RRTP Resident Research Publications

The following is a list of academic publications by current and former RRTP trainees. Select a year below to see publications from that time period. (This list is updated on a semi-annual basis. It was last updated on November 1, 2015.)

2015

Lack of Evidence for Regional Brain Volume or Cortical Thickness Abnormalities in Youths at Clinical High Risk for Psychosis: Findings From the Longitudinal Youth at Risk Study? [1]
Alison Adcock, MD, PhD (November 2015)

Internal resilience, peer victimization, and suicidal ideation among adolescents [2]
Anna Ordoñez, MD (November 2015)

Competency-based medical education and scholarship: Creating an active academic culture during residency? [3]
Amin Azzam, MD (October 2015)

Does Mode of Contact with Different Types of Social Relationships Predict Depression in Older Adults? Evidence from a Nationally Representative Survey [4]
Alan Robert Teo, MD (October 2015)

Eleven-year follow up of boy with Asperger's syndrome and comorbid gender identity disorder of childhood [5]
Alan Robert Teo, MD (October 2015)

Joshua Woolley, MD, PhD (October 2015)

Aaron Besterman, MD (October 2015)

Advancing Research to Action in Global Child Mental Health [8]
Anna Ordoñez, MD (October 2015)

Multidimensional anatomy of 'modern type depression' in Japan: A proposal for a different diagnostic approach to depression beyond the DSM-5 [9]
Alan Robert Teo, MD (September 2015)

Social networks, mental health problems, and mental health service utilization in OEF/OIF National Guard veterans [10]
Alan Robert Teo, MD (September 2015)

The effect of cognitive challenge on delay discounting?
Gabriel Aranovich, MD (September 2015)

Astrocyte development: A Guide for the Perplexed
Anna Molofsky, MD, PhD (August 2015)

Functional and clinical insights from neuroimaging studies in childhood-onset schizophrenia
Anna Ordoñez, MD (August 2015)

Military Veterans' Experiences with Suicidal Ideation: Implications for Intervention and Prevention
Alan Robert Teo, MD (August 2015)

Hippocampal and Insular Response to Smoking-Related Environments: Neuroimaging Evidence for Drug-Context Effects in Nicotine Dependence?
Alison Adcock, MD, PhD (July 2015)

Intranasal Oxytocin Mechanisms Can Be Better Understood, but Its Effects on Social Cognition and Behavior Are Not to Be Sniffed At?
Joshua Woolley, MD, PhD (July 2015)

Psychopathology associated with social withdrawal: Idiopathic and comorbid presentations
Alan Robert Teo, MD (July 2015)

A culinary laboratory for nutrition education
Michael Jacob, MD (June 2015)

Generalized social anxiety disorder: A still-neglected anxiety disorder 3 decades since Liebowitz's review
Alan Robert Teo, MD (June 2015)

Use of a public film event to promote understanding and help seeking for social withdrawal
Alan Robert Teo, MD (June 2015)

Persistent perceptual disturbances after lithium toxicity: a case report and discussion?
Aaron Besterman, MD (May 2015)

Relationship between trusting behaviors and psychometrics associated with social network and depression among young generation: a pilot study
Alan Robert Teo, MD (April 2015)

Neuropsychological and dimensional behavioral trait profiles in Costa Rican ADHD sib pairs: Potential intermediate phenotypes for genetic studies
Anna Ordoñez, MD (March 2015)

Neuroimaging findings from childhood onset schizophrenia patients and their non-psychotic siblings
Anna Ordoñez, MD (March 2015)

Oxytocin administration selectively improves olfactory detection thresholds for lyral in patients with schizophrenia?
Joshua Woolley, MD, PhD (March 2015)

Spontaneous emergence of overgrown molar teeth in a colony of Prairie voles (Microtus ochrogaster) [26]

Devanand Manoli, MD, PhD (March 2015)

Oxytocin administration enhances controlled social cognition in patients with schizophrenia? [27]
Joshua Woolley, MD, PhD (February 2015)

Identification of the hikikomori syndrome of social withdrawal: Psychosocial features and treatment preferences in four countries [28]
Alan Robert Teo, MD (February 2015)

The prevalence and correlates of severe social withdrawal in Hong Kong [29]
Alan Robert Teo, MD (February 2015)

Evaluation of the Program in Medical Education for the Urban Underserved (PRIME-US) at the UC Berkeley-UCSF Joint Medical Program (JMP): The First 4 Years? [30]
Amin Azzam, MD (2015)

2014

Correlates of suicide among veterans treated in primary care: case-control study of a nationally representative sample [31]
Alan Robert Teo, MD (December 2014)

Postpartum depression screening in the pediatric emergency department? [32]
Ellen Bradley, MD (November 2014)

Resting state networks distinguish human ventral tegmental area from substantia nigra? [33]
Alison Adcock, MD, PhD (October 2014)

Internally displaced “victims of armed conflict” in Colombia: the trajectory and trauma signature of forced migration [34]
Anna Ordoñez, MD (October 2014)

Can we bottle psychosocial treatments for addiction? The role of oxytocin? [35]
Joshua Woolley, MD, PhD (September 2014)

Might cortical hyper-responsiveness in aging contribute to Alzheimer's disease?? [36]
Michael Jacob, MD (September 2014)

Enriched encoding: reward motivation organizes cortical networks for hippocampal detection of unexpected events [37]
Alison Adcock, MD, PhD (August 2014)

ADHD, altered dopamine neurotransmission, and disrupted reinforcement processes: implications for smoking and nicotine dependence? [38]
Alison Adcock, MD, PhD (July 2014)
Altered striatal functional connectivity in subjects with an at-risk mental state for psychosis? [39]
*Alison Adcock, MD, PhD* (July 2014)

Mechanisms of motivation-cognition interaction: challenges and opportunities? [40]
*Alison Adcock, MD, PhD* (June 2014)

Astrocyte-encoded positional cues maintain sensorimotor circuit integrity [41]
*Anna Molofsky, MD, PhD* (May 2014)

Context matters: the structure of task goals affects accuracy in multiple-target visual search [42]
*Alison Adcock, MD, PhD* (May 2014)

Neural pathways for the detection and discrimination of conspecific song in D. melanogaster [43]
*Devanand Manoli, MD, PhD* (May 2014)

Towards an Understanding of Neuropsychiatric Manifestations in Fragile X Premutation Carriers? [44]
*Aaron Besterman, MD; Scott Wilke, MD, PhD* (March 2014)

Satiety-related hormonal dysregulation in behavioral variant frontotemporal dementia [45]
*Joshua Woolley, MD, PhD* (February 2014)

Specific disruption of hippocampal mossy fiber synapses in a mouse model of familial Alzheimer's disease? [46]
*Scott Wilke, MD, PhD* (January 2014)

Two phase 3 trials of bapineuzumab in mild-to-moderate Alzheimer's disease [47]
*Jason Bermak, MD, PhD* (January 2014)

2013

Preserved working memory and altered brain activation in persons at risk for psychosis? [48]
*Alison Adcock, MD, PhD* (November 2013)

Expression profiling of Aldh1l1-precursors in the developing spinal cord reveals glial lineage-specific genes and direct Sox9-Nfe2l1 interactions [49]
*Anna Molofsky, MD, PhD* (September 2013)

How can we better manage difficult patient encounters? [50]
*Alan Robert Teo, MD* (August 2013)

Eleven-Year Outcomes From an Integrated Residency Program to Train Research Psychiatrists [51]
*Anna Ordoñez, MD; Alexander Tsai, MD* (July 2013)

Genetic and neural mechanisms that inhibit Drosophila from mating with other species [52]
*Devanand Manoli, MD, PhD* (July 2013)

Genome-wide association study of obsessive-compulsive disorder? [53]
*Amin Azzam, MD*
As technology and generations in medical education change, what remains is the intersection between educator, learners, assessment and context? [54]
Amin Azzam, MD (June 2013)

Neural control of sexually dimorphic behaviors [55]
Devanand Manoli, MD, PhD (June 2013)

Social isolation associated with depression: a case report of hikikomori [56]
Alan Robert Teo, MD (June 2013)

In vivo stimulus-induced vasodilation occurs without IP3 receptor activation and may precede astrocytic calcium increase [57]
Krystal Nizar, MD, PhD (May 2013)

The role of social isolation in social anxiety disorder: a systematic review and meta-analysis [58]
Alan Robert Teo, MD (May 2013)

Psychometric properties of the Japanese version of the Social Phobia Inventory [59]
Alan Robert Teo, MD (April 2013)

Size matters: how age and reaching experiences shape infants' preferences for different sized objects [60]
Alison Adcock, MD, PhD (April 2013)

Social relationships and depression: ten-year follow-up from a nationally representative study [61]
Alan Robert Teo, MD (April 2013)

Hippocampal networks habituate as novelty accumulates [62]
Alison Adcock, MD, PhD (March 2013)

Comorbid social withdrawal (hikikomori) in outpatients with social anxiety disorder: clinical characteristics and treatment response in a case series [63]
Alan Robert Teo, MD (February 2013)

Military Veterans’ Experiences with Suicidal Ideation: Implications for Intervention and Prevention [64]
Alan Robert Teo, MD (February 2013)

Deconstructing complexity: serial block-face electron microscopic analysis of the hippocampal mossy fiber synapse? [65]
Scott Wilke, MD, PhD (January 2013)

2012

Crossing the quality chasm in resource-limited settings? [66]
Bibhav Acharya, MD (2012)

The relationship between level of training and accuracy of violence risk assessment
Alan Robert Teo, MD (November 2012)

Genome-wide linkage analysis of obsessive-compulsive disorder implicates chromosome 1p36? [68]

Amin Azzam, MD (October 2012)

BDNF serum concentrations show no relationship with diagnostic group or medication status in neurodegenerative disease? [69]
Joshua Woolley, MD, PhD (September 2012)

Astrocytes and disease: a neurodevelopmental perspective [70]
Anna Molofsky, MD, PhD (July 2012)

Does the 'hikikomori' syndrome of social withdrawal exist outside Japan? A preliminary international investigation [71]
Alan Robert Teo, MD (July 2012)

Neuregulin 1-ErbB4-PI3K signaling in schizophrenia and phosphoinositide 3-kinase-p110? inhibition as a potential therapeutic strategy? [72]
Aaron Besterman, MD (July 2012)

Frontiers in optical imaging of cerebral blood flow and metabolism? [73]
Krystal Nizar, MD, PhD (July 2012)

In vivo alterations in calcium buffering capacity in transgenic mouse model of synucleinopathy? [74]
Krystal Nizar, MD, PhD (July 2012)

Regional astrocyte allocation regulates CNS synaptogenesis and repair [75]
Anna Molofsky, MD, PhD (July 2012)

Regulated temporal-spatial astrocyte precursor cell proliferation involves BRAF signalling in mammalian spinal cord [76]
Anna Molofsky, MD, PhD (July 2012)

The ethics of genetic testing in psychiatry? [77]
Aaron Besterman, MD (June 2012)

Threat of punishment motivates memory encoding via amygdala, not midbrain, interactions with the medial temporal lobe? [78]
Alison Adcock, MD, PhD (June 2012)

From primary care to public health: using Problem-based Learning and the ecological model to teach public health to first year medical students? [79]
Amin Azzam, MD (June 2012)

Generation of induced pluripotent stem cells from the prairie vole [80]
Devanand Manoli, MD, PhD (May 2012)

Schizophrenia or neurodegenerative disease prodrome? Outcome of a first psychotic episode in a 35-year-old woman?
Control of intestinal bacterial proliferation in regulation of lifespan in Caenorhabditis elegans?  

Ellen Bradley, MD (March 2012)

NeuroD2 regulates the development of hippocampal mossy fiber synapses?  
Scott Wilke, MD, PhD (February 2012)

On partnership?  
Bibhav Acharya, MD (2012)

2011

Cortisol awakening response prospectively predicts peritraumatic and acute stress reactions in police officers  
Brigitte Apfel, MD, PhD (December 2011)

Implementing a systems-oriented morbidity and mortality conference in remote rural Nepal for quality improvement  
Bibhav Acharya, MD (December 2011)

Introducing the concept of modern depression in Japan; an international case vignette survey  
Alan Robert Teo, MD (December 2011)

Is all motivation good for learning? Dissociable influences of approach and avoidance motivation in declarative memory?  
Alison Adcock, MD, PhD (October 2011)

Cadherin-9 regulates synapse-specific differentiation in the developing hippocampus?  
Scott Wilke, MD, PhD (August 2011)

Dorsolateral prefrontal cortex drives mesolimbic dopaminergic regions to initiate motivated behavior?  
Alison Adcock, MD, PhD (July 2011)

Functional dissection of the neural substrates for sexual behaviors in Drosophila melanogaster  
Devanand Manoli, MD, PhD (July 2011)

The key role of a transition course in preparing medical students for internship  
Alan Robert Teo, MD (July 2011)

Pretraumatic prolonged elevation of salivary MHPG predicts peritraumatic distress and symptoms of post-traumatic stress disorder  
Brigitte Apfel, MD, PhD (June 2011)

Protective factors for posttraumatic stress disorder symptoms in a prospective study of police officers
Electrophysiological and diffusion tensor imaging evidence of delayed corollary discharges in patients with schizophrenia? [95]
Alison Adcock, MD, PhD (May 2011)

Reprint of: fMRI studies of successful emotional memory encoding: a quantitative meta-analysis [96]
Alison Adcock, MD, PhD (March 2011)

The diagnostic challenge of psychiatric symptoms in neurodegenerative disease: rates of and risk factors for prior psychiatric diagnosis in patients with early neurodegenerative disease? [97]
Joshua Woolley, MD, PhD (February 2011)

Understanding the educational value of first-year medical students' patient encounter data? [98]
Amin Azzam, MD (2011)

2010

Hippocampal Volume Differences in Gulf War Veterans with Current versus Lifetime PTSD Symptoms [99]
Brigitte Apfel, MD, PhD (December 2010)

Neuromyelitis optica, psychiatric symptoms and primary polydipsia: a case report? [100]
Joshua Woolley, MD, PhD (November 2010)

Dopamine and adaptive memory? [101]
Alison Adcock, MD, PhD (October 2010)

fMRI studies of successful emotional memory encoding: A quantitative meta-analysis? [102]
Alison Adcock, MD, PhD (October 2010)

Impact of biopsychosocial factors on psychiatric training in Japan and overseas: are psychiatrists oriented to mind, brain, or sociocultural issues? [103]
Alan Robert Teo, MD (October 2010)

Mapping the spatiotemporal dynamics of calcium signaling in cellular neural networks using optical flow? [104]
Krystal Nizar, MD, PhD (August 2010)

Electrophysiological and diffusion tensor imaging evidence of delayed corollary discharges in patients with schizophrenia [105]
Alison Adcock, MD, PhD (July 2010)

ADHD prevalence and association with hoarding behaviors in childhood-onset OCD [106]
Amin Azzam, MD (July 2010)

Hikikomori, a Japanese culture-bound syndrome of social withdrawal?: A proposal for DSM-5 [107]
Alan Robert Teo, MD
Attitudes of early-career psychiatrists in Japan toward child and adolescent psychiatry and their career decision

Alan Robert Teo, MD (April 2010)

Functional significance of striatal responses during episodic decisions: recovery or goal attainment?

Alison Adcock, MD, PhD (March 2010)

A new form of social withdrawal in Japan: a review of hikikomori

Alan Robert Teo, MD (March 2010)

Timing is everything: neural response dynamics during syllable processing and its relation to higher-order cognition in schizophrenia and healthy comparison subjects

Alison Adcock, MD, PhD (February 2010)

Midline crossing by gustatory receptor neuron axons is regulated by fruitless, doublesex and the Roundabout receptors

Devanand Manoli, MD, PhD (January 2010)

Global health delivery 2.0: using open-access technologies for transparency and operations research

Bibhav Acharya, MD (December 2009)

When top-down meets bottom-up: auditory training enhances verbal memory in schizophrenia

Alison Adcock, MD, PhD (November 2009)

Estrogen masculinizes neural pathways and sex-specific behaviors

Devanand Manoli, MD, PhD (October 2009)

Activation in the VTA and nucleus accumbens increases in anticipation of both gains and losses?

Alison Adcock, MD, PhD (August 2009)

Krüppel-like factor 9 is necessary for late-phase neuronal maturation in the developing dentate gyrus and during adult hippocampal neurogenesis?

Scott Wilke, MD, PhD (August 2009)

Student near-peer co-tutors in PBL groups

Amin Azzam, MD (May 2009)

Manipulation of an innate escape response in Drosophila: photoexcitation of acj6 neurons induces the escape response

Devanand Manoli, MD, PhD (April 2009)

The development of clinical research training: past history and current trends in the United States
Bmi-1 over-expression in neural stem/progenitor cells increases proliferation and neurogenesis in culture but has little effect on these functions in vivo. 

Anna Molofsky, MD, PhD (January 2009)

Evidence for a heritable unidimensional symptom factor underlying obsessionality. 
Amin Azzam, MD (September 2008)

The prevalence of multiple sclerosis in the Middle East. 
Aaron Besterman, MD (August 2008)

Amin Azzam, MD (2008)

Frontotemporal dementia and mania. 
Joshua Woolley, MD, PhD (December 2007)

Binge eating is associated with right orbitofrontal-insular-striatal atrophy in frontotemporal dementia. 
Joshua Woolley, MD, PhD (November 2007)

Dynamic mapping of cortical development before and after the onset of pediatric bipolar illness. 
Anna Ordoñez, MD (September 2007)

Transforming the surgical time-out into a comprehensive preparatory pause.
Alan Robert Teo, MD (September 2007)

Opposing effects of intra-nucleus accumbens mu and kappa opioid agonists on sensory specific satiety. 
Joshua Woolley, MD, PhD (June 2007)

Misperceptions of medical education in Japan: how reform is changing the landscape. 
Alan Robert Teo, MD (June 2007)

Gaseous metabolism of the chicken embryo and hatchling during post-hypoxic recovery. 
Aaron Besterman, MD (May 2007)

Nucleus accumbens opioid signaling conditions short-term flavor preferences. 
Joshua Woolley, MD, PhD (April 2007)

Heritability and clinical features of multigenerational families with obsessive-compulsive disorder and hoarding. 
Amin Azzam, MD (March 2007)
The current state of medical education in Japan: a system under reform
Alan Robert Teo, MD (March 2007)

Dynamic mapping of hippocampal development in childhood onset schizophrenia
Anna Ordoñez, MD (February 2007)

Anxiety symptoms and perceived performance in medical students?
Amin Azzam, MD (2007)

2006

Nucleus accumbens opioids regulate flavor-based preferences in food consumption?
Joshua Woolley, MD, PhD (November 2006)

Increasing p16INK4a expression decreases forebrain progenitors and neurogenesis during ageing
Anna Molofsky, MD, PhD (September 2006)

Endogenous opioids encode relative taste preference?
Joshua Woolley, MD, PhD (August 2006)

Dynamic mapping of normal human hippocampal development?
Anna Ordoñez, MD (July 2006)

Blueprints for behavior: genetic specification of neural circuitry for innate behaviors
Devanand Manoli, MD, PhD (June 2006)

Reward-motivated learning: mesolimbic activation precedes memory formation?
Alison Adcock, MD, PhD (May 2006)

2005

Dysbindin (DTNBP1, 6p22.3) is associated with childhood-onset psychosis and endophenotypes measured by the Premorbid Adjustment Scale (PAS)?
Anna Ordoñez, MD (December 2005)

Lack of evidence for elevated obstetric complications in childhood onset schizophrenia
Anna Ordoñez, MD (July 2005)

Bmi-1 promotes neural stem cell self-renewal and neural development but not mouse growth and survival by repressing the p16Ink4a and p19Arf senescence pathways
Anna Molofsky, MD, PhD (June 2005)

Male-specific fruitless specifies the neural substrates of Drosophila courtship behaviour
Devanand Manoli, MD, PhD (June 2005)

Remembrance of rewards past?
Alison Adcock, MD, PhD (February 2005)

Psychiatric and neuropsychological characterization of Pallister-Hall syndrome
Amin Azzam, MD (January 2005)
Endogenous psychoactive tryptamines reconsidered: an anxiolytic role for dimethyltryptamine?
Michael Jacob, MD (2005)

Stem cell self-renewal and cancer cell proliferation are regulated by common networks that balance the activation of proto-oncogenes and tumor suppressors
Anna Molofsky, MD, PhD (2005)

2004

Diverse mechanisms regulate stem cell self-renewal
Anna Molofsky, MD, PhD (December 2004)

The autonomic and behavioral profile of emotional dysregulation?
Joshua Woolley, MD, PhD (November 2004)

Cognitive and behavioral profile in a case of right anterior temporal lobe neurodegeneration?
Joshua Woolley, MD, PhD (September 2004)

Acute ischemic injury of astrocytes is mediated by Na-K-Cl cotransport and not Ca2+ influx at a key point in white matter development
Scott Wilke, MD, PhD (August 2004)

Mechanism of acute ischemic injury of oligodendroglia in early myelinating white matter: the importance of astrocyte injury and glutamate release?
Scott Wilke, MD, PhD (August 2004)

Median bundle neurons coordinate behaviours during Drosophila male courtship
Devanand Manoli, MD, PhD (July 2004)

Pervasive developmental disorder and childhood-onset schizophrenia: comorbid disorder or a phenotypic variant of a very early onset illness?
Anna Ordoñez, MD (May 2004)

Androgen receptor YAC transgenic mice recapitulate SBMA motor neuronopathy and implicate VEGF164 in the motor neuron degeneration?
Scott Wilke, MD, PhD (March 2004)

2003

Meta-analysis of the association between the catecholamine-O-methyl-transferase gene and obsessive-compulsive disorder?
Amin Azzam, MD (November 2003)

Bmi-1 dependence distinguishes neural stem cell self-renewal from progenitor proliferation
Anna Molofsky, MD, PhD (October 2003)

2002

Intersex, a gene required for female sexual development in Drosophila, is expressed in both sexes and functions together with doublesex to regulate terminal differentiation
Devanand Manoli, MD, PhD (October 2002)

Prokineticin 2 transmits the behavioural circadian rhythm of the suprachiasmatic nucleus

Jason Bermak, MD, PhD (May 2002)

Interaction of gamma-COP with a transport motif in the D1 receptor C-terminus

Jason Bermak, MD, PhD (February 2002)

2001

Accessory proteins in the biogenesis of G protein-coupled receptors

Jason Bermak, MD, PhD (December 2001)

Sensitization of adenylate cyclase induced by a dopamine D2 receptor mutant: inverse agonism by D2 receptor antagonists

Jason Bermak, MD, PhD (October 2001)

Regulation of transport of the dopamine D1 receptor by a new membrane-associated ER protein

Jason Bermak, MD, PhD (May 2001)

Evidence for non-oxidative dopamine cytotoxicity: potent activation of NF-kappa B and lack of protection by anti-oxidants

Jason Bermak, MD, PhD (March 2001)

2000

Functional neuroanatomy of executive processes involved in dual-task performance?

Alison Adcock, MD, PhD (March 2000)

Modulation of dopamine D(2) receptor signaling by actin-binding protein (ABP-280)

Jason Bermak, MD, PhD (March 2000)

1995

Fear of environmental poisons? justifies fear or psychiatric disorder?

Brigitte Apfel, MD, PhD (April 1995)

1992

Respiratory sinus arrhythmia and cardiovascular responses to stress?

Alison Adcock, MD, PhD (July 1992)

1990

Caffeine effects on cardiovascular and neuroendocrine responses to acute psychosocial stress and their relationship to level of habitual caffeine consumption?

Alison Adcock, MD, PhD (May 1990)
Using the mood disorder questionnaire and bipolar spectrum diagnostic scale to detect bipolar disorder and borderline personality disorder among eating disorder patients.