports-related Concussions among Adolescents"* J. Radel (P.I.), M. Rippee & M. Moncure (Co-Investigators) Lied Basic Science Program 06/2012 - 05/2014
- "Characterization of Pupillary Responses to Assess Diabetic Autonomic neuropathy"* 06/2010 - 05/2011  
J. Radel (P.I.) Kansas Lion's Sight Foundation
- "Do dietary components influence the severity of oxygen-induced vascular pathology in newborn rat retina"* T. Raghuveer (P.I.) and J. Radel (Co-invest.) 03/2006 - 09/2008  
KUMC School of Medicine (bridging funds)
- "Collection and analysis of evoked potential response neurological assessment data in canines"* 12/2005 - 12/2006  
J. Radel (P.I.) IAMS Company (Procter & Gamble)
- "Factors contributing to severity of retinal vascular pathogenesis studied in animal models"* 04/2004 - 03/2005  
J. Radel (P.I.) and T. Raghuveer (Co-invest.) Kansas Lion's Sight Foundation
- "Influence of Altered DHA Level on Mature Brain Function"* 03/2003 - 02/2004  
J. Radel (P.I.), B. Levant and S. Carlson (Co-invest.) Lied Basic Science grant
- "Examining Visual Scanning in People with Schizophrenia: Implications for Daily Life."* 07/2001 - 06/2002  
M. Rempfer (P.I.) T. Brown, J. McDowd, J. Radel and D. Fillion (participating investigators)  
KUMC School of Allied Health (seed grant)
- "Development of a Video-based System for Tracking Eye Position"* 01/2001 - 12/2001  
J. Radel (P.I.), T. Brown, R. Cromwell, D. Fillion, E. Hamera, S. Kemper, J. McDowd, E. Penick, M. Rempfer, L. Richards, D. Richman, and W. Stiers (participating investigators)  
KUMC Research Office (Shared Biomedical Equipment Grant)

- "Effects of Pigment Epithelium-derived factor (PEDF) on photoreceptor differentiation and viability in retinal transplants" J. Radel (P.I.) KUMC School of Allied Health seed grant 07/1999 - 06/2000
- "Tracking Older Adults' Eye Movements while Reading" 01/1999 - 12/1999  
S. Kemper, J. Radel, & D. Filion (Co-investigators) KUMC Center on Aging and the C.D. Pepper Pilot Research Project
- "Quantification of eye movements to assess visual performance following rehabilitation training" 07/1996 - 06/1997  
J. Radel (P.I.), Diane Filion, and Yolanda Cate (co-investigators) KUMC School of Allied Health (seed grant)
- "The rodent retina as a model of neurodevelopmental anomalies induced by prenatal exposure to ethanol" J. Radel (P.I.) KUMC School of Allied Health (seed grant) 01/1994 - 12/1994
- "Co-transplantation of retinal pigment epithelial cells with neural retinae: Implications for photoreceptor survival" J. Radel (P.I.) KUMC School of Allied Health (seed grant) 01/1993 - 12/1993
- "Correlates of cochlea transplantation in the avian auditory system: Anatomy & physiology" 01/1993 - 12/1993  
M. Chertoff, J. Radel & D. Durham (Co-investigators) KUMC School of Allied Health (seed grant)

### Seminars (since joining the KUMC faculty)

- "Evidence-based strategies for managing concussions – Return to Learn Trumps Return to Play" 2013-2015  
KU Medical Center Grand Rounds: Neurology Psychiatry, Child Psychiatry, Nursing
- "Effects of Diets that Reduce Brain DHA on Retinal Development" 2005  
Clinical Nutrition Seminar "Docosahexaenoic Acid: A nutrient for optimal development of retina and brain." KUMC Dietetics & Nutrition Department.
- "Correlation of Altered Evoked Neural Activity at Maturity and Brain DHA Levels during Early Development: A Reversibility Study" 2003  
Maternal and Infant LCPUFA Workshop, annual meeting of American Oil Chemists' Society.
- "Access to Fatty Acids during Early Development Influences Mature Brain Function" 2002  
Graduate Neuroscience proseminar, KUMC/KU-Lawrence.
- "Food for Thought: Dietary Fatty Acid Intake During Development and Brain Activity at Maturity" 2002  
Dept. Cognitive Psychology proseminar, KU-Lawrence.
- "Food for Thought: Dietary Fatty Acid Intake During Development and Brain Activity at Maturity" 2002  
Institute for Child Development, KUMC.
- "Dietary Deficiency of Essential Fatty Acids During Development in Rats Influences Brain Function at Maturity" 2002  
Dept. Molecular & Integrative Physiology Research seminar series, KUMC
- "Relation of Structure and Function in the Visual System: Different approaches for gaining insight into neurodevelopment" 2002  
Dept. Occupational Therapy Education, graduate Research proseminar (OCTH 800), KUMC
- "Essential Fatty Acids and Early Brain Development" 2002  
Dept. Dietetics & Nutrition, graduate Research proseminar (DN817), KUMC
- "Food for Thought: Fatty acid intake during development and brain activity at maturity" 2002  
Institute for Child Development Research seminar series, KUMC
- "DHA Deficiency in Rats during Neurodevelopment and Functional Consequences after Maturity" 2002  
Workshop for Harmonization Infant Assessment, Kansas City, KS
- "Your Eyes, Your Thoughts, and Your Age – Insights from reading" 2001  
School of Allied Health Research Seminar series, KUMC
- "Cognition and Aging – Insights gained through analysis of eye movements" Center on Aging Research Seminar Series, KUMC
- "From Retina to Reading – A systems level approach to visual functions" 1998

- Dept. Psychology, KU-Lawrence.
- "Retinal transplants as models of neural development, integration, and function" 1995  
Neuroscience Program, Iowa State University, Ames, IA
- "Neural transplants, activity, and host behaviors: Enlightenment through the pupillary reflex" 1993  
Somatix Therapy Corp., R & D Division, Alameda, CA.
- "Neural transplantation as a tool for experimental neurobiology" 1993  
Department of Physiology, University of Kansas Medical Center.
- "Development and integration of transplanted retinæ with host brains" 1992  
Department of Anatomy & Cell Biology and Smith Mental Retardation Research Center,  
University of Kansas Medical Center.
- "Efficacy of neural transplantation: Functional interactions of the host visual system and transplanted retinæ" 1992  
Department of Neurobiology & Anatomy and Center for Visual Science, University of Rochester  
Medical School.

### Membership in Professional Societies

- Association for Research in Vision and Ophthalmology (ARVO) 1991 – present  
Society for Neuroscience 1982 – present

### Publications

#### Peer-reviewed articles:

Complete list of published peer-reviewed work in *MyBibliography*:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/jeffrey.radel.1/bibliography/47848085/public/?sort=date&direction=ascending>

1. Radel, J. D., & Yoon, M. G. (1985). Time-course of ultrastructural changes in regenerated optic fiber terminals of goldfish. *Brain Res*, 342(1), 168-171. doi: 0006-8993(85)91368-X [pii]
2. Craner, S. L., Radel, J. D., Jen, L. S., & Lund, R. D. (1989). Light-evoked cortical activity produced by illumination of intracranial retinal transplants: experimental studies in rats. *Exp Neurol*, 104(2), 93-100. doi: S0014-4886(89)80001-9 [pii]
3. Radel, J. D., Hankin, M. H., & Lund, R. D. (1990). Proximity as a factor in the innervation of host brain regions by retinal transplants. *J Comp Neurol*, 300(2), 211-229. doi: 10.1002/cne.903000206
4. Lund, R. D., Radel, J. D., & Coffey, P. J. (1991). The impact of intracerebral retinal transplants on types of behavior exhibited by host rats. *Trends Neurosci*, 14(8), 358-362. doi: 0166-2236(91)90163-O [pii]
5. Radel, J. D., Galli-Resta, L., & Lund, R. D. (1991). Plasticity in innervation of the rat superior colliculus by transplanted retinæ as a result of eye removal at maturity. *Exp Neurol*, 112(3), 252-263. PMID: 2029926
6. Radel, J. D., Kustra, D. J., & Lund, R. D. (1991). Rapid enhancement of transplant-mediated pupilloconstriction after elimination of competing host optic input. *Brain Res Dev Brain Res*, 60(2), 275-278. PMID: 1893570
7. Radel, J. D., Das, S., & Lund, R. D. (1992). Development of Light-activated Pupilloconstriction in Rats as Mediated by Normal and Transplanted Retinæ. *Eur J Neurosci*, 4(7), 603-615. doi: ejn\_04070603 [pii]
8. Banerjee, R., Lund, R. D., & Radel, J. D. (1993). Anatomical and functional consequences of induced rejection of intracranial retinal transplants. *Neuroscience*, 56(4), 939-953. doi: 0306-4522(93)90140-B [pii]
9. Radel, J. D., Kustra, D. J., Das, S., Elton, S., & Lund, R. D. (1995). The pupillary light response: assessment of function mediated by intracranial retinal transplants. *Neuroscience*, 68(3), 909-924. doi: 0306-4522(95)00192-L [pii]
10. Radel, J. D., Kustra, D. J., & Lund, R. D. (1995). The pupillary light response: functional and anatomical interaction among inputs to the pretectum from transplanted retinæ and host eyes. *Neuroscience*, 68(3), 893-907. doi: 0306-4522(95)00191-K [pii]
11. Hoover, F., Reese, J. S., Radel, J. D., Goldman, D., & Hankin, M. H. (1996). Opsin gene expression and regulation in retinal transplants. *Brain Res*, 718(1-2), 124-128. doi: 0006-8993(96)00085-6 [pii]



12. Kipp, D. E., Radel, J. D., & Hogue, J. A. (1996). The Internet and the nutritional scientist. *Am J Clin Nutr*, 64(4), 659-662. PMID: 8839518
13. Hoover, F., Hankin, M. H., Radel, J. D., Reese, J. S., & Goldman, D. (1997). Axon-target interactions maintain synaptic gene expression in retinae transplanted to intracranial regions of the rat. *Brain Res Mol Brain Res*, 51(1-2), 123-132. PMID: 9427514
14. LeVine, S. M., Radel, J. D., Sweat, J. A., & Wetzel, D. L. (1999). Microchemical analysis of retina layers in pigmented and albino rats by Fourier transform infrared microspectroscopy. *Biochim Biophys Acta*, 1473(2-3), 409-417. doi: S0304-4165(99)00195-6 [pii]
15. Bone-Larson, C., Basu, S., Radel, J. D., Liang, M., Perozek, T., Kaposta-Bruneau, N., . . . Hankin, M. H. (2000). Partial rescue of the ocular retardation phenotype by genetic modifiers. *J Neurobiol*, 42(2), 232-247. doi: 10.1002/(SICI)1097-4695(20000205)42:2<232::AID-NEU7>3.0.CO;2-4 [pii]
16. Homan, J. A., Radel, J. D., Wallace, D. D., Wetzel, D. L., & Levine, S. M. (2000). Chemical changes in the photoreceptor outer segments due to iron induced oxidative stress: analysis by Fourier transform infrared (FT-IR) microspectroscopy. *Cell Mol Biol*, 46(3), 663-672. PMID: 10872753
17. Haas, S.M., M.G. Frei, I. Osario, B. Pasik-Duncan and J. D. Radel (2003) EEG Ocular Artifact Removal Through ARMAX Model System Identification Using Extended Least Squares. *Communication of Information and Systems*, 3:19-40.
18. Humphrey, H. E., Kemper, S., & Radel, J. D. (2004). The time course of metonymic language text processing by older and younger adults. *Exp Aging Res*, 30(1), 75-94. doi: 3508NX33W24MHWAX [pii] 10.1080/03610730490251496
19. Levant, B., Radel, J. D., & Carlson, S. E. (2004). Decreased brain docosahexaenoic acid during development alters dopamine-related behaviors in adult rats that are differentially affected by dietary remediation. *Behav Brain Res*, 152(1), 49-57. doi: 10.1016/j.bbr.2003.09.029 S0166432803003504 [pii]
20. Levant, B., Radel, J. D., & Carlson, S. E. (2006). Reduced brain DHA content after a single reproductive cycle in female rats fed a diet deficient in N-3 polyunsaturated fatty acids. *Biol Psychiatry*, 60(9), 987-990. doi: S0006-3223(06)00050-3 [pii] 10.1016/j.biopsych.2005.12.013
21. Dancause, N., Taylor, M. D., Plautz, E. J., Radel, J. D., Whittaker, T., Nudo, R. J., & Feldman, A. G. (2007). A stretch reflex in extraocular muscles of species purportedly lacking muscle spindles. *Exp Brain Res*, 180(1), 15-21. doi: 10.1007/s00221-006-0833-8
22. Ahmad, S.O., J-H. Park, J.D. Radel, and B. Levant (2008) Reduced numbers of Dopamine neurons in the substantia nigra pars compacta and ventral tegmental area of rats fed an n-3 polyunsaturated fatty acid-deficient diet: A stereological study. *Neurosci Lett.*, 438:303:307. doi:10.1016/j.neulet.2008.04.073
23. Döpp, C.M.E., E.M.J. Steultjens, and J. Radel (2009) Evidence-based practice among Dutch Occupational Therapists: Barriers, Perceptions, and Use of Resources. *Wetenschappelijk tijdschrift voor Ergotherapie*, 3: 7-13.
24. Döpp C.M.E., Steultjens E.M.J, & Radel J. (2010) Evidence-Based Practice: Hoe de kwaliteit van ergotherapie in Nederland vergroot kan worden [*Evidence-Based Practice: How we can increase the quality of occupational therapy in the Netherlands*]. *Wetenschappelijk tijdschrift voor Ergotherapie*, 4:23-26.
25. Wu, A.J., J. Radel, and B. Hanna-Pladdy (2011) Improved Function after Combined Physical and Mental Practice Following Stroke: A Case of Hemiparesis and Apraxia. *Amer. J. Occupational Therapy*, 65(1): 161-168.
26. Burgard, E., L. Foster, L. Kraus, and J. Radel (2011) Performing Single Subject Research Designs in Practice. *OT Practice*, 16(13), 21-24.
27. O'Bryhim, B.E., J. Radel, S.J. Macdonald, and R.C. Symons (2012) The genetic control of avascular area in mouse oxygen-induced retinopathy. *Mol. Vision*, 18:377-89.
28. Döpp, C., E. Steultjens, and J. Radel (2012) A Survey of Evidence-Based Practice among Dutch Occupational Therapists. *Occupational Therapy International*, 19(1):17-27.
29. Spangler, N., J. Koesten, M. Fox, and J. Radel. Employer thoughts on stress and resilience intervention. *J. Occupational and Environmental Medicine*, 54(11):1421-9.
30. Weigel K.J., L. Rues, E.J. Doyle, C.L. Buchheit, J.G. Wood, R.J. Gallagher, L.E. Kelly, J.D. Radel, K.A. Bradley, and S.M. LeVine (2012) Anthrax Lethal Toxin Induces Rapid Vascular Changes in Congenic Mice Containing an Introgressed Segment of Chromosome 11 from the CAST/Ei strain on a C57BL/6 genetic background. *PLoS One*, 7(7; e40126): 1-11.

31. Aljitawi OS, Y. Xiao, J.D. Eskew, N.K. Parelkar, M. Swink M, J. Radel, T.L. Lin, B.F. Kimler, J.D. Mahnken, J.P. McGuirk, H.E. Broxmeyer, G. Vielhauer (2013) Hyperbaric oxygen improves engraftment of ex-vivo expanded and gene transduced human CD34+ cells in a murine model of umbilical cord blood transplantation. *Blood Cells Mol Dis.* Aug 13. doi:pii: S1079-9796(13)00164-2. 10.1016/j.bcmd.2013.07.013.
32. Vavilala, D.T., B.E. O'Bryhim, V.K.C. Ponnaluri R.S. White, J. Radel, R.C.A. Symons, and M. Mukherji (2013) Honokiol Inhibits Pathological Retinal Neovascularization in Oxygen-Induced Retinopathy Mouse Model. *Biochem. Biophysical Res. Comm.* 2013 Sep 6;438(4):697-702. doi: 10.1016/j.bbrc.2013.07.118. Epub 2013 Aug 3
33. Wu, A. J., Burgard, E., & Radel, J. (2014). Inpatient Rehabilitation Outcome of Patients with Apraxia After Stroke. *Top Stroke Rehabil*, 21(3), 211-219. doi: 10.1310/tsr2103-211
34. Han, A, Radel J. (2015) Spousal Caregiver Perspectives on a Person-Centered Social Program for Partners With Dementia. *Am J Alzheimers Dis Other Demen.* Dec 24. pii: 1533317515619036. PMID:26705379
35. Jones, S.S. and Radel, J. (2015) Caregivers' Perceptions Of Burden When Providing Care To Loved Ones With Chronic Neurologic Health Conditions. *ECHO: J. Nat'l. Black Assoc. Speech-Language Hearing.* 10(2), 29-40.
36. Han, A., Radel, J., McDowd, J.M., & Sabata, D. (2015) Perspectives of People with Dementia about Meaningful Activities: A synthesis. *Amer. J. Alzheimer's Dis. and Other Dementias.* Sept 03. pii: 1533317515598857. PMID:26340962.
37. McDonald, T., Burghart, M.A., Moncure, M., Nazir, N., and Radel, J. Under-Reporting of Concussions and Concussion-like Symptoms in Female High School Athletes. *J. Trauma Nursing* (Accepted May 2016)

*Under review:*

- Jones, S. & Radel, J. Understanding Health Literacy: A Review of the Literature. *Echo - National Black Speech Language Hearing*
- Burghart, M., Craig, J., Radel, J., & Huisinga, J. Reliability and validity of a mobile device application for use in postural control assessment. *Current Research: Concussion.*

**Published abstracts & posters:**

1. Radel, J.D. and M.G. Yoon. (1982) Ultrastructural studies on the time course of invasion and synaptogenesis by regenerating optic fibers in the optic tectum of adult goldfish. *Society for Neuroscience Abstracts*, 8:453.
2. Radel, J.D. and M.G. Yoon. (1984) Long-lasting changes in vesicle distribution within regenerated optic fiber terminals of goldfish. *Society for Neuroscience Abstracts*, 10:466.
3. Radel, J.D. and M.G. Yoon. (1986) Dorsoventral extension of the optic fiber termination zone in the rostral hemitectum after excision of the caudal portion in goldfish. *Society for Neuroscience Abstracts*, 12:113.
4. Radel, J.D., L. Galli and R.D. Lund. (1987) Plasticity of innervation of superior colliculus by retinal transplants. *Society for Neuroscience Abstracts*, 13:1597.
5. Craner, S.L., J.D. Radel and R.D. Lund (1988) Cortical activity can be elicited by light stimulation of retinal transplants. *Society for Neuroscience Abstracts*, 14:1277.
6. Radel, J.D., K. Klassen and R.D. Lund (1988) Transplant and host inputs interact to drive pupillary reflex. *Society for Neuroscience Abstracts*, 14:1277.
7. Radel, J.D., H. Klassen and R.D. Lund. (1989) Functional interactions of transplant and host retinal inputs: The pupillary reflex. *Restor. Neurol. Neurosci.* 30 (Suppl.): 30.
8. Radel, J.D., M.H. Hankin and R.D. Lund (1989) Selectivity of connections made by retinal transplants. *Society for Neuroscience Abstracts*, 15:1337.
9. Radel, J.D., R.D. Lund and S. Das. (1990) Transplanted retinae: Assessment of functional interactions with host optic input and sensitivity to illumination. *Society for Neuroscience Abstracts*, 16:965.
10. Lund, R.D., J.D. Radel and S. Das. (1990) Development of the light-activated pupillary response in rats, as mediated by optic input from normal or transplanted retinae. *Society for Neuroscience Abstracts*, 16:656.
11. Rao, K., J.D. Radel and R.D. Lund. (1990) MHC antigen expression in the rat retina following intracranial optic nerve section. *Society for Neuroscience Abstracts*, 16:1165.
12. Radel, J.D. and R.D. Lund. (1991) Quantification of light-activated pupilloconstriction in rats, mediated by intracranially transplanted retinae. *Invest. Res. Vision Ophthalmol.*, 32:983.

13. Radel, J.D., D.J. Kustra and R.D. Lund (1991) Optic inputs to the olivary pretectal nucleus from host and transplanted retinae: Segregation, convergence and implications for behavior. *Society for Neuroscience Abstracts*, **17**:1138.
14. Banerjee, R., J.D. Radel and R.D. Lund (1991) Host pupilloconstriction is lost with induced rejection of retinal transplants. *Society for Neuroscience Abstracts*, **17**:1137.
15. Radel, J.D., F. Hoover, D. Goldman and M. Hankin (1992) Systematic expression of cell-type specific neural genes in developing and mature transplanted retinae. *Society for Neuroscience Abstracts*, **18**:1123.
16. Radel, J.D. (1996) Contribution of sympathetic tone to the pupillary light reflex mediated through normal and transplanted retinae. *Society for Neuroscience Abstracts*, **22**:320.
17. Hankin, M.H., C. Bone-Larson, S. Basu, J.D. Radel, D. Green and M. Burmeister (1996) Genetic background affects the ocular retardation phenotype. *Society for Neuroscience Abstracts*, **22**:1202.
18. Radel, J.D. (1997) Anatomic features of aged retinae which matured following transplantation to intracranial locations. *Society for Neuroscience Abstracts*, **23**:348.
19. LeVine, SM, Radel, JD and Wetzel, DL (1999) FT-IR microspectroscopic examination of the rat retina. *Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy*, 50th meeting, #790.
20. Mitzner, T.L., J.D. Radel, D. Fillion, and S. Kemper (1999) Aging and contextual constraint: Evidence from eye movements. *Society for Psychophysiological Research*, **36** (Supp).
21. Radel, JD, JA Homan, DD Wallace, DL Wetzel, SM LeVine (2000) Chemical Changes in Photoreceptor Outer segments due to Iron-induced Oxidative Stress: Analysis by Fourier Transform Infrared (FT-IR) Microspectroscopy. *Invest. Res. Vision Ophthalmol.*, **41**(4): S23.
22. Mitzner, T.L., J.D. Radel, D. Fillion, and S. Kemper (2000) Effects of contextual constraint on young and older adult's eye movements during reading. *Cognitive Aging* (conference proceedings, pg.95; Atlanta, GA).
23. Bogener, J., J.D. Radel, J-P. Zhao, J.B. Gaines, and S.E. Carlson (2001) Effect of a Diet Deficient in  $\alpha$ -Linolenic Acid on Adult Rat Visual Evoked Potentials. *Lipids* **36**.
24. LeVine, S.M., J.D. Radel, and D.L. Wetzel (2001) Analysis of *In Situ* Chemical Constituents of the Retina by Fourier Transform Infrared Microspectroscopy. *Lipids* **36**.
25. Radel, J.D., Bogener, J., J-P. Zhao, J.B. Gaines, and S.E. Carlson (2001) Effect of a Diet Deficient in  $\alpha$ -Linolenic Acid During Development on Adult Rat Visual Evoked Potentials. *Invest. Res. Vision Ophthalmol.*, **42**: S386.
26. Radel, J.D., B. Levant, K. McCarter and S.E. Carlson (2002) Effects of Developmental DHA Deficiency and Remediation upon Evoked Brain Activity at Maturity in Rats (2002) Program No. 106.5. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. Online.
27. Levant, B., J.D. Radel, K. Grasing, T.L. Richards, and S.E. Carlson (2002) Effects of Developmental DHA Deficiency and Remediation on Adult Behavior in Rats. Program No.106.5 2002 Abstracts Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. Online.
28. Radel, J.D., B. Levant, K. McCarter and S.E. Carlson (2003) Effects of Developmental DHA Deficiency and Remediation upon Evoked Brain Activity at Maturity in Rats. Kansas City Life Sciences Research Day, p. 68.
29. Levant, B., J.D. Radel, K. Grasing, T.L. Richards, and S.E. Carlson (2003) Effects of Developmental DHA Deficiency and Remediation on Adult Behavior in Rats. Kansas City Life Sciences Research Day, p. 62.
30. Carlson, S.E., JD Radel, B. Levant, K.N. Kannass and J. Colombo (2003) Maternal Long Chain Fatty Acid Metabolism and Nutrition: Influences on Pregnancy Outcome and Neonatal Development. Mother and Infant Conference: Perinatal Influences on Health (symposium), p. 25.
31. Nunes, JV, DV Kagan, LL Cregler, and JD Radel (2004) Developing a Curriculum to Build Professionalism Skills while Integration Information Technology. *J. Assoc. Academic Minority Physicians*, **15**:19.
32. Levant, B., JD Radel, and SE Carlson (2004) Reduced Brain DHA Content after a Single Reproductive Cycle in Female Rats on a Diet Deficient in  $\alpha$ -Linolenic Acid. Program No.570.14. 2004 Abstracts Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience. CD-ROM.
33. Radel, J.D., T. Raghuvver, and P. Mahtosh (2004) Oxygen-induced Vascular Pathology Influenced by Dietary n-3 Fatty Acids in Neonatal Rat Retina. Brain Uptake and Utilization of Fatty Acids, Lipids, and Lipoproteins: Applications to Neurological Disorders. Washington, D.C.

34. Miller, CC., B. Levant, JD Radel, and SE Carlson (2004) Decreased Brain DHA during Development alters Sucrose Drinking in Adult Male Rats. Brain Uptake and Utilization of Fatty Acids, Lipids, and Lipoproteins: Applications to Neurological Disorders. Washington, D.C.
35. Levant, B, JD Radel, and SE Carlson (2004) Reduced Brain DHA Content after a Single Reproductive Cycle in Female Rats on a Diet Deficient in  $\alpha$ -Linolenic Acid. Brain Uptake and Utilization of Fatty Acids, Lipids, and Lipoproteins: Applications to Neurological Disorders. Washington, D.C.
36. Radel, J.D., T. Raghuv eer, and P. Mahtosh. (2005) Oxygen-induced Vascular Pathology and Dietary n-3 Fatty Acids in Developing Retina. *Invest. Ophthalmol. Vis. Sci.* 46: E-Abstract 4123.
37. Radel, J.D., P. Mahtosh, and T. Raghuv eer (2005) Dietary n-3 Fatty Acids Oxygen-induced Vascular Pathology as a Model for Retinopathy of Prematurity. *Pediatric Academic Societies E-PAS2005:547*.
38. Levant, Beth, Jeffrey D. Radel and Susan E. Carlson (2005) Reduced Brain Docosahexaenoic Acid Content After a Single Reproductive Cycle in Female Rats Maintained on a Diet Deficient in n-3 Polyunsaturated Fatty Acids. *Neuropsychopharmacology* 31(1): 22.
39. Radel, J.D., S.E. Carlson, and B. Levant (2005) Transmitter receptor binding in cortex altered by availability of dietary fatty acids during development. Program No. 956.11. 2005 Abstract Viewer/Itinerary Planner, Washington, DC: Society for Neuroscience, 2005. Online.
40. Taylor, M.D., N. Dancause, A.G. Feldman, J.D. Radel, D.E. Wright, and R.J. Nudo. (2005) Sensory receptors of the extraocular muscles in the squirrel monkey. Program No. 744.17. 2005 Abstract Viewer/Itinerary Planner, Washington, DC: Society for Neuroscience, 2005. Online.
41. Raghuv eer, T. and J. Radel (2005) Do dietary omega-3 fatty acids and iron influence severity of oxygen-induced retinopathy in neonatal rat pups. *Society for Free Radical Biology and Medicine*; 12<sup>th</sup> annual meeting; session 12.
42. Raghuv eer, T. and J. Radel (2006) Do dietary omega-3 fatty acids and iron influence severity of oxygen-induced retinopathy in neonatal rat pups? *Pediatric Academic Societies E-PAS2006:3602.475*.
43. Raghuv eer, T., J. Radel, G. Blanco, M. Traber, M. Reddy, and J. Roberts (2007) The Impact of DHA and iron on retinal vitamin E, neuroprostanes, and  $\text{Na}^+$ - $\text{K}^+$  ATPase in a rat model of ROP. *Pediatric Academic Societies E-PAS2007:8440.2*.
44. Ahmad, S.O., J. Radel, and B. Levant (2008) Reduced numbers of dopamine neurons in the substantia nigra pars compacta and ventral tegmental area of rats fed an n-3 polyunsaturated fatty acid-deficient diet. Program No. 122.10. 2008 Abstract Viewer/Itinerary Planner, Washington, DC: Society for Neuroscience, 2008. Online.
45. Döpp, C.M.E., E.M.J. Steultjens, and J. Radel. Factors Influencing Evidence-Based Practice: An International Perspective. Program # RWP 466.2009, *American Occupational Therapy Association Annual Conference & Expo*, p. 200.
46. O'Bryhim, B.E., H. Niu, J.D. Radel, and R.C. Symons. The BALB/cByJ tyrosinase allele is linked to resistance to vaso-obliteration in the oxygen-induced retinopathy model. Tracking number: 10-A-2115-ARVO, *Association for Research in Vision and Ophthalmology* annual meeting, Spring 2010.
47. Aljitawi, O.S., J. Radel, B. Kimler, J. Eskew, N. Parelkar, M. Swink, R. Garimella, L. Dong, J.P. McGuirk, and G. Vielhauer. The Novel Use of Hyperbaric Oxygen Therapy to Improve Umbilical Cord Blood Stem Cell Engraftment in Irradiated NOD/SCID Mice: What Did We Learn? Abstract# 37434, *Amer. Soc. Hematology* annual meeting, 2011.
48. Aljitawi, O.S., X. Yinghua, J. Eskew, N. Parelkar, M. Swink, J. Radel, J.P. McGuirk, H.E. Broxmeyer<sup>4</sup> and G. Vielhauer. Hyperbaric oxygen therapy might alter umbilical cord blood engraftment kinetics post-transplant. *Int'l. Cord Blood Symp.*, 2012.
49. Wu, A. J. & Radel, J. (2013). Rehabilitation outcome following acute stroke: Considering ideomotor apraxia. American Occupational Therapy Association Annual Conference & Expo, San Diego, CA. April 26, 1013; Session RWP 4005.
50. Burghart, M., J. Taylor and J. Radel (2013) Sideline screening for Balance and Neurocognition – There's an app for that... Sports Neuropsychology Society annual meeting, Minneapolis, MN.
51. Burghart, M., J. Taylor and J. Radel (2013) Sideline screening for Balance and Neurocognition – There's an app for that... Kansas University Center for Technology Commercialization Innovation Fair, Lawrence, KS.
52. Aljitawi, O.S., Y. Xiao, J.D. Eskew, N.K. Parelkar, M. Swink, J. Radel, T.L. Lin, J.D. Mahnken, J.P.

- McGuirk, G. Vielhauer, H.E. Broxmeyer, and B.F. Kimler (2014) Engraftment of human umbilical cord blood cells in mice following total body irradiation is enhanced by hyperbaric oxygen. Radiation Res. Soc. 60th Annual Meeting, Las Vegas, NV.
53. Craig, J., Radel, J., Bruetsch, A., Burghart, M., Huisinga, J. (2015) Validating the use of a smartphone to measure postural control of healthy subjects during standing. *International Society for Posture & Gait Research 2015 World Congress*, Seville, Spain.
54. Burghart, M., Craig, J., Radel, J., & Huisinga, J. (2016) Validation of a mobile device application for use in balance assessment. Proceedings of the *American Occupational Therapy Association*, Chicago, IL.
55. Burghart, M., Craig, J., Radel, J., Wu, A., & Huisinga, J. (2016). Sway: A novel approach for simple reaction time measurement. Proceedings of the *American Occupational Therapy Association*, Chicago, IL.
56. Burghart, M., McDonald, T., Moncure, M., Nazir, N. and Radel, J. (2016) Under-Reporting of Concussions and Concussion-like Symptoms in Female High School Athletes. *Int'l Summit of Female Concussion and TBI*, Washington, D.C.
57. Jaber, A., Hartwel, J. & Radel, J. (2017). A Systematic Review of Interventions Used to Address the Needs of Adults with Post-Concussion Syndrome. Poster session accepted for presentation in the 100th Annual Conference of the American Occupational Therapy Association (AOTA); March 30 – April 2, Philadelphia, PA.
58. Jaber, A., Sabata, D. & Radel, J. (2017). Perceived Strengths and Needs after Rehabilitation in Community-Dwelling Adults with Chronic Stroke. Poster session accepted for presentation in the 100th Annual Conference of the American Occupational Therapy Association (AOTA); March 30 – April 2, Philadelphia, PA.

### Student Research

Graduate faculty, School of Health Professions, KUMC	1993 – present
Graduate faculty, School of Medicine, KUMC	1995 – present
Graduate faculty, KU-Lawrence	1998 – present

### Master's Thesis committee member:

#### *Completed*

1994	Stephanie Dustman, M.S., OTR, Dept. Occup. Therapy Ed., KUMC
1995	Barb Kemmis, M.S., Dept. Occup. Therapy Ed., KUMC
	Mary Kientz, M.S., Dept. Occup. Therapy Ed., KUMC
1996	Teresa Franzen, Dept. Occup. Therapy Ed., KUMC
	Donna Bennett, Dept. Occup. Therapy Ed., KUMC
	Kelly Long, Dept. Occup. Therapy Ed., KUMC
1998	Yolanda Cate, Dept. Occup. Therapy Ed., KUMC
	Christine Wise, Dept. Occup. Therapy Ed., KUMC
	Kelly Humpherys, Dept. Mol. & Integ. Physiology, KUMC
2001	Heather Humphrey, Dept. Exp. Psychology, KU-Lawrence
	Chiung-ju Liu, Dept. Occup. Therapy Ed., KUMC
2007	Becky Bothwell, Dept. Psychology, KU-Lawrence
2008	Natalie Brown, Dept. Occup. Therapy Ed., KUMC
2009	Carola Döpp* ( <i>MS in OT with Honors</i> ), Dept. Occup. Therapy Ed., KUMC
2010	Ala'a Jaber, Dept. Occup. Therapy Ed., KUMC
	Noor Ismael, Dept. Occup. Therapy Ed., KUMC
	Areum Han, Dept. Occup. Therapy Ed., KUMC

#### *In Progress:*

---

\* Chair

### Dissertation committee member:

*Completed*

- 1998 Brian McKiernan, Dept. Mol. & Integ. Physiology, KUMC  
 2000 Elena Zoubina, Dept. Mol. & Integ. Physiology, KUMC  
 2001 Jena Steinle, Dept. Mol. & Integ. Physiology, KUMC  
 Adam Buhman-Wiggs, Dept. Clinical Psychology, KU-Lawrence  
 Tracy Mitzner, Dept. Exp. Psychology, KU-Lawrence  
 2002 Michael Park, Dept. Mol. & Integ. Physiology, KUMC  
 Kathleen Friel, Dept. Mol. & Integ. Physiology, KUMC  
 2003 Don Warn, Dept. Mol. & Integ. Physiology, KUMC  
 2005 Numa Dancause, Dept. Mol. & Integ. Physiology, KUMC  
 2005 Seok Hun Kim, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 2006 Emmanuel John, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 Kevin McIntire, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 Mukul Mukherjee, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 2008 Jeannine Goetz\*, Dept. Occup. Therapy, KUMC  
 Catherine Siengsukon, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 Eric Vidoni, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 2009 Ben Tseng, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 Kendra Gagnon, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 2010 Ji-Hyuk Park, Dept. Occup. Therapy, KUMC  
 Nancy Spangler\*, Dept. Occup. Therapy, KUMC  
 2012 David Guggenmos, Dept. Mol. & Integ. Physiology, KUMC  
 2013 Andy Wu\*, Dept. Occup. Therapy, KUMC  
 Alham Al-Sharman, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 Bliss O'Bryhim\*\*, Dept. Mol. & Integ. Physiology, KUMC  
 2015 Jordan Taylor, Dept. Physical Therapy and Rehab. Sciences, KUMC  
 Areum Han\*, Dept. Occup. Therapy Ed., KUMC  
 Shatonda Jones\*, Dept. Occup. Therapy Ed., KUMC  
 2016 Mayis Aldughmi, Dept. Physical Therapy and Rehab. Sciences, KUMC

\* Chair

\*\* co-Chair

*In progress:*

- Tim Hornik\*, Dept. Occup. Therapy Ed., KUMC  
 Vanessa Dudley Miller\*, Dept. Occup. Therapy Ed., KUMC  
 Ala'a Jaber\*, Dept. Occup. Therapy Ed., KUMC

Comprehensive Exam committee member:

- 1994 Lynette Sheffield, Dept. Anatomy, KUMC  
 Kelly Humpherys, Dept. Physiology, KUMC  
 1995 Don Warn, Dept. Mol. & Integ. Physiology, KUMC  
 1997 Katherine Friel, Dept. Mol. & Integ. Physiology, KUMC  
 Leigh Raymond, Dept. Mol. & Integ. Physiology, KUMC  
 1999 Jenna Steinle, Dept. Mol. & Integ. Physiology, KUMC  
 Elena Zoubina, Dept. Mol. & Integ. Physiology, KUMC  
 2002 Numa Dancause, Dept. Mol. & Integ. Physiology, KUMC  
 2005 Kevin McIntire, Dept. Physical Therapy & Rehab. Sciences, KUMC  
 Mukul Mukherjee, Dept. Physical Therapy & Rehab. Sciences, KUMC  
 Catherine Siengsukon, Dept. Physical Therapy & Rehab. Sciences, KUMC

2006	Ben Tseng, Dept. Physical Therapy and Rehab. Sciences, KUMC Kendra Gagnon, Dept. Physical Therapy and Rehab. Sciences, KUMC
2007	Ji-Hyuk Park, Dept. Occup. Therapy Education, KUMC Jeannine Goetz, Dept. Occup. Therapy Education, KUMC
2008	Nancy Spangler*, Dept. Occup. Therapy Education, KUMC
2009	Andy Wu*, Dept. Occup. Therapy, KUMC David Guggenmos, Dept. Mol. & Integ. Physiology, KUMC
2010	Bliss O'Bryhim, Dept. Mol. & Integ. Physiology, KUMC Bryan Bond, Dept. Physical Therapy and Rehab. Sciences, KUMC
2011	Charles Romero*, Dept. Occup. Therapy Ed., KUMC Shatonda Jones*, Dept. Occup. Therapy Ed., KUMC Alham Al-Sharma, Dept. Physical Therapy and Rehab. Sciences, KUMC
2013	Areum Han*, Dept. Occup. Therapy Ed., KUMC
2014	Mark Burghart*, Dept. Occup. Therapy Ed., KUMC Ala'a Jaber*, Dept. Occup. Therapy Ed., KUMC Vanessa Dudley Miller*, Dept. Occup. Therapy Ed., KUMC Mayis Aldughmi, Dept. Physical Therapy and Rehab. Sciences, KUMC
2015	Lauren Baranowski, Dept. Hearing & Speech, KUMC Tim Hornik*, Dept. Occup. Therapy Ed., KUMC Ahmad Bakeer*, Dept. Occup. Therapy Ed., KUMC
2016	David Heller, Dept. Physical Therapy and Rehab. Sciences, KUMC

\* mentor

## Service

### Service on committees:

#### University

2016	Faculty Grievance Review committee (Chair) Military & Veterans Affairs Advisory Committee Executive Student Affairs Committee Health Education Building Infrastructure & Support Committee FACT Implementation Workgroup (SHP sponsor)
2014	Faculty Grievance Review committee (Chair) Faculty Assembly Steering Committee (SHP representative)
2013 – present	Robinson Scholarship Award committee Laboratory Animal Resources Advisory Committee
2013	Fac. Assembly Steering Committee's <i>ad hoc</i> committee on Post-Tenure Review
2012 – present	Research program director, Center for Concussion Management, KU Hospital Reviewer for Research Institute's internal funding programs (annually)
2010 – 2013	Institutional Animal Care and Use Committee (alternate member)
2010	Faculty Assembly Research Committee – School of Allied Health representative
2009 – 2012	Faculty Assembly – Faculty Concerns (Chair 2009 & 2010)
2009	Faculty Grievance Review committee (Chair)
2008 – 2009	KUMC Budgetary Advisory Committee
2003 – present	Graduate Council
2003 – 2010	Laboratory Animal Resources Advisory Committee
2002 – 2010	Institutional Animal Care and Use Committee
2003 – 2005	Faculty Assembly Steering Committee (elected member; Chair 2004)

	Faculty Assembly representative to Kansas Board of Regents
2003 – 2004	KU-Research Institute Research Committee (Chair)
1998 – 2004	KU Research Institute Board member
1998 – 2002	KUMC Research Compliance Committee, Basic Science Ombudsman
1994 – 1998	Institutional Animal Care and Use Committee (Chair 1996-1998)
1993 – present	Graduate Faculty of KU/KUMC

*School of Health Professions*

2016	Research Committee, <i>ad hoc</i> reviewer
2013 - 2017	Steering Committee (elected member; Chair 2014-2015)
2010 – present	Appointment, Promotions & Tenure committee (Chair 2015-2106)
2009 – 2012	Research Committee
2002 – 2009	Appointment, Promotions & Tenure committee (Chair 2006-2009)
2002	School of Allied Health Dean's Performance Review committee
2000 – 2003	Steering committee (elected member; Chair 2001-2003)
2000 – 2004	Interdisciplinary Collaboration committee
1997 – 1998	Steering committee
1996 – 1998	Academic Affairs committee (Chair 1997-1998)
1995 – present	Committee on Computer Information
1993	Task Force on Teaching Titles

*Department of Occupational Therapy Education*

2013	Student Reinstatement Review Committee MOT class advisor (2013-16)
2010	Student Reinstatement Review Committee MOT class advisor (2010-13)
2007 – present	Program manager for Admissions, Therapeutic Science program
2003 – present	Director of Graduate Studies
2000 – 2003	Curriculum Committee
1999 – present	Program Evaluation Committee (Chair)
1994 – 1999	Curriculum Committee

*Other*

2016	Judge, Kansas City STEM student competition
2015	Save A Warrior – Univ. Kansas Hospital Collaborative Research Committee
2014 - present	Kansas City Frontiers & Clinical Pilot Research reviewer (annually) Volunteer instructor (Shodan rank, ISKF), C.H.A.M.P.S. American Karate
2006 – present	Center of Excellence expert review panel, Rehabilitation Research and Development Service, Department of Veterans Affairs (reviewer)
2010	Textbook Review “The Ultimate Guide to Presenting Science” (Elsevier)
1994 – present	Judge, KUMC Student Research forum

~~~~~