

# Syed Omar Ahmad, OTD, Ph.D., OTR/L

E-Mail: omarotr@hotmail.com

## **Education:**

- 1995 Bachelor of Science in Occupational Therapy  
Department of Occupational Therapy  
Washington University, St. Louis, Missouri
- 2000 Doctor of Occupational Therapy (Summa Cum Laude)  
Department of Occupational Therapy  
Creighton University, Omaha, Nebraska
- 2002 Doctor of Philosophy, Neuroanatomy with an Emphasis on Neuropharmacology  
Warnborough College, Ireland
- 2003 Certificate, Stereology Resource Center, New Orleans, Louisiana

## **Employment History:**

- May 2018-Present The Virginia Gore Neuro-Occupation Lab, LLC. Principle Investigator and CEO. Providing consulting, scientific and Neuro-Stereology services on a contract basis, May 21-Aug 19<sup>th</sup>.
- July 2011-Present Saint Louis University, Tenured Full Professor of Occupational Therapy and Occupational Sciences, Core Faculty in the Center for Neuroscience. Principle Investigator in the Virginia Gore Neuro-Occupation Lab 2011-2017. Associate Dean for Research in the Doisy School of Health Sciences 2011-2013, Associate Dean for Graduate Education (Interim) 2012-2013. Duties performed from Aug 20<sup>th</sup>-May 20<sup>th</sup>.
- June 2004-June2011 University of Kansas Medical Center, Program Manager, Assistant Professor, Promoted to Associate Professor with Tenure (Clinical practice in orthotics, splinting, CIT, pediatrics and neurorehabilitation). 2011-Present, Adjunct Faculty
- January 2004-June 2006 Rocky Mountain University, Associate Professor, Graduate Program Director, DSc Clinical Neuroscience (Part-time)

January 2003- June 2004 University of Texas at El Paso, Assistant Professor (Clinical practice in burn therapy, acute care, and pediatrics)

June 2000- January 2003 Creighton University, Assistant Professor (Clinical practice in psychosocial OT, substance abuse, burn therapy and inpatient rehabilitation)

May 1997- June 1998 Washington University School of Medicine Program in Occupational Therapy, Clinical Faculty, Teaching assistant

May 1995-June 2000 Barnes-Jewish Hospital (and Barnes-Jewish Hospital West County), Clinical Faculty, Management (Clinical practice in rehabilitation, acute care, neurorehabilitation, burn therapy, acute psychiatry, orthotics, hand therapy and orthopedics)

May 1997- June 2000 Therapeutic Specialties, Inc. Partner, Senior Consultant (Faculty Practice)

**Professional Membership:**

1995-present American Occupational Therapy Association, #00052600

2007-present International Society for Stereology

1999-present Society for Neuroscience, #100039253

1995-present National Board for Certification in Occupational Therapy, #1006207

2000-2008 Licensed Occupational Therapist, License #820 (Nebraska)

2007-2016 Licensed Occupational Therapist, License #17-02445 (Kansas)

1995-2001,  
2011-present Licensed Occupational Therapist, License #2016005750 (Missouri)

**Honors:**

2015 Doisy College of Health Sciences Excellence in Scholarly Endeavors

2014 Alpha Eta Society (International Society for Scholarship in Allied Health)

2012-Present Scientific Reviewer for Elsevier Scientific Journals

2010-Present Scientific reviewer for Aging Research Reviews, Neurobiology of Disease

2011 Stata Norton Award for Teaching Excellence (KUMC)

2008 Editorial Review Group Chair, Occupational Therapy (Doody Publishing)

2004-Present Ad Hoc Reviewer for Stereology (Elsevier Science. Reviewed for Neuroscience, Neuroscience Letters)



Jaegers LA, Matthieu M, Vaughn MG, Werth P, Katz IM, **Ahmad SO**. (2019, publish ahead of print). Posttraumatic stress disorder and job burnout among jail officers. *Journal of Occupational and Environmental Medicine*. doi: 10.1097/JOM.0000000000001600

Alicia Flach; Lisa Jaegers, Mary Krieger, Emily Bixler, Patrick Kelly, Edward P. Weiss, **S. Ahmad** (2017). -analysis. *Neuroscience Letters*: 659, 115-119.

Royeen, C. B., Basic, J. R., Dvorak, L., Provasnik-O'Brien, C., Sethi, C., **Ahmad, S. O.** (2016). Neuroscience Literacy: "Brain Tells" as Signals of Brain Dysfunction Affecting Daily Life. *Journal of Allied Health*, 45(4), 278-282.

Liang, J., Kerstin Lindemeyer, A., Suryanarayanan, A., Meyer, E.M., Marty, V.N., **Omar Ahmad, S.**, Shao, X.M., Olsen, R.W., Spigelman, I. (2014) Plasticity of GABAA receptor-mediated neurotransmission in the nucleus accumbens of alcohol-dependent rats. *Journal of Neurophysiology*. 112, 1: 39 - 50

Dave, K., De Silva, S, Sheth, N, Ramboz, S., Beck, M, Quang, C, Switzer III, R, **Ahmad, S.**, Sunkin, S, Walker, D, Cui, X, Fisher, D, McCoy, A, Gamber, K., Ding, X, Goldberg, M, Benkovic, S, Baptista, M, Fiske, B, Sherer, T, and Frasier, M. (2014). Phenotypic characterization of recessive gene knockout rat -13-856R1. *70:190-203*.

Healy-Stoffel, M., **Ahmad, S.**, Standford, J., Levant, .B (2014). Differential effects of intrastriatal 6-hydroxydopamine on cell number and morphology in midbrain dopaminergic subregions of the rat. *Brain Research*,

Lieberman, D., Taha, J., **Ahmad, S.**, Most, S. (2011). The Effects of corticosteroids on functional recovery and neuron survival in facial nerve crush injuries in mice. *The Archives of Facial and Plastic Surgery*. 13(2):117-124

Lau, Y., Patki, G., Le, W., **Ahmad, S.**(2011). Neuroprotective effects and mechanisms of exercise in a  
*European Journal of Neuroscience*: 1-11

**Ahmad, S.**, Park, J., Stenho-Bittel, L., Lau, Y. (2009). Effects of endurance exercise on the ventral tegmental area neurons in the chronic 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine and probenecid-treated mice. *Neuroscience Letters*: 25664

Honghong Yao, Fuwang Peng, Navneet Dhillon, Shannon Callen, Sirosh Bokhari, Lisa Stehno-Bittel, **Omar Ahmad**, John Q Wang and Shilpa Buch (2009) Involvement of TRPC channels in CCL2-mediated neuroprotection against Tat toxicity *Journal of Neuroscience JN-RM-2781-08R1*

Natarajan, P., Oelschlager, A., Agah, A., Pohl, P., **Ahmad, S.**, Liu, W. (2008). Current clinical practice in stroke rehabilitation: A regional survey. *Journal of Rehabilitation Research and Development*. 45(6):841-849

**Ahmad, S.**, Park, J., Radel, J., Levant, B. (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. *Neuroscience Letters*. 438:303-307

Scott, S., Diaz, N., **Ahmad, S.** (2007). Stereological analysis of cell number and size during post-natal development in the rat substantia nigra. *Neuroscience Letters*. 23;419(1):34-7. Epub 2007 Apr 8

Vuchetich, P., Hamilton, W., **Ahmad, S.**, Makoid, M. (2006). Analyzing course objectives: Assessing critical thinking in the Pharmacy curriculum. *The Journal of Allied Health vol. 35(4):253-275.*

Glynn, G., **Ahmad, S.** (2003). Regional variations in the physiology of the rat caudate-putamen. In vivo subregional effects of amphetamine on extracellular dopamine concentration. *The Journal of Neural Transmission vol. 110, issue 5: 461-485.*

Glynn, G., **Ahmad, S.** (2003). Regional variations in the physiology of the rat caudate-putamen. Effects of amphetamine and amphetamine induced dopamine release on basal and cortical stimulation evoked multiple unit activity. *Journal of Neural Transmission vol. 110, issue 5: 443-460.*

Glynn, G., **Ahmad, S**

effectiveness of Ischemia Contrast Stain. [Abstract] Chicago, IL: Proceedings from the Society for Neuroscience.

**Ahmad, S.**, Joseph, J., Spalding, E., Stevens, N., Toth, S (2018). Integrating student education in the research process with a stereological study: The effects of environmental enrichment on the number and size of TH+ neurons in the Substantia Nigra Pars Compacta, and Hippocampal size in Rats. [Abstract] San Diego, CA.: Proceedings from Society for Neuroscience.

**Ahmad, S. O.**, Alicia Flach,<sup>1</sup>; Lisa Jaegers, Mary Krieger, Emily Bixler, Patrick Kelly, Edward P. Weiss, (2017). Endurance Exercise Improves Function in Individuals with Park - analysis. [Abstract] Washington, D.C.: Proceedings from the Society for Neuroscience.

Ahmad, S. O., Caponera, G. (2017). Neuronal numbers in the ventral tegmental area and the nucleus accumbens in alcohol preferring and non-preferring rats [Abstract] Washington, D.C.: Proceedings from the Society for Neuroscience.

Jaegers L, Matthieu M, Barnidge E, **Ahmad O**, Scheetz G, Dick R, Nadimpalli S,

Sciences Multidisciplinary Research Symposium, St. Louis, MO, April, 13, 2016.

Jaegers L, Matthieu M, Barnidge E, **Ahmad O**, Scheetz G, Dick R, Nadimpalli S,

Scholarship Symposium, St. Louis, MO, March 2, 2016.

**Ahmad, S. O.**, Schleif, E. (2016). Stereology of the substantia nigra pars compacta comparing total numbers of tyrosine hydroxylase negative neurons to tyrosine hydroxylase positive neurons in 3 different mouse models. [Abstract] San Diego, CA. : Proceedings from Society for Neuroscience.

Jaegers L, Barney K, Matthieu M, Barnidge E, Kelly P, **Ahmad O**,  
and Physical Health Needs of Corrections Officers in Missouri for the Development of a Total Worker  
University Doisy College of Health Sciences Scholarship Symposium, St.  
Louis, MO, February 20, 2015.

**Ahmad, S.,** Baun, J., Tipton, B., Zurhellen, C., Segovia, C., Switzer, R. (2015). Immunohistochemical Characterization of Multiple Sclerosis Plaques in Human Brain. [Abstract]. Society for Neuroscience, Chicago, IL.

**Ahmad, S.,** Royeen, C., Provasnick, C. (2015) BrainTells: A Teaching Model for students and families on cognitive disability.[Abstract]. Society for Neuroscience, Chicago, IL.

**Ahmad, S.,** Baun, J., Tipton, B., Zurhellen, C., Segovia, C., Switzer, R. (2015). Morphometric characterization of AgNOR stain in the human MS brain. [Abstract]. International Congress of the AD/PD Society, Nice, France.

**Ahmad, S. O.,** (2014). Using course objectives and the Learning Through Discussion Method to establish instructional validity in a small-group graduate neuroscience class. [Abstract]. Society for Neuroscience, Washington, D.C. 2014-H-1926-SfN

Baun, J., Tipton, B., Zurhellen, C., Segovia, C., Switzer, R., and **Ahmad, S.,** (2014). Immunohistochemical characterization of multiple sclerosis plaques in the human brain. [Abstract]. Society for Neuroscience, Washington, D.C.

Martinez, T.N., Sasner, M., Herberth, M., Switzer, R., **Ahmad, S. O.,** Luk, KP12 0 6D32 0 3emchara cler(-)-2( )-2(L)-2K(m)



Dave, K., De Silva, S., Rambos, S., Beck, M., Quang, C., Benkovic, S., **Ahmad, S.**, Sunkin, S., Walker, D., Gamber, K., Aziz, J., Baptista, M., Das, S., Dufour, A., Eberling, J., Facheris, M., Fiske, B., Sheth, N., Sherer, T., Urkowitz, A., Frasier, M. (2012). MJFF animal models 2: Phenotypic characterization of the autosomal recessive (Parkin-1, Pink-1 and DJ-1) gene knockout rat models of

**Ahmad, S.,** Park, J., Oppermann-Budt, J., Stenho-Bittel, L., J., Lau, Y. (2007). Effects of endurance exercise on physical habilitation and ventral tegmental area neurons in the MPTP/probenecid model for Parkinson's disease [Abstract]. University of Kansas Faculty Research Day.

**Ahmad, S.,** Crabtree, J., Griffiths, Y. (2007). Using Course Objectives and the Learning Through Discussion Method to Establish Instructional Validity [Abstract]. Society for Neuroscience.

**Ahmad, S.,** Park, J., Stenho-Bittel, L., J., Lau, Y. (2007). Effects of endurance exercise on physical habilitation and ventral tegmental area neurons in the mild chronic mouse MPTP/probenecid model for Parkinson's disease [Abstract]. Society for Neuroscience.

Lau, Y., Das, K., Pothakos, K., **Ahmad, S.** (2007) Impact of endurance exercise on nigrostriatal neuronal recovery in the chronic mouse MPTP/probenecid model of parkinsonism with moderate and severe neurodegeneration [Abstract]. Society for Neuroscience.

**Ahmad, S.,** Park, J., Oppermann-Budt, J., Lau, Y. (2007). Effects of endurance exercise on physical habilitation and ventral tegmental area neurons in the chronic mouse MPTP/probenecid model for Parkinson's disease [Abstract]. International Brain Conference (peer reviewed).

**Ahmad, S.,** Park, J., Stenho-Bittel, L., Lau, Y. (2006). Effects of endurance exercise on physical habilitation and substantia nigra neurons in the chronic mouse MPTP/probenecid model for Parkinson's disease [Abstract]. Abstract Control Number: 11117, Presentation Number: 675.17. Society for Neuroscience.

Scott, S., Diaz, N., **Ahmad, S.** (2006). Stereological analysis of cell number and size as a function of age in the rat substantia nigra [Abstract]. Society for Neuroscience.

**Ahmad, S.** (2004). A Case for Neuro-Occupation [Abstract]

34.

**Ahmad, S.,** Correa, E.(2004). Stereological Analysis of Dopaminergic NeuBT/F1 9.96 Tf1 0 0 A0e -5005630003>20052>5004

**Ahmad, S.**, Griffiths, Y. (2003). Using Course Objectives and the Learning Through Discussion Method to Establish Instructional Validity [Abstract]. *Proceedings of the 1 Occupational Therapy Research Conference*.

Glynn, G., **Ahmad, S.** (2002) Three dimensional electrophysiological topography of the rat corticostriatal system [Abstract]. *Research Conference*, 59-60.

**Ahmad, S.**, Behr, S. (2002). Instructional Validity and Critical Thinking in an Occupational Therapy Curriculum [Abstract] *herapy Research Conference*, 56.

**Ahmad, S.**, Scott, S., Mu, K. (2001). A Meta-Analysis of Functional Outcomes of Patients With *rapy Research Conference*, 45.

#### **Books/ Chapters:**

Ohia, S., **Ahmad, S.**, Shara, M. (In press). Functional Performance, analgesics, and anesthetics. Chapter in Ohia, Peyton, Opere (Eds.) *General Principles of Drug Action and Functional Performance*. St. Louis, MO: Mosby

Alsharif, N., **Ahmad, S.** (In press). Functional Performance and Central Nervous System Acting Drugs. Chapter in Ohia, Peyton, Opere (Eds.) *General Principles of Drug Action and Functional Performance*. St. Louis, MO: Mosby

Park, J. **Ahmad, S.** (2014). 2D and 3D Morphometric analyses comparing three rodent models. In *Neurostereology: Unbiased Stereology of Neural Systems* (Peter Mouton, Ed.) Wiley Blackwell: Ames, IA. p.233.

**Ahmad, S.**, Park, J., Stenmho-Bittel, L., Lau, Y. (2006). Effects of endurance exercise on physical habilitation and substantia nigra neurons in the chronic mouse MPTP/probenecid model for Parkinson's disease. *Society for Neuroscience 2006 Press Book* (peer reviewed).

**Ahmad, S.**, Alsharif, N., Royeen, M. (2005). Arab Americans. Chapter in Royeen, Crabtree (Eds.) *Culture in Rehabilitation: From Competency to Proficiency*. Upper Saddle River, NJ: Prentice-Hall. P 181-202 (peer reviewed Chapter)

**University Grant/Research Activities (Funded):**

Volz-Doll, J (PI) , **Ahmad, S.** (Senior and Project Mentor) Title of Proposed Project: Integrating Care:  
Building Evidence for Occupational and Physical Therapy in Primary Care. AOTF Research Priority:  
Health care 0912 T/F0 G[(.)] TJETQq Tm0 g111 fearc





Poster Presentation: **Ahmad, S. O.**, Alicia Flach,<sup>1</sup>; Lisa Jaegers, Mary Krieger, Emily Bixler, Patrick

Disease: A Meta-analysis. Washington, D.C.: Proceedings from the Society for Neuroscience.

Poster Presentation: **Ahmad, S. O.**, Caponera, G. (2017). Neuronal numbers in the ventral tegmental area and the nucleus accumbens in alcohol preferring and non-preferring rats Washington, D.C.: Proceedings from the Society for Neuroscience.

Poster Presentation: **Ahmad, S. O.**, Schleif, E. (2016). Stereology of the substantia nigra pars compacta comparing total numbers of tyrosine hydroxylase negative neurons to tyrosine hydroxylase positive neurons in 3 different mouse models. San Diego, CA. : Proceedings from Society for Neuro

Poster Presentation: Price, C. J., Sutherland, M.L., Mathews, J., Fennel, T.R., Black, S. L., Watson, R. W., Snyder, R.W., Switzer, R. C., **Ahmad, S. O.** (2014). Evaluation of Israpindine (ISR) for neuroprotective potential in the MPTP/Probenicid mouse model for PD. Society for Neuroscience, Washington, D.C.

Poster Presentation: Martinez, T.N., Sasner, M., Herberth, M., Switzer, R., **Ahmad, S. O.**, Luk, K., Ramboz, S., Kudwa, A., Kirik, D., Mandel, R., Nisi, R., Dismuke, D., Das, S., Frasier, M., and Dave, K. (2014). Characterization, comparison, and cross-validation of *in vivo* alpha-synuclein models of parkinsonism. Society for Neuroscience, Washington, D.C.

Poster Presentation: Price, C. J., Sutherland, M.L., Mathews, J., Fennel, T.R., Black, S. L., Watson, R. W., Snyder, R.W., Switzer, R. C., **Ahmad, S. O.** (2014). Evaluation of Israpindine (ISR) for neuroprotective potential in the MPTP/Probenicid mouse model for PD. Society for Neuroscience, Washington, D.C.

Poster Presentation: **Ahmad, S. O.**, Stoeffel\_Healey, R., Stanford, J., Levant, B. (2013). Novel AgNor stain Nucleolar Morphology in Substantia Nigra Dopamine Neurons Following Unilateral Intrastratial 6-Hydroxydopamine in Rats " [Abstract: 2013-S-5764-SfN]. Society for Neuroscience, San Diego, CA

Poster Presentation: Stoeffel\_Healey, R., **Ahmad, S. O.**, Stanford, J., Levant, B. Changes in Nucleolar Morphology in Substantia Nigra Dopamine Neurons Following Unilateral Intrastratial 6-Hydroxydopamine in Rats" [Abstract: A-459-0002-00657]. AD/PD (2013)

Poster Presentation: Liang, J., Lindenmeyer, K., Suryanarayman, A., Meyer, E., Marty, V., **Ahmad, S.**, Olsen R., Spiegelman, IGABA<sub>A</sub> receptor plasticity in the nucleus accumbens of alcohol-dependent rats. International Society for Biomedical Research on Alcoholism. (2012).

Poster Presentation: Dave, K., De Silva, S., Rambos, S., Beck, M., Quang, C., Benkovic, S., **Ahmad, S.**, Sunkin, S., Walker, D., Gamber, K., Aziz, J., Baptista, M., Das, S., Dufour, A., Eberling, J., Facheris, M., Fiske, B., Sheth, N., Sherer, T., Urkowitz, A., Frasier, M. MJFF animal models 2: Phenotypic characterization of the autosomal recessive (Parkin-1, Pink-1 and DJ-1) gene knockout rat models of Parkinson disease. Society for Neuroscience. (2012).

Poster Presentation: Stoffel, M., **Ahmad, S.**, Stanford, J., Levant, B. Changes in nucleolar morphology in substantia nigra dopamine neurons following unilateral intrastratial 6-hydroxydopamine in rats . Society for Neuroscience. (2012).



Poster Presentation: Stoffel, M., **Ahmad, S.**, Stanford, J., Levant, B. Effects of 6-hydroxydopamine unilateral lesion on dopamine cell number and volume in the substantia nigra pars compacta: A stereological study utilizing TH and silver nucleolar stain.

Poster Presentation: Lau, Y., Das, K., Pothakos, K., **Ahmad, S.** Impact of endurance exercise on nigrostriatal neuronal recovery in the chronic mouse MPTP/probenecid model of parkinsonism with moderate and severe neurodegeneration [Abstract]. Society for Neuroscience (2007).

Poster Presentation. **Ahmad, S.**, Park, J. Oppermann-Budt, J., Lau, Y. Effects of endurance exercise on physical habilitation and ventral tegmental area neurons in the chronic mouse MPTP/probenecid model for Parkinson's disease. International Brain Conference (2007).

Poster Presentation. **Ahmad, S.**, Park, J., Stenho-Bittel, L., Lau, Y. Effects of endurance exercise on physical habilitation and substantia nigra neurons in the chronic mouse MPTP/probenecid model for Parkinson's disease. Society for Neuroscience (2006).

Poster Presentation. Scott, S., Diaz, N., **Ahmad, S.** Stereological analysis of cell number and size as a function of age in the rat substantia nigra. Society for Neuroscience (2006).

#### **Selected National Peer Reviewed Presentations**

Poster: Bixler E, Scheetz G, Kelly P, Matthieu M, Barnidge E, **Ahmad O,**  
health

American

Invited Institute. Ahmad, S. Dunn, W. *Rehabilitation of Adult Sensory Dysfunction: An Evidence-Based Approach*. American Occupational Therapy Association Conference (2005)

### **Selected State/local Presentations:**

Poster Presentation: **Ahmad, S.**, Park, J., Oppermann-Budt, J., Stenho-Bittel, L., J., Lau, Y. Effects of endurance exercise on physical habilitation and ventral tegmental area neurons in the MPTP/probenecid model for Parkinson's disease [Abstract]. University of Kansas Faculty Research Day (2007).

Keynote Speaker. *The Neurological Basis of Ritual and Occupation*. Indiana State Occupational Therapy Association Fall Symposium (2005)

Paper Presentation. *Neuroscience and Occupation*. Indiana State Occupational Therapy Association Fall Symposium (2005)

Invited Lecture. *The Foundations of Stereological Research in Functional Performance*. University of Southern Indiana (2005)

Paper Presentation. A Case for Neuro-Occupation  
Occupational Therapy Research Conference (2004).

Paper Presentation. Stereological Analysis of Dopaminergic Neurons in the Caudo-Putamen of Age-Differentiated Rats: Structure Function Analysis and Performance Impacts  
search Conference (2004).

Occupational Therapy Research Conference (2003).

Paper presentation. A Meta-Analysis of Functional Outcomes of Patients With Parkinson Disease  
Conference (2002).

Poster Presentation. Instructional Validity and Critical Thinking in an Occupational Therapy  
Occupational Therapy Research Conference (2002).

Poster Presentation. Three dimensional electrophysiological topography of the rat corticostriatal



Capital Equipment Committee, Barnes-Jewish Hospital at Washington University, School of Medicine,  
Program in Occupational Therapy (1997-2000)

Graduate Council, The University of Texas at El Paso (2003-2004)

Vice-

Saint Louis

Graduate Committee, Department of Occupational Therapy Education, KUMC (2004- 2011)

Awards and Scholarship Committee (Chair), Department of Occupational Therapy Education, KUMC (2004- 2011)

Doctor of Occupational Therapy Committee, Department of Occupational Therapy Education, KUMC (2004- 2007)

Program Manager, Ph.D. and OTD recruitment, University of Kansas Medical Center, Therapeutic Sciences (2007- 2011)

Doctor of Occupational Therapy Development Committee, Department of OT, Doisy College of Health Sciences, Saint Louis University (2011-present)

Exam Soft Faculty Representative (2016-Present)

#### **Community Service:**

Chairperson, The United States Martial Arts Association Disability Engagement Advisory Committee, Elected Treasurer, Board of Governors (2016), (2001-present)

Elected Board Member, Gateway to Hope (Breast Cancer Charity) ((2015-present))

Elected Board Member, USA Combat Wrestling (2016-present)

USMAA North Regional Training Camp, Instructor for Police and Law Enforcement, Instructor for Integrating Children with Special Needs, Minneapolis, MN. (2015)

#### **Clinical Service:**

Director (2011-present): (2X/week) for Katamedo Jujitsu, Saint Louis. This is an occupational therapy directed, strengths-based, task-oriented group focusing on individuals with special needs (Cerebral Palsy, Traumatic Brain Injury, Soldiers with PTSD, Autism, Asbergers Syndrome, Downs Syndrome and Cerebro-Vascular Accident, Learning Disabilities, etc.) to enable community integration through participation in a functional activity.

Pro-Bono Consultant (2004-2011): Resident therapist (3X/week) for CHAMPS Karate. This is a program focusing on individuals with special needs (Cerebral Palsy, Traumatic Brain Injury, Autism, Asbergers Syndrome, Downs Syndrome and Cerebro-Vascular Accident, Learning Disabilities, etc.) to enable community integration through participation in a functional activity.

Senior Occupational Therapist (2007-Present): Hand therapist, nursing home treatment, outpatient and inpatient neurorehabilitation, Burns and trauma, rehabilitati



Kendra Banschbach, M.S.O.T. (USI, Jan.2006-May 2006)

Christina McClendon, B.S. (2006-2010)

M.O.T Students:

Mia Callari (Masters Project Mentor, 2019-2021)

Madison Fagan (Masters Project Mentor, 2019-2021)

Sara Hirst (Masters Project Mentor, 2019-2021)

Sara Vari (Masters Project Mentor,2019-2021)

Gillian Baker (Masters Project Mentor, 2019-2020)

AnneMarie Berry (Masters Project Mentor, 2019-2020)

Courtney Bertels (Masters Project Mentor, 2019-2020)

Elizabeth Moran (Masters Project Mentor, 2019-2020)

Meghan Nightengale (Masters Project Mentor, 2019-

Graduate Research Assistant:

Ben

OCTH 422 *Analysis and Adaptation*, Entry-level clinical (2005, 2007, Co-Instructor, KUMC)

OCTH 462 *Physical Conditions for Facilitating Occupational Performance*, Entry-level clinical (2005-2011, Instructor, KUMC)

OCTH 468 *Facilitating Physical Performance Lab*, Entry-level clinical (2005-2011, Instructor, KUMC)

OCTH 720 *OT Practice Models*, Graduate (2004- 2011, Instructor for Motor Models, 2004-2005 Instructor for Cognitive Models, KUMC)

OCTH 727 *Professional and Technical Writing*, Graduate (2006-2007, Instructor, KUMC)

OCTH 790 *Research Practicum*, Graduate (2007-2011, Co-Instructor, KUMC)

OTMS 799 *Special Topics in Occupational Therapy*, Graduate, Independent Study (2004-2011, Instructor, KUMC)

TS 980 *Advanced Studies in Therapeutic Science*, Graduate, Independent Study (2004-2011, Instructor, KUMC)

MOT 535/5350, *Theoretical Foundations of Occupational Therapy*, Graduate (2011-present, Instructor, SLU)

MOT 517/5170, *Neuroscience in OT*, Graduate (2011- present Instructor, SLU)

MOT 5490, *Applied Research Seminar 1*, Graduate (2021-Present)

MOT 5650, *Applied Research Seminar 3*, Graduate (2021-Present)

**References:** Upon Request