**CURRICULUM VITAE**

**Jean C. G. Tsai, M.D., Ph.D.**

**ASSOCIATE PROFESSOR, DEPARTMENT OF NEUROLOGY**

**UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS**

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**EDUCATION**

School of Engineering, Purdue University

* West Lafayette, Indiana
* Bachelor of Science, Chemical Engineering, 1994

School of Medicine, University of Pennsylvania

* Philadelphia, Pennsylvania
* Doctor of Philosophy, Neuroscience, 2002

School of Medicine, University of Pennsylvania

* Philadelphia, Pennsylvania
* Doctor of Medicine, 2003

Internship, Internal Medicine - University of Pennsylvania

* Philadelphia, Pennsylvania
* 2003-2004

Residency, Neurology - University of Pennsylvania

* Philadelphia, Pennsylvania
* 2004-2007

Postdoctoral Fellowship, Sleep Medicine - University of Pennsylvania

* Philadelphia, Pennsylvania
* 2007-2008

**FACULTY APPOINTMENTS AND EMPLOYMENT**

Assistant Professor – Department of Neurology, University of Colorado Denver

* Anschutz Medical Campus
* 2009 - Present

**HOSPITAL, GOVERNMENT, OR OTHER PROFESSIONAL POSITIONS**

Attending Physician – Neurology Service, Veteran’s Administration Medical Center

* Denver, Colorado
* 2010 - Present

Affiliate Physician – Sleep Medicine Service, National Jewish Health

* Denver, Colorado
* 2010 – Present

Affiliate Physician – Sleep Medicine, Division of Pulmonary/Critical Care, Denver Health

* Denver, Colorado
* 2013 – Present

**HONORS, SPECIAL RECOGNITIONS AND AWARDS**

1990-1994 Presidential Honors Scholarship (full tuition and stipend, merit-based award)

* 1. Franklin Fellowship, M.D./Ph.D. Program funded by University of Pennsylvania

**LICENSURE AND BOARD CERTIFICATION**

2004-2008 Medical license, Pennsylvania

2008 Diplomate of the American Board of Psychiatry and Neurology in Neurology

2009 Diplomate of the American Board of Psychiatry and Neurology in Sleep Medicine

2008-Present Medical license, Colorado

2008-Present DEA license

**MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

2004-Present American Academy of Neurology

2008-Present American Association of Sleep Medicine

2014-Present American Neurological Association

**MAJOR COMMITTEE AND SERVICE RESPONSIBILITIES**

***University of Colorado School of Medicine:***

2012-Present Department of Neurology – Sleep Medicine Didactic Block Director

2012-Present Department of Neurology - Director of the Sleep Medicine elective rotation

2016-Present School of Medicine Student Grading for Neurology rotation

2016-2017 School of Medicine – Faculty judge for Mentored Scholarly Activity Capstone Poster Presentations

2018-Present Department of Neurology – Intradepartmental Grant Review Committee

2018-Present Faculty Promotion Committee

***Denver Health Medical Center:***

2013-Present Division of Pulmonary/Critical Care – Director of Sleep Medicine Program

***National:***

2017-Present American Academy of Neurology – representation at Summit on Population Health Solutions for Assessing Cognitive Impairment in Geriatric Patients organized by the National Academy of Neuropsychology

2018-Present American Academy of Neurology – Vice Chair of Sleep Section

**REVIEW AND REFEREE WORK**

2015-Present Ad-hoc reviewer, The Journal of Neuropsychiatry and Clinical Neurosciences

**INVITED LECTURES AND PRESENTATIONS**

***Local:***

**Tsai JC**. REM Sleep Behavior Disorder. Invited Speaker. Neurology Grand Rounds, UCD. August 2008.

**Tsai JC**. Why Do We Sleep? Invited Speaker. Neurology Grand Rounds, UCD. October 2010.

**Tsai JC**. Common Sleep Disorders. Invited Speaker. Internal Medicine House Officer Conference, Saint Joseph Hospital. May 2011.

**Tsai JC**. Sleep Drunkenness. Invited Speaker. Neurology Grand Rounds, UCD. September 2012.

**Tsai JC**. Obstructive Sleep Apnea. Invited Speaker. Continuing Education Series for Advanced Practice Council, UCH Anschutz. February 2013.

Case D, O’Brien C, and **Tsai JC**. Cardiovascular Disorders in General Neurology. Invited Speaker. Neurology Grand Rounds, UCD. April 2013.

**Tsai JC**. Recognizing Seizures in Polysomnography. Invited Speaker. Lecture Series for Sleep Technologists, National Jewish Health. September 2013.

**Tsai JC**. Cognitive Enhancement in Sleep. Invited Speaker. Behavioral Neurology and Neuropsychiatry Conference. October 2014.

**Tsai JC**. Quality Measurements in Sleep Medicine. Invited Speaker. Grand Rounds, UCD. July 2015.

**Tsai JC**. Sleep in Elderly. Invited Speaker. Osher Lifelong Learning Institute Program, University of Denver. January 2016.

**Tsai JC**. Thirty Years of Sleep. Invited Speaker. Aging Mastery Program at the Staenberg-Loop Jewish Community Center of Denver. November 2016.

**Tsai JC.** Sleep in Neuromuscular Disease. Invited Speaker. Neuromuscular Symposium: an educational event for those affected by Charcot Marie Tooth diseases, Limb Girdle Muscular Dystrophies, Pompe disease, and Inclusion Body Myositis. Bruce Schroffel Conference Center, University of Colorado Hospital. November 2018.

**Tsai JC.** Polysomnography in the Epilepsy Monitoring Unit. Invited Speaker. Didactic Series in Neurodiagnostics. University of Colorado Hospital. January 2019.

***Regional:***

**Tsai JC**. Sleeping with PD. Invited Speaker. To the Future and Back, Parkinson Disease Educational Conference sponsored by Michael J Fox Foundation for PD Research, Denver, Colorado. September 2014.

**Tsai JC**. Sleep and Parkinson Disease. Invited Speaker. Educational Lecture Series, Westminster Covenant Village Support Group of the Parkinson Association of the Rockies. March 2015.

**Tsai JC**. Common Sleep Disorders. Veterans Affairs Eastern Colorado SCAN-ECHO Webcast Presentation. May 2015.

**BIBLIOGRAPHY**

Klepitskaya O, Liu Y, Sharma S, Sillau SH, **Tsai J**, Walters AS. Deep brain stimulation improves restless legs syndrome in patients with Parkinson disease. Neurology 91(11):e1013-e1021, 2018.

Tekriwal A, Kern DS, **Tsai J,** Ince NF, Wu J, Thompson JA, Abosch A. REM sleep behaviour disorder: prodromal and mechanistic insights for Parkinson's disease. J Neurol Neurosurg Psychiatry 88(5):445-451, 2016.

**Tsai, J.**, Nagel, M.A., Gilden, D. Skin rash in meningitis and meningoencephalitis. Neurology 80(19):1808-11, 2013.

**Tsai, J.**, Bert, R. J., Gilden, D. Zoster paresis: Asymptomatic MRI lesions far beyond the site of rash and focal weakness. J Neurol Sci. 330(1-2):119-20, 2013.

**Tsai, J.**, Cohrs, R.J., Nagel, M.A., Mahalingam, R., Schmid, D.S., Choe, A., Gilden, D. [Reactivation of type 1 herpes simplex virus and varicella zoster virus in an immunosuppressed patient with acute peripheral facial weakness.](file:///C%3A%5Cpubmed%5C21924743)J. Neurol. Sci. 313: 193-195, 2012. Epub 2011 Sept 15.

**Tsai, J.C.** Neurological and neurobehavioral sequelas of obstructive sleep apnea. NeuroRehabilitation 26:85-94, 2010.

Ances BM, Dalmau JO, **Tsai J**, Hasbani MJ, Galetta SL. Downbeating nystagmus and muscle spasms in a patient with glutamic-acid decarboxylase antibodies. Am J Ophthalmol. 140(1):142-4, 2005.

**Tsai, J.C.**, Zelus, B.D., Holmes, K.V., Weiss, S.R. The N terminal domain of the murine coronavirus spike glycoprotein determines the CEACAM1 receptor specificity of the virus strain.

J. Virol. 77:841-850, 2003.

**Tsai, J.C.**, de Groot, L., Pinon, J.D., Phillips, J.J., Seo, S., Lavi, E., Weiss, S.R. Amino acid substitutions within the heptad repeat domain 1 of murine coronavirus spike protein restrict viral antigen spread in the central nervous system. Virology 312:369-380, 2003.

Hingley, S.T., Leparc-Goffart, I., Seo, S., **Tsai, J.C.**,Weiss, S.R. The virulence of mouse hepatitis virus strain A59 is not dependent on efficient spike protein cleavage and cell-to-cell fusion. J. Neurovirol. 8:400-410, 2002.

**Tsai, J.C.**, Weiss, S.R. In vitro properties and pathogenesis of A59/MHV4 Chimeric mouse hepatitis viruses. Adv. Exp. Med. Biol. 494:169-172, 2001.

**Tsai, J.C.**, Gilden, D.H. Chlamydia pneumoniae and multiple sclerosis: no significant association. Trends Microbiol. 9:152-154, 2001.

Das Sarma, J., Fu, L., **Tsai, J.C.**, Weiss, S.R., Lavi, E. Demyelination determinants map to the spike glycoprotein gene of coronavirus mouse hepatitis virus. J. Virol. 74:9206-9213, 2000.

Cork, R.J., McGinnis, M.E., **Tsai, J.**, Robinson, K.R. The growth of PC12 neurites is biased towards the anode of an applied electric field. J. Neurobiol. 25:1509-1516, 1994.

**POSTER**

6/2016 Persson J, Snyder M, Poisson S, **Tsai J**. Monitoring for sleep apnea in stroke patients. Poster presented at: University of Colorado Neurology 6th Annual Research Retreat; June 2016; Anschutz Medical Campus, CO.

6/2017 Nguyen S and **Tsai J**. Orexin and sleep mediated pathology in Alzheimer’s Disease. Poster presented at: University of Colorado School of Medicine Mentored Scholarly Activity Capstone Presentations; March 2016; Anschutz Medical Campus, CO.

4/2018 Slettedahl J, Yantes A, **Tsai J**. A Motivational and Educational Toolkit to Improve CPAP Therapy Adherence: Feasibility of Organizational System Implementation.