

Curriculum Vitae: Toshikazu Ikuta, Ph.D.

NAME	Toshikazu Ikuta	aka <i>Tossi Ikuta</i>
ELECTRIC DIRECTORY	<i>e-mail:</i> tikuta@olemiss.edu <i>website:</i> http://www.olemiss.edu/~tikuta/ <i>orcid:</i> http://orcid.org/0000-0003-0848-302X	
ADDRESS	311 George Hall 352 Rebel Drive, PO Box 1848 University, MS 38677-1848	
CURRENTLY	Assistant Professor Department of Communication Sciences and Disorders School of Applied Sciences University of Mississippi	
ALSO	Data Curator NHLBI/NIH Jackson Heart Study, Oxford Vanguard Center	
UNIVERSITY COMMITTEE MEMBERSHIP	<ul style="list-style-type: none">• Faculty Senate, University of Mississippi. August 2014 to present.• University Research Board, University of Mississippi. August 2014 to present.• University Assessment Committee, University of Mississippi. November 2013 to present.• Instructional Technology Committee, University of Mississippi. August 2016 to present.• UM Research Day Organizing Committee, University of Mississippi. 2018.	
PREVIOUSLY	Post Doctoral Research Fellow (2008-2010) Research Scientist (2011-2013) Center for Psychiatric Neuroscience Feinstein Institute for Medical Research and Zucker Hillside Hospital	
	Research Consultant (2003-2004) NEC Research Laboratory, NJ	
EDUCATION	Ph.D., Neural Science & Linguistics (2008) Indiana University, Bloomington, IN Dissertation Title: Dopamine and Dopaminergic System in Linguistic Comprehension and Grammar: fMRI study of Parkinson's Disease	
	M.A., Computational Linguistics (2005) Indiana University, Bloomington, IN	
	B.A., Liberal Arts (2001) International Christian University, Mitaka, Tokyo	
RESEARCH INTERESTS	<ul style="list-style-type: none">• Mental disorders and cognitive diversity• Human brain aging and its genetic diversity• Genetics in neuroimaging• Optimal statistical analysis in neuroimaging• Molecular and genetic basis for hearing, language and mind• Healthcare delivery to under-served regions• Eating behavior and cognition	

**AREAS OF
POSTGRADUATE
TRAINING**

Neuroscience

Expertise Techniques:

- Functional Magnetic Resonance Imaging (fMRI)
- Resting State fMRI (rsfMRI)
- Diffusion Tensor Imaging (DTI)
- Electroencephalography (EEG)
- Neural Network Modeling

Linguistics

Computational Linguistics (engineering language and speech)

- Speech Synthesis / Digital Signal Processing
- Alignment Based Morphology Induction
- Lexicon Clustering
- Computational Analysis of Spelling Change (and Phonological Change)
- Word Boundary Detection and Computational Modeling of its Acquisition

Generative Linguistics (stating natural language regularities)

- Coordinate Structure: language-universal properties of coordinate structure
- Morphological Case and its interaction wth A'-movement
- Scope of Operators and their interaction with syntax

**NATURAL
LANGUAGES**

- Japanese (native)
- English (fluent)
- French (naïve)
- Manchu (reading)

**NON-NATURAL
LANGUAGES**

- Python (fluent)
- R (fluent)
- Bash (fluent)
- MatLab (reading & writing)
- Java (reading & writing)
- C (reading)

**MARKUP
LANGUAGES**

- L^AT_EX
- HTML
- XML

MEMBERSHIP

- The Society for Neuroscience (2007-)
- International Behavioral Neuroscience Society (2014)
- International College of Neuropsychopharmacology (2017-)

**CONFERENCE/
WORKSHOP
ORGANIZATION**

- Assistant Student Organizer: PhonologyFest 2006, Indiana University (June 19 -29, 2006)
- Web-designer & Webmaster: The First Conference of Slavic Linguistics Society (September, 2006)
- Organizing Committee Member: Workshop on Computational Modeling of Lexical Acquisition, Split, Croatia (July 2005)
- Chief Student Organizer: SyntaxFest 2004, Indiana University (June 19 - July 1, 2004)
- Organizing Committee Member: Midwest Computational Linguistics Colloquium , Indiana University (June 25&26, 2004)

**COMMUNITY
SERVICE**

- 2003-2006 Treasurer: Indiana University Coed Soccer Club.
- 2003-2004 Vice President: Indiana University Linguistics Club.
- 2005 President: Indiana University Linguistics Club.
- 2006 Social Coordinator: Indiana University Linguistics Club

TEACHING

- Nominee, 2015-2016 Excellence in Advising Award, Academic Advising Network, University of Mississippi
- Spring 2014 to present: CSD205 “Anatomy and Physiology of Speech and Hearing Mechanisms”, University of Mississippi
- Fall 2013 to present: CSD505 “Neurophysiology of Communication”, University of Mississippi
- Fall 2004&2005 and Spring 2006: Assistant Instructor, L103 “Introduction to the Study of Language”, Indiana University, Bloomington

GRADUATE

RESEARCH TRAINING

- Fall 2007 and Spring 2008: Research Assistant of Dr. Sharlene Newman, Indiana University, Bloomington
- Fall 2006 and Spring 2007: Research Assistantship from Indiana Metabolomics and Cytomics Initiative, Indiana University, Bloomington
- Spring 2005: Research Assistant of Dr. Ćavar, Indiana University, Bloomington
- Summer 2004: Cognitive Science Summer Research Fellowship, Indiana University, Bloomington
- Fall 2003 and Spring 2004: Research Assistant of Dr. Damir Ćavar, Indiana University, Bloomington

EXTERNAL FUNDING

- NARSAD Young Investigator Grant 2012 (\$59,826)
Neurobiology of Auditory Hallucinations in Schizophrenia: An fMRI and DTI Study
January 2013 - January 2015
Brain and Behavior Research Foundation
<http://bbrfoundation.org/2012-YI-Grantees>

INTERNAL FUNDING

- Faculty Travel Support, Office of Research and Sponsored Programs, University of Mississippi (2015, 2017, 2018)
- General Clinical Research Center, North Shore-LIJ Health System (2009)
- Householder Fund, Indiana University (2007)
- IULC Travel Grant (2007)
- Travel Grant, College of Arts and Sciences, Indiana University (2006)

PUBLICATIONS

Peer Reviewed Journal Articles

- Makoto Okuya, Shinji Matsunaga, **Ikuta, Toshikazu**, Taro Kishi, and Nakao Iwata. (in press). Efficacy, Acceptability, and Safety of Intravenous Immunoglobulin Administration for Mild-To-Moderate Alzheimer's Disease: A Systematic Review and Meta-Analysis. *Journal of Alzheimer's Disease*.
DOI:10.3233/JAD-180888
- **Toshikazu Ikuta**, Emily Frith, P. Ponce, and Paul D. Loprinzi. (in press). Association of physical activity on the functional connectivity of the hippocampal-orbitofrontal pathway. *The Physician and Sportsmedicine*.
DOI:10.1080/00913847.2018.1549461
- Paul D. Loprinzi, Tammy Scott, **Toshikazu Ikuta**, Ovuokerie Addoh, and Katherine L. Tucker. (in press). Association between physical activity on changes in cognitive function: Boston Puerto Rican Health Study. *The Physician and Sportsmedicine*.
DOI:10.1080/00913847.2018.1547087
- Taro Kishi, **Toshikazu Ikuta**, Ken Inada, Yuki Matsuda, Kazuo Mishima and Nakao Iwata. (in press) **Effect of discontinuation v. maintenance of antipsychotic medication on relapse rates in patients with remitted/stable first-episode psychosis: a meta-analysis**. *Psychological Medicine*.
DOI:10.1017/S0033291718001393
- Keith M. Shafritz, **Toshikazu Ikuta**, Allison Greene, Delbert G. Robinson, Juan Gallego, Todd Lencz, Pamela DeRosse, Peter B. Kingsley and Philip R. Szczekko. (in press) **Frontal lobe functioning during a simple response conflict task in first-episode psychosis and its**

- relationship to treatment response.** *Brain Imaging and Behavior.*
DOI:10.1007/s11682-018-9876-2
- [48] **Toshikazu Ikuta**, Katherine H. Karlsgodt, and Alberto del Arco. (2018) **White Matter Integrity in the Fronto-striatal Accumbosfrontal Tract Predicts Impulsivity.** *Brain Imaging and Behavior, 12(5)* 1524-1528.
DOI:10.1007/s11682-017-9820-x
- [47] Shinji Matsunaga, Taro Kishi, Ikuo Nomura, Kenji Sakuma, Makoto Okuya, **Toshikazu Ikuta**, and Nakao Iwata. (2018) **The efficacy and safety of memantine for the treatment of Alzheimer's disease.** *Expert Opinion on Drug Safety, 17(10)*, 1053-1061.
DOI:10.1080/14740338.2018.1524870
- [46] Taro Kishi, **Toshikazu Ikuta**, Kazuto Oya, Shinji Matsunaga, Yuki Matsuda, and Nakao Iwata. (2018) **Anti-dementia Drugs for Psychopathology and Cognitive Impairment in Schizophrenia: A Systematic Review and Meta-analysis.** *International Journal of Neuropsychopharmacology, 21(8)*, 748-757.
DOI:10.1093/ijnp/pyy045
- [45] Laura J. Hahn, Susan J. Loveall, Madison T. Savoy, Allie M Neumann, and **Toshikazu Ikuta**. (2018) **Joint attention in Down syndrome: A meta-analysis.** *Research in Developmental Disabilities, 78*, 89-102.
DOI:10.1016/j.ridd.2018.03.013
- [44] Paul D. Loprinzi, Meghan K. Edwards, Elizabeth Crush, **Toshikazu Ikuta**, and Alberto Del Arco. (2018) **Dose-response association between physical activity and cognitive function in a national sample of older adults.** *American Journal of Health Promotion, 32(3)* 554-560.
DOI:10.1177/0890117116689732
- [43] Kenichiro Harada, **Toshikazu Ikuta**, Mami Nakashima, Toshio Watanuki, Masako Hirotsu, Toshio Matsubara, Hirotaka Yamagata, Yoshifumi Watanabe, and Koji Matsuo. (2018) **Altered connectivity of the anterior cingulate and the posterior superior temporal gyrus in a longitudinal study of later-life depression.** *Frontiers in Aging Neuroscience, 10*, 31.
PMC5809471; DOI:10.3389/fnagi.2018.00031
- [42] Katherine H. Karlsgodt, Angelica A. Bato, **Toshikazu Ikuta**, Bart D. Peters, Pamela DeRosse, Philip R. Szczekko, and Anil K. Malhotra. (2018) **Functional activation during a cognitive control task in healthy youth specific to externalizing or internalizing behavior.** *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 3(2)*, 133-140.
PMC5854198; DOI:10.1016/j.bpsc.2017.09.003
- [41] Ikuo Nomura, Taro Kishi, **Toshikazu Ikuta**, Nakao Iwata. (2018) **Statin add-on therapy in the antipsychotic treatment of schizophrenia: a meta-analysis.** *Psychiatry Research, 260*, 41-47.
DOI:10.1016/j.psychres.2017.11.033
- [40] Taro Kishi, Reiji Yoshimura, **Toshikazu Ikuta**, and Nakao Iwata. (2018) **Brain-Derived Neurotrophic Factor and Major Depressive Disorder: Evidence from Meta-analyses.** *Frontiers in Psychiatry, 8*, 308.
PMC5776079; DOI:10.3389/fpsyg.2017.00308
- [39] Meghan K. Edwards, Ovuokerie Addoh, Eveleen Sng, **Toshikazu Ikuta**, Teresa Carithers, Alain G. Bertoni, and Paul D. Loprinzi. (2017) **Physical activity, body mass index and waist circumference change and normal-range glycated hemoglobin on incident diabetes: Jackson Heart Study.** *Postgraduate Medicine, 129(8)*, 842-848.
DOI: 10.1080/00325481.2017.1358065
- [38] Taro Kishi, Shinji Matsunaga, Kazuto Oya, Ikuo Nomura, **Toshikazu Ikuta**, and Nakao Iwata. (2017) **Memantine for Alzheimer's disease: an updated systematic review and meta-analysis.** *Journal of Alzheimer's Disease, 60 (2)*, 401-425.
DOI:10.3233/JAD-170424
- [37] Sara Kiparizoska, and **Toshikazu Ikuta***. (2017) **Disrupted olfactory Integration in schizophrenia: functional connectivity study.** *The International Journal of Neuropsychopharmacology, 20 (9)*, 470-746.

- PMC5581488; DOI:10.1093/ijnp/pyx045
- [36] **Toshikazu Ikuta***, Koji Matsuo, Kenichiro Harada, Mami Nakashima, Teruyuki Hobara, Naoko Higuchi, Fumihiro Higuchi, Koji Otsuki, Tomohiko Shibata, Toshio Watanuki, Toshio Matsubara, Hirotaka Yamagata, and Yoshifumi Watanabe. (2017) **Disconnectivity between dorsal raphe nucleus and posterior cingulate cortex in later life depression.** *Frontiers in Aging Neuroscience*, 9, 236.
PMC5539218; DOI:10.3389/fnagi.2017.00236
- [35] Nishad R. Damle, **Toshikazu Ikuta**, Majnu John, Bart D. Peters, Pamela DeRosse, Anil K. Malhotra, and Philip R. Szeszko. (2017) **Relationship among interthalamic adhesion size, thalamic anatomy and neuropsychological functions in healthy volunteers.** *Brain Structure and Function*, 222(5), 2183-2192.
PMC5816973; DOI:10.1007/s00429-016-1334-6
- [34] Taro Kishi, **Toshikazu Ikuta***, Shinji Matsunaga, Yuki Matsuda, Kazuto Oya, and Nakao Iwata. (2017) **Comparative efficacy and safety of antipsychotics in the treatment of schizophrenia: a network meta-analysis in a Japanese population.** *Neuropsychiatric Disease and Treatment*, 13, 1281-1302.
PMC5439983; DOI:10.2147/NDT.S134340
- [33] Yuko Nakamura, and **Toshikazu Ikuta***. (2017) **Caudate-Precuneus functional connectivity is associated with obesity preventive eating tendency.** *Brain Connectivity*, 7(3), 211-217.
DOI:10.1089/brain.2016.0424
- [32] Majnu John, **Toshikazu Ikuta** (co-first author), and Janina Ferbinteanu. (2017) **Graph analysis of structural brain networks in Alzheimer's disease: beyond small world properties.** *Brain Structure and Function*, 222(2), 923-942.
DOI:10.1007/s00429-016-1255-4
- [31] Robert K. McNamara, Philip R. Szeszko Stefan Smesny, **Toshikazu Ikuta**, Pamela DeRosse, Frédéric M. Vaz, Berko Milleit, Uta-Christina Hippler, Cornelia Wiegand, Jana Hesse, G. Paul Amminger, Anil K. Malhotra, and Bart D. Peters (2017) **Polyunsaturated fatty acid status, phospholipase A2 activity and brain white matter microstructure in late childhood and adolescence.** *Neuroscience*, 343, 423-433.
DOI:10.1016/j.neuroscience.2016.12.007
- [30] Pamela DeRosse, **Toshikazu Ikuta** (co-first author), Katherine H. Karlsgodt, Bart D. Peters, Chaya B. Gopin, Philip R. Szeszko, and Anil K. Malhotra. (2017) **White Matter Abnormalities Associated With Subsyndromal Psychotic-Like Symptoms Predict Later Social Competence in Children and Adolescents.** *Schizophrenia Bulletin*, 43(1), 152-159.
PMC5216847; DOI:10.1093/schbul/sbw062
- [29] Andrew Schwegel, Delbert Robinson, Juan Gallego, Katherine Karlsgodt, **Toshikazu Ikuta**, Bart Peters, Anil Malhotra, and Philip Szeszko. (2016) **Age and Sex Effects on White Matter Tracts in Psychosis from Adolescence through Middle Adulthood.** *Neuropsychopharmacology*, 41 (10), 2473-2480.
PMC4987845; DOI:10.1038/npp.2016.47
- [28] Yuko Nakamura, Brian R. Walker, and **Toshikazu Ikuta***. (2016) **Systematic review and meta-analysis reveals acutely elevated plasma cortisol following fasting but not less severe calorie restriction.** *Stress*, 19(2), 151-157.
DOI:10.3109/10253890.2015.1121984
- [27] **Toshikazu Ikuta***, Pamela DeRosse, Miklos Argyelan, Katherine H Karlsgodt, Peter B Kingsley, Philip R Szeszko, and Anil K Malhotra. (2015) **Subcortical Modulation in Auditory Processing and Auditory Hallucinations.** *Behavioral Brain Research*, 295, 78-81.
PMC4641005; DOI:10.1016/j.bbr.2015.08.009
- [26] Katherine H. Karlsgodt, Majnu John, **Toshikazu Ikuta**, Philippe Rigoard, Bart D. Peters, Anil K. Malhotra, and Philip R. Szeszko. (2015) **The Accumbosfrontal Tract: Diffusion Tensor Imaging Characterization and Developmental Change from Childhood to Adulthood.** *Human Brain Mapping*, 36 (12), 4954-4963.
PMC4715564; DOI:10.1002/hbm.22989

- [25] Taro Kishi, Shinji Matsunaga, Kazuto Oya, **Toshikazu Ikuta***, and Nakao Iwata. (2015) **Protection against Brain Atrophy by Anti-dementia Medication in Mild Cognitive Impairment and Alzheimer's Disease: Meta-Analysis of Longitudinal Randomized Placebo-Controlled Trials.** *The International Journal of Neuropsychopharmacology*, 18 (12), pyv070.
PMC4675981; DOI:10.1093/ijnp/pyv070
- [24] Kathryn Rhindress, **Toshikazu Ikuta**, Robin Wellington, Anil K. Malhotra, and Philip R. Szeszko. (2015) **Delineation of hippocampal subregions using T1-weighted magnetic resonance images at 3 Tesla.** *Brain Structure and Function*, 220 (6), 3259-3272.
PMC4362783; DOI:10.1007/s00429-014-0854-1
- [23] Daniel M. Prendergast, Babak Ardekani, **Toshikazu Ikuta**, Majnu John1, Bart Peters, Pamela DeRosse, Robin Wellington, Anil K. Malhotra, and Philip R. Szeszko. (2015) **Age and sex effects on corpus callosum morphology across the lifespan.** *Human Brain Mapping*, 36 (7), 2691-2702.
PMC4478157 DOI:10.1002/hbm.22800
- [22] Keith M. Shafritz, Joel D. Bregmanb, **Toshikazu Ikuta**, and Philip R. Szeszko. (2015) **Neural systems mediating decision-making and response inhibition for social and nonsocial stimuli in autism.** *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 60 (3), 112-120.
PMC4426235; DOI:10.1016/j.pnpbp.2015.03.001
- [21] Nitin Toteja, Perihan Guvenek-Cokol, **Toshikazu Ikuta**, Vivian Kafantaris, Bart D Peters, Katherine E Burdick, Majnu John, Anil K Malhotra and Philip R Szeszko. (2015) **Age-associated alterations in corpus callosum white matter integrity in bipolar disorder assessed using probabilistic tractography.** *Bipolar Disorders*, 17 (4), 381-391.
PMC4458202; DOI:10.1111/bdi.12278
- [20] Miklos Argyelan, Juan Gallego, Delbert Robinson, **Toshikazu Ikuta**, Deepak Sarpal, Majnu John, Peter Kingsley, John Kane, Anil Malhotra, and Philip Szeszko. (2015) **Abnormal resting state fMRI activity predicts processing speed deficits in first-episode psychosis.** *Neuropsychopharmacology*, 40, 1631-1639.
PMC4915267; DOI:10.1038/npp.2015.7
- [19] Deepak K. Sarpal, Delbert G. Robinson, Todd Lencz, Miklos Argyelan, **Toshikazu Ikuta**, Katherine Karlsgodt, Juan A. Gallego, John M. Kane, Philip R. Szeszko, and Anil K. Malhotra. (2015) **Antipsychotic treatment and functional connectivity of the striatum: a prospective controlled study in first-episode schizophrenia.** *JAMA Psychiatry*, 72 (1), 5-13.
PMC4286512; DOI:10.1001/jamapsychiatry.2014.1734
- [18] Pamela DeRosse, George C. Nitzburg, **Toshikazu Ikuta**, Bart D. Peters, Philip R. Szeszko and Anil K. Malhotra. (2015) **Evidence from structural and diffusion tensor imaging for frontotemporal deficits in psychometric schizotypy.** *Schizophrenia Bulletin*, 41 (1), 104-114.
PMC4266309; DOI:10.1093/schbul/sbu150
- [17] Pamela DeRosse, **Toshikazu Ikuta**, Bart D. Peters, Katherine H. Karlsgodt, Philip R. Szeszko and Anil K. Malhotra. (2014) **Adding insult to injury: childhood and adolescent risk factors for psychosis predict lower fractional anisotropy in the superior longitudinal fasciculus in healthy adults.** *Psychiatry Research: Neuroimaging*, 224 (3), 296-302.
PMC4253644; DOI:10.1016/j.psychresns.2014.09.001
- [16] Daniel Felsky, Philip R. Szeszko, Lei Yu, William G Honer, Philip L De Jager, Julie A Schneider, Anil K Malhotra, **Toshikazu Ikuta**, Jon Pipitone, M Mallar Chakravarty, Nancy J Lobaugh, Benoit H Mulsant, Bruce G Pollock, James L Kennedy, David A Bennet and Aristotle N Voineskos. (2014) **Effects of the SORL1 Alzheimer's disease risk gene across the human lifespan.** *Molecular Psychiatry*, 19, 1125-1132.
PMC4004725; DOI:10.1038/mp.2013.142
- [15] Patricia Gruner, An Vo, Miklos Argyelan, **Toshikazu Ikuta**, Andrew J Degnan, Majnu John, Bart D Peters, Anil K Malhotra, Aziz M Uluğ, and Philip R Szeszko. (2014) **Independent**

component analysis of resting state activity in pediatric obsessive-compulsive disorder.*Human Brain Mapping*, 35(10), 5306-5315.

PMC4169329; DOI:10.1002/hbm.22551

- [14] **T. Ikuta***, B. D. Peters, S. Guha, M. John, K. H. Karlsgodt, T. Lencz, P. R. Szeszko, and A. K. Malhotra. (2014) **A Schizophrenia risk gene, ZNF804A, is associated with brain white matter microstructure.** *Schizophrenia Research*, 115 (1-3), 15-20. PMC4060886; DOI:10.1016/j.schres.2014.03.001
- [13] Philip Szeszko, Delbert Robinson, **Toshikazu Ikuta**, Bart Peters, Juan Gallego, John Kane, and Anil Malhotra. (2014) **White matter changes associated with antipsychotic treatment in first-episode psychosis.** *Neuropsychopharmacology*, 39 (6), 1324-1331. PMC3988536; DOI:10.1038/npp.2013.288
- [12] Bart Peters, Aristotle Voineskos, Philip Szeszko, Tristram Lett, Pamela DeRosse, Saurav Guha, Katherine Karlsgodt, **Toshikazu Ikuta**, Daniel Felsky, Majnu John, David Rotenberg, James Kennedy, Todd Lencz, and Anil Malhotra. (2014) **Brain white matter development is associated With a human-specific haplotype increasing the synthesis Of long chain fatty acids.** *The Journal of Neuroscience*, 34(18), 6367-6376. PMC4004819; DOI:10.1523/JNEUROSCI.2818-13.2014
- [11] **Toshikazu Ikuta***, Delbert G. Robinson, Juan A. Gallego, Bart D. Peters, Patricia Gruner, John Kane, Majnu John, Serge Sevy, Anil K. Malhotra, Philip R. Szeszko. (2014) **Subcortical modulation of attentional control by second-generation antipsychotics in first-episode psychosis.** *Psychiatry Research: Neuroimaging*, 221 (2), 127-134. PMC3946302; DOI:10.1016/j.pscychresns.2013.09.010
- [10] Bart D. Peters, **Toshikazu Ikuta**, Pamela DeRosse, Majnu John, Katherine Burdick, Patricia Gruner, Daniel Prendergast, Philip R. Szeszko, and Anil K. Malhotra. (2014) **Age-related differences in white matter tract microstructure are associated with cognitive performance from childhood to adulthood.** *Biological Psychiatry*, 75 (3), 248-256. PMC4004819; DOI:10.1016/j.biopsych.2013.05.020
- [9] **Toshikazu Ikuta***, Keith Shafritz, Joel Bregman, Bart D. Peters, Patricia Gruner, Anil K. Malhotra, and Philip R. Szeszko. (2014) **Abnormal cingulum bundle development in autism: a probabilistic tractography study.** *Psychiatry Research: Neuroimaging*, 221 (1), 63-68. PMC3918471; DOI:10.1016/j.pscychresns.2013.08.002
- [8] Miklos Argyelan, **Toshikazu Ikuta**, Pamela DeRosse, Raphael Braga, Katherine E. Burdick, Majnu John, Peter B. Kingsley, Anil K. Malhotra, and Philip R. Szeszko. (2014) **Resting state fMRI connectivity impairment in schizophrenia and bipolar disorder.** *Schizophrenia Bulletin*, 40(1), 100-110. PMC3885301; DOI:10.1093/schbul/sbt092
- [7] Erin Samplin, **Toshikazu Ikuta**, Anil K. Malhotra, Philip R. Szeszko, and Pam Derosse. (2013) **Sex differences in resilience to childhood maltreatment: effects of trauma history on hippocampal volume, general cognition and subclinical psychosis in healthy adults.** *Journal of Psychiatric Research*, 47 (9), 1174-1179. PMC3727151; DOI:10.1016/j.jpsychires.2013.05.008
- [6] Katie Mahon, Katherine E. Burdick, **Toshikazu Ikuta**, Patricia Gruner, Anil K. Malhotra, and Philip R. Szeszko. (2013) **Abnormal temporal lobe white matter as a biomarker for genetic risk of bipolar disorder.** *Biological Psychiatry*, 73 (2), 177-182. PMC3760506; DOI:10.1016/j.biopsych.2012.07.033
- [5] S. D. Newman, **T. Ikuta**, B. Pruce, and T. Burns. (2012) **When syntactic errors go unnoticed: an fMRI study of the effect of semantics on syntax.** *Revista Ilha do Desterro N.* 63, Jul/Dec 2012. ISBN 0101-4846.
- [4] B.D. Peters, P.R. Szeszko, J. Radua, **T. Ikuta**, P. Gruner, P. DeRosse, J. Zhang, A. Giorgio, D. Qiu, S. Tapert, J. Brauer, M.R. Asato, P. Khong, A.C. James, and A.K. Malhotra. (2012) **White matter development in adolescence: voxel-wise diffusion tensor imaging and meta-analytic results.** *Schizophrenia Bulletin*, 38 (6), 1308-1317.

PMC3494037; DOI:10.1093/schbul/sbs054

- [3] Patricia Gruner, An Vo, **Toshikazu Ikuta**, Katie Mahon, Bart D Peters, Anil K Malhotra, Aziz M Ulug and Philip R Szczesko. (2012) **White matter abnormalities in pediatric obsessive-compulsive disorder.** *Neuropsychopharmacology*, 37 (12), 2730-2739. PMC3473339; DOI:10.1038/npp.2012.138
- [2] **Toshikazu Ikuta**, Philip R Szczesko, Patricia Gruner, Pamela DeRosse, Juan Gallego, and Anil K Malhotra. (2012) **Abnormal anterior cingulate cortex activity predicts functional disability in schizophrenia.** *Schizophrenia Research*, 137 (1-3), 267-268. PMC3351499; DOI:10.1016/j.schres.2011.12.021
- [1] Sharlene D. Newman, **Toshikazu Ikuta**, and Thomas Burns Jr. (2010) **The effect of semantic relatedness on syntactic analysis: An fMRI study.** *Brain and Language*, 113, 51-58. PMC2854177; DOI:10.1016/j.bandl.2010.02.001

Letters

- Taro Kishi, Ikuo Nomura, **Toshikazu Ikuta**, and Nakao Iwata (2018) **Response to Dr. Kim and colleagues.** *Psychiatry Research*, 263, 291-292.
DOI:10.1016/j.psychres.2018.03.040
- Taro Kishi, **Toshikazu Ikuta**, Yuki Matsuda, and Nakao Iwata (2017) **Response to the letter from Dr. Veerman and colleagues.** *Psychopharmacology*, 234 (23-24), 3537-3538.
DOI:10.1007/s00213-017-4757-8

Conference Proceedings

- **Toshikazu Ikuta.** (2015) **Interactions between Quantifier Scope and Topic/Focus.** *Proceedings of the Florida Linguistics Yearly Meeting (FLYM)* 2. <http://journals.fcla.edu/floridalinguisticspapers/article/view/85091>
- A. Vo, P. Gruner, **T. Ikuta**, K. Mahon, V. Kafantaris, J. Gallego, K.E. Burdick, A. Ulug, and P.R. Szczesko. (2011) FA and tract changes in obsessive compulsive disorder. *Proceedings of the International Society for Magnetic Resonance in Medicine*, 19, 4227.
- **Toshikazu Ikuta.** (2006) **A'-movement after Case.** *Proceedings from the Annual Meeting of the Chicago Linguistic Society*. Volume 42, Number 2, 29-40.
- Damir Ćavar, Joshua Herring, **Toshikazu Ikuta**, Paul Rodrigues, and Giancarlo Schrementi. (2006) **On Unsupervised Grammar Induction from Untagged Corpora.** In: P. Kaszubski (ed.). PSiCL: *Poznań Studies in Contemporary Linguistics*. 41, Adam Mickiewicz University, Poznań, Poland. pp. 57-71.
- Damir Ćavar, Joshua Herring, **Toshikazu Ikuta**, Paul Rodrigues, and Giancarlo Schrementi. (2004) **On statistical parameter setting.** In: William Gregory Sakas (ed.). COLING 2004. First Workshop on Psycho-computational Models of Human Language Acquisition. pp. 9-16.
- Damir Ćavar, Joshua Herring, **Toshikazu Ikuta**, Paul Rodrigues, and Giancarlo Schrementi. (2004) **On induction of morphology grammars and its role in bootstrapping.** In: Jager, Paola Monachesi, Gerald Penn, and Shuly Winter (eds.). *Proceedings of Formal Grammar 2004*. pp. 47-62.

Conference Presentations

- Toshikazu Ikuta and Paige Rucker. (2017) **Functional Connectivity of the Pituitary Gland.** *The 46th annual meeting of the Society for Neuroscience*. Washington DC. Nov 11-15.
- Kosuke Yasuda and Toshikazu Ikuta. (2017) **Disrupted Functional Connectivity of the ILN in Schizophrenia.** *The 46th annual meeting of the Society for Neuroscience*. Washington DC. Nov 11-15.
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- Jeremiah Blough (2018) Master of Science Thesis "Experimentally Investigating the Joint Effects of Physical Activity and Sedentary Behavior on Depression: Randomized Control Trial." (Committee Member)
- Sydney Gully (2018) Senior Thesis "Measuring the Effects of Prosthetic Tactile Pacing on Overt

- Stuttering Frequency in Adults Who Stutter.” (Second Reader)
- Meliah K. Grant (2018) Senior Thesis “The Effects of Prosthetic Tactile Feedback on Persons Who Stutter.” (Second Reader)
 - Faith Harris (2018) Senior Thesis “The Effects of Acute Exercise and Learning Strategy Implementation on Episodic Memory Performance.” (Second Reader)
 - Paige Rucker (2017) Senior Thesis “Pituitary Gland Functional Connectivity and BMI.” (Chair)
 - Hannah Dau (2017) Senior Thesis “Comparative Effectiveness of an Exercise and Sedentary Break Intervention on Mood Profile and Dietary Behavior in Young Adults: Pilot Study.” (Second Reader)
 - Madison Jones (2017) Senior Thesis “Action Understanding via Mirror Neuron Systems: A Proposed Model for the Science and Treatment of Stuttering.” (Second Reader)
 - Sara Kiparizoska (2016) Senior Thesis “The Olfactory System in Schizophrenia: an rsfMRI Study of the Piriform Cortex.” (Chair)
 - Stephanie Trippel (2016) Senior Thesis “Newborn Diagnostics: Effects of Hearing Screening Failures, Appointment Attendance and Distance on Age of Hearing Loss Diagnosis.” (Chair)
 - Roya Gordji (2016) Senior Thesis “An Investigation of Abnormal Neural Connectivity Associated with Regions Implicated in ADHD.” (Second Reader)
 - Allison Nooe (2016) Master of Science Thesis “Influence of Exercise-Related Beliefs on Exercise Behavior.” (Committee Member)
 - Meghan K. Edwards (2016) Master of Science Thesis “Sedentary Behavior-Inducing Intervention on Various Health-Related Outcomes in Active, Young Adults.” (Committee Member)
 - Robert E. Davis (2015) Doctoral Dissertation “Understanding Physical Activity Behavior Among Older Adults: Accelerometer-Related Methodological Issues.” (Committee Member)
 - Alexandria Drakos (2015) Senior Thesis “Systematic Review and Meta-Analysis of Exercise Effects on Attention and Working Memory in Alzheimer’s Disease.” (Chair)
 - Marian Rebecca Bryant (2015) Senior Thesis “A Comparison of the Deaf Community and Hard-of-Hearing Individuals on Their Knowledge and Opinions of Cochlear Implants.” (Second Reader)