

Tomoko Yoshida

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SUMMARY

Experienced and highly skilled histologist with extensive knowledge about immunohistochemistry and signal amplification methods. Adept at antibody validation and titration. High communication skill with strong leadership to pull team together. Motivated and eager for learning and adapting new technics in neuroscience.

PROFESSIONAL EXPERIENCE

Massachusetts Institute of Technology

Massachusetts, USA

Technical Associate I (Graybiel Lab, McGovern Institute for Brain Research)

September 2016-

Chief Histologist

- Responsibilities: perform immunohistochemistry and imaging analysis of not only rodent but also non-human primate (NHP)/human brain samples, monitor lab safety as a one of Environment, Health and Safety (EHS) representatives/lab manager
 - Train and supervise newly hired employees and undergraduate students as the chief in 4 histologists
 - Contribute to histological procedure and establish staining protocols for almost all NHP experiment and more than 50% of rodent experiment from Graybiel lab
 - Collaborate with EHS and MIT medical occupational health to manage biological and chemical hazard and lab safety
- Project manager for CHDI*
- Responsibilities: operate quarterly progress report meeting and manage budget.

Technical Assistant, (Graybiel Lab, McGovern Institute for Brain Research)

November 2014- September 2016

- Responsibilities: train and clean recording chamber on NHPs, attend monthly meeting with Division of Comparative Medicine DCM, perform immunohistochemistry of rodent and NHP brain samples. Supervise undergraduate students in histology

Research Affiliate, (Graybiel Lab, McGovern Institute for Brain Research)

October 2013-July 2014

- Engaged in histological analysis of non-human primate's brain

Nagoya City University Hospital

Aichi, Japan

Clinical Fellow, Department of Neurology

April 2011-March 2013

- Responsibilities: outpatient and inpatient care for neurologic conditions
- Conducted 30+ tests for onco-neural antibody from patients suspected of paraneoplastic neurological syndromes
- Performed multiple muscle and peripheral nerve biopsies; In muscle biopsy, performed everything from sample harvest to pathological examination
- Assisted neurosurgeons in 20+ deep brain stimulation surgeries for Parkinson's disease and essential tremor

Kainan Hospital

Aichi, Japan

Clinical Fellow, Department of Neurology

April 2010-March 2011

- Responsibilities: outpatient and inpatient care of neurologic conditions
- Supervised 12 junior residents in wards and in emergency room and gave lectures to junior residents about first response and treatment for stroke patients

Junior Resident, Department of Internal Medicine

April 2008-March 2010

- Responsibilities: rotated through multiple departments including internal medicine, surgery, anesthesiology, emergency medicine
- Organized weekday morning peer-to-peer case conference (2009-2010)
- Served every year as instructor in Advanced Cardiovascular Life Support workshop (2008-2010)

EDUCATION

Nagoya City University
Doctor of Medicine

Aichi, Japan
April 2002-March 2008

- Participated in neurology study group with other medical students (2005-2008),
- Lead clinical problem solving study group in English (2005-2007)
- Coordinated lectures for local residents about the relationship between disease and lifestyle (2005)
- Organized medical students' Advanced Cardiovascular Life Support workshops (2004-2007)
- Selected, as 1 of 2 students out of 80, for 1 month externship at Methodist Medical Center (Baylor College of Medicine, TX); experienced U.S.-style inpatient neurologic care, diagnostic process for outpatients, and neurology consultation services (August 2007)
- Selected for a 2-week externship at Hawaii University (March 2007)

PUBLICATIONS

- Amemori S, Amemori KI, **Yoshida T**, Papageorgiou GK, Xu R, Shimazu H, Desimone R, Graybiel AM. **Microstimulation of primate neocortex targeting striosomes induces negative decision-making**. Eur J Neurosci. 2019 Aug 20
- Schwerdt HN, Zhang E, Kim MJ, **Yoshida T**, Stanwicks L, Amemori S, Dagdeviren HE, Langer R, Cima MJ, Graybiel AM. Cellular-scale probes enable stable chronic subsecond monitoring of dopamine neurochemicals in a rodent model. Commun Biol. 2018 Sep 12
- Schwerdt HN, Shimazu H, Amemori KI, Amemori S, Tierney PL, Gibson DJ, Hong S, **Yoshida T**, Langer R, Cima MJ, Graybiel AM. Long-term dopamine neurochemical monitoring in primates. Proc Natl Acad Sci U S A. 2017 Dec 12.
- Schwerdt HN, Kim MJ, Amemori S, Homma D, **Yoshida T**, Shimazu H, Yerramreddy H, Karasan E, Langer R, Graybiel AM, Cima MJ. **Subcellular probes for neurochemical recording from multiple brain sites**. Lab Chip. 2017 Mar 14;17(6):1104-1115..
- **Yoshida T**, Ueki Y, Suzuki T, Kawagashira Y, Koike H, Kusumoto S, Ida S, Oguri T, Omura M, Sobue, Matsukawa N. Guillain-Barré syndrome after allogeneic bone marrow transplantation: Case report and literature review. eNeurologicalSci. 2016 Aug 4;4:52-55.

PRESENTATIONS

- Ichikawa K, Yoshida T, Toyoda T, Ozasa H, Miyagi T, Niimi A, Matsukawa N. A case of paraneoplastic limbic encephalitis caused by small cell lung cancer localized in mediastinal lymph node. Meeting of Japanese society of Internal Medicine: October 28th, 2012 Nagoya, Japan (awarded for excellence presentation as a supervisor)
- Yoshida T, Sagisaka T, Oguri T, Ueki Y, Matsukawa N, Suzuki T, Kusumoto S, Kawagashira Y, Sobue G, Ojika K. A case of acute inflammatory demyelinating polyradiculoneuropathy following Graft-versus-host disease (GVHD) after allogeneic bone-marrow transplantation. Meeting of Japanese society of Neurology in Chubu area: March 4th, 2012, Nagoya, Japan (awarded for excellence presentation)

ADDITIONAL

- Licenses: Medical Licensure (Japan), Certificate No. 475201(2008)
- Board Certification: Board Certified Member of Japanese Society of Internal Medicine, Registration No.47458 (2011). Board Certified Member of Japanese Society of Neurology, Registration No. 5083 (2014)
- Memberships: Japanese Society of Neurology, Japanese Society of Internal Medicine, Japanese Society of Neurological Therapeutics, Japanese Peripheral Nerve Society

