CURRICULUM VITAE

SOPHIA VINOGRADOV, M.D.

PROFESSIONAL ADDRESS
University of Minnesota Medical School
Department of Psychiatry
Professor and Department Head
Donald W. Hastings Endowed Chair
2450 Riverside Avenue
F282/2A West
Minneapolis, MN 55454
TEL: 612-273-9820
FAX: 612-273-9779
Email: svinogra@umn.edu

IDENTIFYING INFORMATION

Education

Degree	Institution	Date Degree Granted
	Yale University, New Haven, CT Pre-medical (1975–1976)	
	Faculte de Medecine, Universite Louis Pasteur, Strasbourg, France Medicine (1977–1981)	
M.D.	Wayne State University School of Medicine, Detroit, MI Medicine	1983
Internship	Stanford University, Stanford, CA Department of Psychiatry Psychiatry	1983–1984
Resident	Stanford University, Stanford, CA Department of Psychiatry Psychiatry	1984–1986
Chief Resident	Palo Alto VA Medical Center, Palo Alto, CA and Stanford University, Stanford, CA Department of Psychiatry Psychiatry	1985–1986
Fellow	Palo Alto VA Medical Center, Palo Alto, CA and Stanford University, Stanford, CA Biological Psychiatry	1986–1989

Certifications, Licenses

Licensure:	MN Board of Medical Practice (61376)	2016 (current)
	Diplomate, American Board of Psychiatry and Neurology	1990 (current)
	Medical Licensure, California, (G53888)	1985 (current)

Academic Appointments

University of Minnesota Medical School–Twin Cities **2016–present**
Professor, Department of Psychiatry 2016–present
Donald W. Hastings Endowed Chair 2016–present
Graduate Program in Neuroscience, faculty 2016–present
Adjunct Professor, Department of Psychology 2018–present

University of California, San Francisco, CA **1992–present**
Full Adjunct Professor 2016–present
Professor 2004–2016
LPPI, Scientific Co-Director, Early Psychosis Research Program 2005–2013
Staff Psychiatrist, VAMC, San Francisco, CA 1992–2012
Associate Professor 1998–2004
Assistant Professor 1992–1998

Academic Administrative Appointments

University of Minnesota Medical School–Twin Cities
Head, Department of Psychiatry 2016–present

University of California, San Francisco, CA
Vice-Chair, Department of Psychiatry 2012–2016

San Francisco Veterans Affairs Medical Clinic, San Francisco, CA
Associate Chief of Staff for Mental Health 2012–2016
Associate Chief for Research and Education, Mental Health Services 2001–2012
Chief, Psychiatry Outpatient Services 1997–1999

Clinical/Hospital Appointments

San Francisco VAMC
Staff Psychiatrist, General Psychiatry, Mental Health Service 2010–2016

San Francisco VAMC
Director, Outpatient Psychopharmacology Teaching Clinic, Mental Health Service 1993–2010

California Pacific Medical Center, San Francisco, CA 1989–1992
Director, Outpatient Clinic

Current Membership and Offices in Professional Organizations

American Association of Chairs of Departments of Psychiatry 2017–present
International Congress on Schizophrenia Research, Scientific Program Committee 2012–present
Entertainment Software and Cognitive Neurotherapeutics Society, Founder 2011–present

American College of Neuropsychopharmacology, Fellow	2009–present
Scientific Program Committee Member	2015–present
Schizophrenia International Research Society (SIRS)	2008–present
Scientific Advisory Board	2013–present
Society for Neuroscience	2003–present
Society of Biological Psychiatry	1984–present
Scientific Program Committee	2013–present
Women's Leadership Group	2016–present

HONORS AND AWARDS FOR RESEARCH WORK, TEACHING, PUBLIC ENGAGEMENT, AND SERVICE

University of Minnesota

Dean's Distinguished Research Lecture and Award	2018

External Sources

NAMI National Scientific Research Award	2017
Cited in *Brain and Behavior's* 2012 Major Discoveries	2012
Alexander Gralnick Award for Research in Schizophrenia, American Psychiatric Foundation	2011
Alpha Omega Alpha Society, San Francisco chapter	2003
Laughlin Fellow Award, American College of Psychiatrists	1987

Teaching Awards

Inaugural Class, Academy of Medical Educators, UCSF School of Medicine	2001
Certificate of Distinction in Teaching, UCSF Medical School Class of 2002	2000
Excellence in Teaching Award, Psychiatry Residency Class 1998	1998
Nancy C.A. Roeske Teaching Award, American Psychiatric Association	1997
Clinical Teaching Award, UCSF Medical School Class of 1996	1996
Excellence in Teaching Award, UCSF Psychiatry Residency Class	1996
Distinction in Teaching Award, University of California, San Francisco	1995
Outstanding Lecture Series, UCSF Medical School Class of 1997	1995
Outstanding Teacher of the Year Award, California Pacific Medical Center	1991

KEYWORDS/AREAS OF INTEREST:

Schizophrenia, cognition, cognitive training, cognitive remediation, neuroplasticity, functional magnetic resonance imaging, psychotic illness, prodromal schizophrenia, early psychosis

RESEARCH AND SCHOLARSHIP

Grants and Contracts

External Sources

Current

1. Role: PI
   Grant No:
   Agency: NIMH
   Title: Early Psychosis Intervention Network (EPINET): Practice Based Research to Improve Treatment Outcomes

Dates:
Total Award:
Effort/Salary:

2. Role: PI
Grant No: R03 MH117254-01
Agency: NIH
Title: Cognition Trajectories in Cognitive Training and Early Intervention Treatment Programs in Schizophrenia
Dates: April 2019 – January 2021
Total Award: $500,000 over 2 years
Effort: 5% WOS*

3. Role: Co-PI
Grant No: UNK
Agency: Lynne and Andrew Redleaf Foundation
Title: Precision mental health for at-risk mothers: Addressing unmet cognitive needs
Dates: January 2019 – September 2021
Total Award: $1,186,036

4. Role: PI
Grant No: STUDY00006553 PSYCH-2019-27663
Agency: Lynne and Andrew Redleaf Foundation
Title: Discovery Program: Brain Imaging-Based Care in Psychiatry
Dates: January 2019 – September 2021
Direct Costs per Year:
Effort/Salary:

5. Role:
Grant No: STUDY00006553 PSYCH-2019-27465
Agency: Lynne and Andrew Redleaf Foundation
Title: Discovery Program: Behavioral Measurement-Based Care in Psychiatry
Dates: Januiary 2019 – September 2021
Direct Costs per Year:
Effort/Salary:

6. Role: PI
Grant No:114525
Agency: Minnesota Department of Human Services
Title: Adolescents Experiencing a First Episode of Psychosis
Dates: 10/27/16 – 06/30/20
Direct Costs Per Year: $879,907 over three years
Effort/Salary: 10%

7. Role: Co-PI
Grant No: R21 MH110208 (Vinogradov)
Agency: NIH
Title: Is cognitive training neuroprotective in early psychosis?
Dates: 07/01/17 – 06/30/19

The purpose of this study is to use high-resolution 7T MRI to determine whether intensive cognitive training in young first episode patients (FEP) is neuroprotective against the accelerated frontotemporal gray matter loss that characterizes early phase of illness.
Direct Costs per Year: $271,430 over three years
Effort/Salary: 1.2 cal mos* 10% WOS*

8. Role: PI
Grant No: Stanley Medical Research Institute (Vinogradov)
Title: Cognitive Training Delivered Remotely to Individuals with Psychosis
Dates: 02/01/16 – 01/28/19
The goal of this RCT is to demonstrate the efficacy of cognitive training when given to people with schizophrenia entirely remotely, using digital technology. Participants will be recruited, provide informed consent, assessed, enrolled, and engage in the study protocol, using web-based technology. They will be monitored and coached remotely. IF successful, this study will demonstrate the usefulness of a scalable treatment method that can be delivered to people without access to specialized treatment settings.
Direct Costs per Year: $450,000 over 3 years
Effort/Salary: 10%

Pending

9. Role: Co-PI
Grant No: Conte P50
Agency: NIH
Title: Dysfunctional State Representations in Psychosis and Autism: From Neurophysiology to Neuroplasticity-based Treatment
Dates: 04/01/2019-03/31/2024
Total Award: $15,250,198
Effort: 10% CS 5%

10. Role: PI
Grant No: R25
Agency: NIMH
Title: Research Education Programs in Computational Psychiatry for Psychiatry Residents
Dates: 04/01/2019-03/31/2024
Total Award: $ 1,078,800
Effort: .12 calendar

11. Role: PI
Grant No: ONR
Agency: Office of Naval Research (Department of the Navy Science & Technology)
Title: Neuropsychometrics: Development of a neurocognitive computational assessment suite
Dates: 09/01/2018-08/31/2021
Total Award: $1,214,577
Effort: 1.2

Past

1. Role: PI
Grant No: K12 HD055887
Agency: NIH/NICHHD

Title: Research Careers in Women's Health University of Minnesota Building Interdisciplinary Research Careers in Women's Health (BIRCWH)
Dates: 06/01/17—7/31/22
Total amount awarded: $446,905

2. Role: PI
Grant No: R13 NS083275 (Vinogradov)
Agency: NIA/NINDS
Title: Entertainment Software and Neurotherapeutics Society (ESCoNS) Conferences
Dates: 01/01/13 – 2/28/19
The purpose of this grant is to seek partial funding for the annual meeting of the Entertainment Software and Neurotherapeutics Society. The purpose of these meetings is to bring together cognitive scientists and interested academic and industry partners to initiate innovative collaborations and to develop computerized cognitive training and treatment tools.
Total Amount Awarded: $15,000
Effort/Salary: 1.2 cal mos* 10% WOS*

3. Role: Co-PI
Grant No: R01 MH102063 (Vinogradov/Loewy)
Agency: NIH/NIMH
Title: Community-Based Cognitive Training in Early Schizophrenia (COTES)
Dates: 09/19/13 – 07/31/18
The purpose of this study is to determine whether web-based cognitive training exercises delivered on a portable laptop computer can improve cognitive functioning in young patients with recent-onset schizophrenia who are being treated in community mental health settings.
Total Costs: $497,809 over five years
Effort/Salary: 2.7 cal mos 10%

4. Role: Co-I
Grant No: 2R44MH091793-03 (Nahum/Vinogradov)
Title: Computerized Social Cognition Training for Schizophrenia
Dates: 07/15/10 – 04/30/18
The primary objective of this study is to evaluate the efficacy of Socialville, an online training program developed by PositScience, Inc. to treat the social cognitive deficits evident in schizophrenia.
Total Awarded: $150,540
Effort/Salary: 5%

5. Role: Co-PI
Grant No: W81XWH-15-1-0042 (Woolley/Vinogradov)
Agency: DOD Joint Warfighter Medical Research Program
Title: Psychobiological Assessment and Enhancement of Team Cohesion and Psychological Resilience in ROTC Cadets Using a Virtual-Reality Team Cohesion Test
Dates: 06/01/15 – 06/30/18 (withdrew)
The goal of this project is to investigate the predictors and mechanisms of team cohesion and to determine if oxytocin can enhance team cohesion. Aims are (1) to identify psychological, behavioral, physiological, and hormonal markers and predictors of team cohesion by assessing these factors before and after a series of research-created performance variables, including a virtual reality (VR) team task and (2) to examine whether intranasal

administration of the prosocial neuropeptide oxytocin enhances the development of team cohesion.
Total Amount Awarded: $1,312,560 ($296,075 per year)
Effort/Salary: 0.6 cal mos 5%

6. Role: PI
Grant No: R34 MH100399 (Vinogradov)
Agency: NIMH
Title: Enhancing Functional Outcomes in Schizophrenia Using a Novel mHealth Approach
Dates: 08/01/13 – 05/31/17
The goal of this project is to complete the development and pilot testing of a mobile health app to improve motivation, thereby improving functional outcomes in individuals with recent-onset schizophrenia. This study will result in the first mobile app designed for individuals with schizophrenia.
Direct Costs per Year: $150,000
Effort/Salary: 0.6 cal mos 5%

7. Role: Multi-PI
Grant No: R03 TW009002
Agency: NIH/Fogarty
Title: Computerized Cognitive Training for schizophrenia in Brazil
Dates: 04/18/13 – 03/31/17
The goals of this project are: 1) to develop research expertise and a sustainable research infrastructure among psychiatrists in a developing country (Brazil) in the study of cognition in schizophrenia; 2) to modify a neuroscience-based computerized cognitive training program for schizophrenia so that it is adapted for the language and cultural milieu of Brazil; 3) to perform a clinical trial of cognitive training in the context of a developing country.
Direct Costs per Year: $50,807
Effort/Salary: 96 cal mos 8%

8. Role: PI
Grant No: R01 MH082818 (Vinogradov)
Agency: NIH/National Institute of Mental Health
Title: Optimizing Cognitive Remediation Outcomes in Schizophrenia
Dates: 08/01/09 – 02/28/16
The major goal of this study is to explicitly and aggressively drive an optimal response to neuroplasticity based cognitive remediation in schizophrenia in order to maximize treatment response.
Total Award: $2,909,642

9. Role: PI
Grant No: R01 MH068725-05 (Vinogradov)
Agency: NIH/National Institute of Mental Health
Title: Cognitive Remediation of Schizophrenia in a Community Mental Health Setting
Dates: 02/01/09 – 11/30/15
The purpose of this competitive renewal is: (1) To move our study of neuroplasticity-based cognitive remediation in schizophrenia out of the laboratory and into the community setting; (2) To demonstrate its specific utility as a method for restoring cognition and enhancing functional outcome in schizophrenia patients referred to a community-based supported employment (SE) program.
Total Award: $2,438,801

10. Role: PI
Grant No: R01MH081051 Vinogradov (PI)
Agency: NIMH
Title: Neuroscience-Guided Cognitive Remediation in Adolescents at Risk for Psychosis
Dates: 04/01/08 – 03/31/15
The purpose of this study is to study the efficacy of cognitive remediation on cognition and functional outcome in an adolescent population at high risk for developing schizophrenia.

11. Role: Co-Investigator
Grant No: 06TAF-972 (Stanley Foundation) Vinogradov (PI)
Agency:
Title: Randomized Clinical Trial of Intensive Computer-Based Cognitive Remediation in First-Episode Schizophrenia
Dates: 03/01/07 – 08/30/14
This study investigated the effects of computerized cognitive training exercises in individuals with first-episode schizophrenia relative to a control condition of commercially available computer games.

12. Role: Site PI
Grant No: 1R43MH091793 Nahum (PI)
Agency: NIH/NIMH
Title: A computerized neuro-plasticity based training module to remediate social cognition
Dates: 04/05/11 – 03/31/13

13. Role: Co-Investigator
Grant No: R21 MH086801 Vinogradov (PI)
Agency: NIH/NIMH
Title: Identification of Specific Motivation Deficits in Schizophrenia
Dates: 07/01/11 – 04/30/14
Our overall aims are to 1) provide a clear picture of motivational impairment in schizophrenia, especially as it appears in daily life, 2) investigate specific subcomponents of the construct of *wanting* in Schizophrenia, and 3) begin to examine the relationship between motivational impairment, cognitive impairment, and community outcome.

14. Role: Co-Investigator
Grant No: R24MH081807 Carter (PI)
Agency: NIMH
Title: Cognitive Control in Schizophrenia
Dates: 08/25/08 – 04/30/11

15. Role: PI
Grant No: S R01 MH68725 Vinogradov (PI)
Agency: NIMH
Title: Cognitive Remediation in Schizophrenia: Supplement
Dates: 03/01/08 – 02/28/09

16. Role: PI
Grant No: R01 MH068725 Vinogradov (PI)
Agency: NIMH
Title: Neuroscience-Guided Cognitive Remediation in Schizophrenia

Dates: 03/01/04 – 02/28/09

17. Role: Co-Investigator
Grant No: R42 MH73358 Merzenich (Co-Investigator)
Agency: NIMH
Title: Brain-Plasticity Based Training for Schizophrenia
Dates: 10/01/05 – 09/30/08

18. Role: Co-Investigator
Grant No: 1R01MH60870 Byerley (Co-Investigator)
Agency: NIMH
Title: Molecular Genetics of Schizophrenia
Dates: 10/01/03 – 09/30/07

19. Role: Co-Investigator
Grant No: 1R01MH60068 Byerley (Co-Investigator)
Agency: NIMH
Title: Collaborative Genomic Study of Bipolar Disorder
Dates: 10/01/03 – 08/31/07

20. Role: Co-PI
Grant No: RO1 MH60249 Brown (Co-PI)
Agency: NIMH
Title: Developmental Insult and Brain Anomaly in Schizophrenia
Dates: 02/01/02 – 03/31/05

21. Role: PI
Grant No: NA Vinogradov (PI)
Agency: NARSAD
Title: Designing Computer-Based Training Exercises for Schizophrenia
Dates: 09/15/00 - 09/15/02

22. Role: PI
Grant No: R-29 MH52906 (PI)
Agency: NIMH
Title: Heterogeneity in Schizophrenia: A Semantic Priming Approach
Dates: 1995 – 2000

23. Grant No: NA Vinogradov
Agency: Department of Veterans Affairs Merit Review
Title: Semantic Memory Deficits in Schizophrenia
Dates: 1994 – 1996

24. Role: PI
Grant No: NA Vinogradov (PI)
Agency: Scottish Rite Schizophrenia Research Grant
Title: Semantic Priming Experiments in Schizophrenia
Dates: 1990 – 1992

University Sources

University of California, San Francisco

1. Role: Co-Investigator
   Grant No: UCSF-CTSI UL1 TR000004 (Vinogradov/Biagianti)
   Agency: NH/NCATS
   Title: CLIMB: a mobile intervention for chronic psychosis
   Dates: 02/01/15 – 06/30/16
   The goals of the proposed project include testing the feasibility of delivering CLIMB to individuals with schizophrenia and the impact of such interventions on functioning, and health outcomes. Aims are (1) to investigate user experience and feasibility of CLIMB in individuals with schizophrenia using a mixed-methods evaluation approach, and (2) to evaluate engagement strategies that increase adherence and potential impact of CLIMB.
   Effort/Salary: WOS $50,000 Yr 01 DC

2. Grant No: UCSF REAC (Vinogradov/Ferguson)
   Agency: UCSF Springer & Emery Funds
   Title: Big Data Analytics for Biomarkers and Cognitive Plasticity in Schizophrenia
   Dates: 01/01/16 – 12/31/16
   The RAP Team Science grant will enable us to process existing serum samples from schizophrenia patients enrolled in cognitive training trials, in combination with the application of sophisticated machine learning algorithms to identify multivariant relationships between inflammatory cytokines on responsiveness to cognitive training. This grant bridges together experts in big-data approaches for accelerating translational discovery in central nervous system (CNS) disorders, inflammatory mechanisms in psychological trauma, and schizophrenia biomarkers and neurocognitive outcome assessment and training.
   Effort/Salary: WOS $75,000

3. Role: PI
   Grant No: NA (Vinogradov/Nagarajan)
   Agency: UCSF REAC
   Title: Improving auditory working memory in schizophrenia via neuromodulation of superior temporal cortex
   Dates: 01/01/16 – 12/31/16
   The goals of this story are to examine effects of rTMS-induced increase to task-related gamma power both in left STG and in PFC activity during auditory encoding and working memory and to determine the association of rTMS-induced plasticity in gamma oscillation activity in left STG and PFC with improved auditory working memory performance.
   Effort/Salary: 0.6 cal mos 5% $30,000

4. Role: Co-PI
   Grant No: NA Vinogradov (PI)
   Agency: UCSF Foundation, private donor grant
   Title: Intensive Computer-Based Cognitive Training Schizophrenia
   Dates: 1999 – 2000

5. Role: PI
   Grant No: NA Vinogradov (PI)
   Agency: Research Education and Allocation Committee, UCSF
   Title: Patterns of Brain Activation During a Source Memory Task
   Dates: 07/01/02 – 09/30/03

Publications

Impact Analytics

h-Index	*H(fl)*-Index	Total Publications	First/Last Author Publications	Total Citations	First/Last Author Citations
45	35	163	88	6797	4065

Peer-Reviewed Publication

1. **Vinogradov S**, Fisher M, Nahum M. Social Cognitive Training Improves Measures of Reward Processing in Schizophrenia. *Bio Psych.* 2019 May 15. doi: 10.1016/j.biopsych.2019.03.161.
2. Subramaniam K, Biagianti B, Hooker C, Fisher M, Nagarjan S, **Vinogradov S**. Social Cognitive Training Enhances Neural Activation Patterns Associated with Reward Processing in Schizophrenia. *Bio Psych*. 2019 May 15. doi: 10.1016/j.biopsych.2019.03.159.
3. Morishita H, **Vinogradov S**. Neuroplasticity and dysplasticity processes in schizophrenia. *Schizophr Res.* 2019 May 01. doi: 10.1016/j.schres.2019.03.008.
4. Ramsay I, Fryer S, Roach B, Boos A, Fisher M, Loewy R, Ford J, **Vinogradov S**, Mathalon D. Changes in frontal and temporal cortical thickness correlate with global cognitive changes following targeted cognitive training in schizophrenia. *Schizo Bull.* 2019 Apr 09. doi: 10.1093/schbul/sbz021.233.
5. Subramaniam K, Biagianti B, Hooker C, Fisher M, Nagarajan S, **Vinogradov S**. Social cognitive training improves motivation to earn rewarding outcomes in psychosis. 2019 Apr 09. doi: 10.1093/schubul/sbz022.015.
6. Kambeitz-Ilankovic L, Koutsouleris N, Wenzel J, Hass S, Fisher M, **Vinogradov S**, Subramaniam K. Individualized prediction of functional outcomes in schizophrenia patients in response to neuro-cognitive intervention: A machine learning analysis. *Schizo Bull.* 2019 Apr 09. doi: 10.1093/schbul/sbz022.016
7. Jahshan C, **Vinogradov S**, Wynn JK, Hellemann G, Green M. A randomized controlled trial comparing a "bottom-up" and "top-down" approach to cognitive training in schizophrenia. *Schizophr Res.* 2019 Feb 01. doi: 10.1016/j.jpsychires.2018.11.027.
8. Roach BJ, Ford JM, Biagianti B, Hamilton HK, Ramsay IS, Fisher MA, Loewy R, **Vinogradov S**, Mathalon DH. Efference copy/corollary discharge function and targeted cognitive training in patients with schizophrenia. *International Journal of Psychophysiology*. https://doi.org/10.1016/j.ijpsycho.2018.12.015.
9. Sathianathen NJ, Fan Y, Jarosek SL, Konety I, Weight CJ, **Vinogradov S**, & Konety BR. (2019). Disparities in Bladder Cancer Treatment and Survival Amongst Elderly Patients with a Pre-existing Mental Illness. *European Urology Focus.* https://doi.org/10.1016/j.euf.2019.02.007
10. Biagianti B, Fisher MA, Brandrett B, Schlosser D, Loewy R, Nahum M, **Vinogradov, S.** (2019). Development and testing of a web-based battery to remotely assess cognitive health in individuals with schizophrenia. *Schizophrenia Research*. https://doi.org/10.1016/j.schres.2019.01.047
11. Thomas ML, Bismark AW, Joshi YB, Tarasenko M, Treichler EBH, Hochberger WC, Zhang W, Nungaray J, Sprock J, Cardoso L, Tiernan K, Attarha M, Braff DL,

Vinogradov S, Swerdlow N, Light GA (in wpress). Targeted cognitive training improves auditory and verbal outcomes among treatment refractory schizophrenia patients mandated to residential care. *Schizophr Res.* doi:10.1016/j.schres.2018.07.025.

12. Kantrowitz J, Swerdlow N, Dunn W, **Vinogradov S**. Auditory system target engagement during plasticity-based interventions in schizophrenia: a focus on modulation of N-methyl-d-aspartate-type glutamate receptor function. *Bio Psych: Cognitive Neuroscience and Neuroimaging.* 2018 Feb 22. doi: 10.1016/j.bpsc.2018.02.002. PMID: 29656951

13. Subramaniam K, Gill J, Fisher M, Mukherjee P, Nagarajan S, **Vinogradov S**. White matter microstructure predicts cognitive training-induced improvements in attention and executive functioning in schizophrenia. *Schizophr Res.* 2018 Mar;193:276-283. doi: 10.1016/j.schres.2017.06.062. PMID: 28689758. PubMed Central PMCID: PMC5999406

14. Ramsay IS, Ma S, Fisher M, Loewy RL, Ragland JD, Neindam T, Carter CS, **Vinogradov S**. Model selection and prediction of outcomes in recent onset schizophrenia patients who undergo cognitive training. *Schizophr Res Cogn.* 2017 Nov 8;11:1-5. doi: 10.1016/j.scog.2017.10.001 eCollection 2018 Mar. PMID: 29159134. PubMed Central PMCID: PMC5684434

15. Ramsay IS, Fryer S, Boos A, Roach BJ, Fisher M, Loewy R, **Vinogradov S**, Mathalon DH. Response to Targeted Cognitive Training Correlates with Change in Thalamic Volume in a Randomized Trial for Early Schizophrenia. *Neuropsychopharmacology.* 2018 Feb;43(3):590-597. doi: 10.1038/npp.2017.213 Epub 2017 Sep 6. PMID: 28895568. PubMed Central PMCID: PMC5770762

16. Panizutti R, Fisher M, Garrett C, Man WH, Sena W, Madeira C, **Vinogradov S**. Association between increased serum d-serine and cognitive gains induced by intensive cognitive training in schizophrenia. *Schizophr Res.* 2018 Apr 23. doi: 10.1016/j.schres. 2018.04.011. PMID: 29699895

17. Loewy RL, Corey S, Amifathi F, Dabit S, Fulford D, Pearson R, Hua JPY, Schlosser D, Stuart BK, Mathalon DH, **Vinogradov S**. Childhood trauma and clinical high risk for psychosis. *Schizophr Res.* 2018 May 18. Pii:S0920-9964(18)30200-7. doi: 10.1016/j.schres.2018.05.003. PMID: 29779964

18. Schlosser D, Campellone TR, Truong B, Etter K, Vergani S, Komaiko K, **Vinogradov S**. Efficacy of PRIME, a mobile app intervention designed to improve motivation in young people with schizophrenia. *Schizophr Bull.* 2018 Jun 22. doi: 10.1093/schbul/sby078. PMID: 29939367

19. Hansen MC, Jones BD, Eack, SM, Glenthøj LB, Ikwzawa S, Iwane T, Kidd SA, Lepage M, Lindenmayer J-P, Ljuri I, Maida K, Matsuda Y, Nakagome K, Nordentoft M, Ozog V, Penney D, Saperstein AM, Sunaga A, **Vinogradov S**, Virdee G, Wojalik JA, Medalia A. Validation of the MUSIC Model of Motivation Inventory for use with cognitive training for schizophrenia spectrum disorders: A multinational study. *Schizophr Res.* doi: 10.1016/j.schres.2018.11.037

20. Biagianti B, Fisher M, Howard L, Rowlands Ab, **Vinogradov S**, Woolley J. Feasibility and preliminary efficacy of remotely delivering cognitive training to people with schizophrenia using tablets. *Scizophr Res Cogn.* 2017 Aug 3;10:7-14. doi: 10.1016/j.scot.2017.08.003. eCollection 2017 Dec. PubMed PMID: 28689758.

21. Blanchard JJ, Bradshaw KR, Garvia CP, Nasrallah HA, Harvey PD, Casey D, Csoboth CT, Hudson JI, Julian L, Lentz E, Neuchterlein KH, Perkins DO, Skale TG, Snowden LR, Tandon R, Tek C, Velligan D, **Vinogradov S**, O'Gorman C. Examining the

reliability and validity of the clinical assessment interview for negative symptoms within the management of schizophrenia in clinical practice (MOSAIC) multisite national study. *Schizophrenia Research.* 2017;S0920-9964(17)30011-7. doi: 10.1016/j.schres.2017.01.011. PubMed PMID: 28087270.

22. Swerdlow NR, Tarasenko M, Bhakta SG, Talledo J Alvarez AI, Hughes EL, Rana B, **Vinogradov S**, Light GA. Schizophrenia Bulletin. 2016. Amphetamine enhances gains in auditory discrimination training in adult schizophrenia patients. http://schizophreniabulletin.oxfordjournals.org/content/early/2016/10/25/schbul.sbw148.full. PubMed PMID: 27798224.

23. Subramaniam K, Ranasinghe KG, Mathalon D, Nagarajan S, **Vinogradov S**. Neural mechanisms of mood-induced modulation of reality monitoring in schizophrenia. *Cortex.* 2017;pii:S0010-9964(17)30011-7. doi: 10.1016/j.schres.2017.01.011. PubMed PMID: 28162778.

24. Schlosser DA, Campellone TR, Truong B, Anguera JA, Vergani S, **Vinogradov S**, Arean P. The feasibility, acceptability, and outcomes of PRIME-D: A novel mobile intervention treatment for depression. *Depression and Anxiety.* 2017 Apr 18. doi: 10.1002/da.22624. PubMed PMID: 28419621. PubMed Central PMCID: PMC5634707

25. Biagianti B, Roach BJ, Fisher M, Loewy R, Ford JM, **Vinogradov S**, Mathalon DH. Trait aspects of auditory mismatch negativity predict response to auditory training in individuals with early illness schizophrenia. *Neuropsychiatr Electrophysiol.* 2017; 3 pii: 2. doi: 10.1186/s40810-017-0024-9 Ephub 2017 Jun 9. PMID: 28845238. PubMed Central PMCID: PMC5568850

26. Wooley, JD, Chuang B, Fussell C, Scherer S, Biagianti B, Fulford D, Mathalon DH, **Vinogradov S**. Intranasal oxytocin increases facial expressivity, but not ratings of trustworthiness, in patients with schizophrenia and healthy controls. *Psychol Med.* 2017 May;47(7): 1311-1322. doi: 10.1017/S0033291716003433. Epub 2017 Jan 16. PubMed PMID: 28091349.

27. Porter RJ, Hammar Å, Beevers CG, Bowie CR, Nodtvedt ØO, Peckham AD, Siegle GH, Tharp JA, Ueland T, **Vinogradov S**, Johnson SL. Cognitive and affective remediation training for mood disorders. *Australian & New Zealand Journal of Psychiatry.* 2017;51(4):317-319. doi: 10.1177/0004867416678079. PubMed PMID: 28343432.

28. Fisher M, Nahum M, Howard E, Rowlands A, Brandrett B, Kermott A, Woolley J, **Vinogradov S**. Supplementing intensive targeted computerized cognitive training with social cognitive exercises for people with schizophrenia: An interim report. *Psychiatric Rehabilitation Journal.* 2017;40(1):21-32. doi: 10.1037/prj0000244. PubMed PMID: 28368179. PubMed Central PMCID: PMC5380146.

29. **Vinogradov S**: The golden age of computational psychiatry is within sight. Nature Human Behavior, 2017.

30. **Vinogradov S**, Nagarajan S. Association of sensory processing with higher-order congnition and functioning in schizophrenia: mapping the world. JAMA Psychiatry. 2017;74(1):17-18. doi: 10.1001/jamapsychiatry.2016.2992. PubMed PMID: 27926741.

31. Subramaniam K, Gill J, Slattery P, Shastri A, Mathalon DH, Nagarajan S, **Vinogradov S**. Neural mechanism of positive mood induced modulation of reality monitoring. Frontiers in Human Neuroscience. 2016;10:581. doi: 10.3389/fnhum.2016.00581. PubMed PMID: 27895571. PubMed Central PMCID: PMC5108806.

32. Biagianti B, Fisher, M, Neilands T, Loewy R, **Vinogradov S**. Engagement with the auditory processing system during targeted cognitive training mediates changes in cognitive outcomes in individuals with schizophrenia. Neuropsychiatry. 2016;30(8):998-1008. doi: 10.1037/neu0000311. PubMed PMID: 27617637; PubMed Central PMCID: PMC588059.

33. Biagianti B, Schlosser D, Nahum M, Woolley J, **Vinogradov S**. Creating live interactions to mitigate barriers (CLIMB): A mobile intervention to improve social functioning in people with chronic psychotic disorders. JMIR Mental Health. 2016;3(4):e52. doi: 10.2196/mental.6671. PubMed PMID: 27965190. PubMed Central PMCID: PMC5192235.

34. Woolley JD, Arcuni PA, Stauffer CS, Fulford D, Carson DS, Batki S, **Vinogradov S**. The effects of intranasal oxytocin in opioid-dependent individuals and healthy control subjects: a pilot study. Psychopharmacology. 2016;233(13):2571-80. doi: 10.1007/s00213-016-4308-8. PubMed PMID: 27137199.

35. Nuechterlein KH, Ventura J, McEwen SC, Gretchen-Doorly D, **Vinogradov S**, Subotnik KL. Schizophrenia Bulletin. 2016. Enhancing Cognitive Training Through Aerobic Exercise After a First Schizophrenia Episode: Theoretical Conception and Pilot Study. Schizophrenia Bulletin. 2016;42 Suppl 1:S44-52. doi: 10.1093/schbul/sbw007. PubMed PMID: 27460618; PubMed Central PMCID: PMC4960434.

36. Schlosser D, Campellone T, Kim D, Truong B, Vergani S, Ward C, **Vinogradov S**. Feasibility of PRIME: A Cognitive Neuroscience-Informed Mobile App Intervention to Enhance Motivated Behavior and Improve Quality of Life in Recent Onset Schizophrenia. JMIR Research Protocols. 2016;5(2):e77. doi: 10.2196/resprot.5450. PubMed PMID: 27125771; PubMed Central PMCID: PMC4865654.

37. Loewy R, Fisher M, Schlosser DA, Biagianti B, Stuart B, Mathalon DH, **Vinogradov S**. Intensive Auditory Cognitive Training Improves Verbal Memory in Adolescents and Young Adults at Clinical High Risk for Psychosis. Schizophrenia Bulletin. 2016. doi: 10.1093/schbul/sbw009. PubMed PMID: 26903238; PubMed Central PMCID: PMC4960436.

38. Tarasenko M, Perez VB, Pianka ST, **Vinogradov S**, Braff DL, Swerdlow NR, Light GA. Measuring the capacity for auditory system plasticity: An examination of performance gains during initial exposure to auditory-targeted cognitive training in schizophrenia. Schizophrenia Research. 2016;172(1-3):123-30. doi: 10.1016/j.schres.2016.01.019. PubMed PMID: 26851143; PubMed Central PMCID: PMC5072522.

39. Fisher M, Mellon SH, Wolkowitz O, **Vinogradov S**. Neuroscience-informed Auditory Training in Schizophrenia: A Final Report of the Effects on Cognition and Serum Brain-Derived Neurotrophic Factor. Schizophrenia Research Cognition. 2016;3:1-7. doi: 10.1016/j.scog.2015.10.006. PubMed PMID: 26705516; PubMed Central PMCID: PMC4685735.

40. Fisher M, Herman A, Stephens DB, **Vinogradov S**. Neuroscience-informed computer-assisted cognitive training in schizophrenia. Annals of the New York Academy of Sciences. 2016;1366(1):90-114. doi: 10.1111/nyas.13042. PubMed PMID: 27111135.

41. **Vinogradov S**, Herman A. Psychiatric Illnesses as Oscillatory Connectomopathies. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology. 2016;41(1):387-8. doi: 10.1038/npp.2015.308. PubMed PMID: 26657965; PubMed Central PMCID: PMC4677156.

42. **Vinogradov S**, Schulz SC. Behavioral and emerging pharmacologic treatment options for cognitive impairment in schizophrenia. The Journal of Clinical Psychiatry. 2016;77 Suppl 2:12-6. doi: 10.4088/JCP.14074su1c.03. PubMed PMID: 26919053.

43. Dale CL, Brown EG, Fisher M, Herman AB, Dowling AF, Hinkley LB, Subramaniam K, Nagarajan SS, **Vinogradov S**. Auditory Cortical Plasticity Drives Training-Induced Cognitive Changes in Schizophrenia. Schizophrenia Bulletin. 2016;42(1):220-8. doi: 10.1093/schbul/sbv087. PubMed PMID: 26152668; PubMed Central PMCID: PMC4681549.

44. Schlosser DA, Campellone TR, Biagianti B, Delucchi KL, Gard DE, Fulford D, Stuart BK, Fisher M, Loewy RL, **Vinogradov S**. Modeling the role of negative symptoms in determining social functioning in individuals at clinical high risk of psychosis. Schizophrenia Research. 2015;169(1-3):204-8. doi: 10.1016/j.schres.2015.10.036. PubMed PMID: 26530628; PubMed Central PMCID: PMC4681660.

45. Subramaniam K, Hooker CI, Biagianti B, Fisher M, Nagarajan S, **Vinogradov S**. Neural signal during immediate reward anticipation in schizophrenia: Relationship to real-world motivation and function. NeuroImage Clinical. 2015;9:153-63. doi: 10.1016/j.nicl.2015.08.001. PubMed PMID: 26413478; PubMed Central PMCID: PMC4556736.

46. Rose A, **Vinogradov S**, Fisher M, Green MF, Ventura J, Hooker C, Merzenich M, Nahum M. Randomized controlled trial of computer-based treatment of social cognition in schizophrenia: the TRuSST trial protocol. BMC Psychiatry. 2015;15:142. doi: 10.1186/s12888-015-0510-1. PubMed PMID: 26138715; PubMed Central PMCID: PMC4489025.

47. Nasrallah HA, Harvey PD, Casey D, Csoboth CT, Hudson JI, Julian L, Lentz E, Nuechterlein KH, Perkins DO, Kotowsky N, Skale TG, Snowden LR, Tandon R, Tek C, Velligan D, **Vinogradov S**, O'Gorman C. The Management of Schizophrenia in Clinical Practice (MOSAIC) Registry: a focus on patients, caregivers, illness severity, functional status, disease burden and healthcare utilization. Schizophrenia Research. 2015;166(1-3):69-79. doi: 10.1016/j.schres.2015.04.031. PubMed PMID: 26027848.

48. Woolley JD, Lam O, Chuang B, Ford JM, Mathalon DH, **Vinogradov S**. Oxytocin administration selectively improves olfactory detection thresholds for lyral in patients with schizophrenia. Psychoneuroendocrinology. 2015;53:217-22. doi: 10.1016/j.psyneuen.2014.12.018. PubMed PMID: 25637811; PubMed Central PMCID: PMC4503321.

49. Fisher M, Loewy R, Carter C, Lee A, Ragland JD, Niendam T, Schlosser D, Pham L, Miskovich T, **Vinogradov S**. Neuroplasticity-based auditory training via laptop computer improves cognition in young individuals with recent onset schizophrenia. Schizophrenia Bulletin. 2015;41(1):250-8. doi: 10.1093/schbul/sbt232. PubMed PMID: 24444862; PubMed Central PMCID: PMC4266283.

50. Fulford D, Pearson R, Stuart BK, Fisher M, Mathalon DH, **Vinogradov S**, Loewy RL. Symptom assessment in early psychosis: the use of well-established rating scales in clinical high-risk and recent-onset populations. Psychiatry Research. 2014;220(3):1077-83. doi: 10.1016/j.psychres.2014.07.047. PubMed PMID: 25278477; PubMed Central PMCID: PMC4258147.

51. Subramaniam K, Luks TL, Garrett C, Chung C, Fisher M, Nagarajan S, **Vinogradov S**. Intensive cognitive training in schizophrenia enhances working memory and associated

prefrontal cortical efficiency in a manner that drives long-term functional gains. NeuroImage. 2014;99:281-92. doi: 10.1016/j.neuroimage.2014.05.057. PubMed PMID: 24867353; PubMed Central PMCID: PMC4498800.

52. Keshavan MS, **Vinogradov S**, Rumsey J, Sherrill J, Wagner A. Cognitive training in mental disorders: update and future directions. The American Journal of Psychiatry. 2014;171(5):510-22. doi: 10.1176/appi.ajp.2013.13081075. PubMed PMID: 24700194; PubMed Central PMCID: PMC4114156.

53. Leutwyler H, Hubbard EM, Jeste DV, Miller B, **Vinogradov S**. Associations of schizophrenia symptoms and neurocognition with physical activity in older adults with schizophrenia. Biological Research for Nursing. 2014;16(1):23-30. doi: 10.1177/1099800413500845. PubMed PMID: 24057223; PubMed Central PMCID: PMC4059545.

54. Gard DE, Sanchez AH, Starr J, Cooper S, Fisher M, Rowlands A, **Vinogradov S**. Using self-determination theory to understand motivation deficits in schizophrenia: the 'why' of motivated behavior. Schizophrenia Research. 2014;156(2-3):217-22. doi: 10.1016/j.schres.2014.04.027. PubMed PMID: 24853060; PubMed Central PMCID: PMC4084414.

55. Gard DE, Sanchez AH, Cooper K, Fisher M, Garrett C, **Vinogradov S**. Do people with schizophrenia have difficulty anticipating pleasure, engaging in effortful behavior, or both? Journal of Abnormal Psychology. 2014;123(4):771-82. doi: 10.1037/abn0000005. PubMed PMID: 25133986; PubMed Central PMCID: PMC4227944.

56. Kalapatapu RK, Ho J, Cai X, **Vinogradov S**, Batki SL, Mohr DC. Cognitive-behavioral therapy in depressed primary care patients with co-occurring problematic alcohol use: effect of telephone-administered vs. face-to-face treatment—a secondary analysis. Journal of Psychoactive Drugs. 2014;46(2):85-92. doi: 10.1080/02791072.2013.876521. PubMed PMID: 25052784; PubMed Central PMCID: PMC4110640.

57. Schlosser DA, Fisher M, Gard D, Fulford D, Loewy RL, **Vinogradov S**. Motivational deficits in individuals at-risk for psychosis and across the course of schizophrenia. Schizophrenia Research. 2014;158(1-3):52-7. doi: 10.1016/j.schres.2014.06.024. PubMed PMID: 25008792; PubMed Central PMCID: PMC4152418.

58. Nahum M, Fisher M, Loewy R, Poelke G, Ventura J, Nuechterlein KH, Hooker CI, Green MF, Merzenich M, **Vinogradov S**. A novel, online social cognitive training program for young adults with schizophrenia: A pilot study. Schizophrenia Research Cognition. 2014;1(1):e11-e9. doi: 10.1016/j.scog.2014.01.003. PubMed PMID: 25267937; PubMed Central PMCID: PMC4175473.

59. Woolley JD, Chuang B, Lam O, Lai W, O'Donovan A, Rankin KP, Mathalon DH, **Vinogradov S**. Oxytocin administration enhances controlled social cognition in patients with schizophrenia. Psychoneuroendocrinology. 2014;47:116-25. doi: 10.1016/j.psyneuen.2014.04.024. PubMed PMID: 25001961; PubMed Central PMCID: PMC4280262.

60. Melhem NM, Lu C, Dresbold C, Middleton FA, Klei L, Wood S, Faraone SV, **Vinogradov S**, Tiobech J, Yano V, Roeder K, Byerley W, Myles-Worsley M, Devlin B. Characterizing runs of homozygosity and their impact on risk for psychosis in a population isolate. American journal of medical genetics Part B, Neuropsychiatric genetics : the Official Publication of the International Society of Psychiatric Genetics.

2014;165B(6):521-30. doi: 10.1002/ajmg.b.32255. PubMed PMID: 24980794; PubMed Central PMCID: PMC5058455.

61. Roemer N, Ochitill HN, **Vinogradov S**: Delusions, in Encyclopedia of the Neurological Sciences, Elsevier Science (USA), 2003.

62. Kalapatapu RK, Delucchi KL, Lasher BA, **Vinogradov S**, Batki SL. Alcohol use biomarkers predicting cognitive performance: a secondary analysis in veterans with alcohol dependence and posttraumatic stress disorder. Military Medicine. 2013;178(9):974-80. doi: 10.7205/MILMED-D-13-00097. PubMed PMID: 24005546; PubMed Central PMCID: PMC3815580.

63. Hooker CI, Bruce L, Fisher M, Verosky SC, Miyakawa A, D'Esposito M, **Vinogradov S**. The influence of combined cognitive plus social-cognitive training on amygdala response during face emotion recognition in schizophrenia. Psychiatry Research. 2013;213(2):99-107. doi: 10.1016/j.pscychresns.2013.04.001. PubMed PMID: 23746615.

64. Kalapatapu RK, Lewis DF, **Vinogradov S**, Batki SL, Winhusen T. Relationship of age to impulsivity and decision making: a baseline secondary analysis of a behavioral treatment study in stimulant use disorders. Journal of Addictive Diseases. 2013;32(2):206-16. doi: 10.1080/10550887.2013.795471. PubMed PMID: 23815427; PubMed Central PMCID: PMC3703837.

65. Subramaniam K, **Vinogradov S**. Improving the neural mechanisms of cognition through the pursuit of happiness. Frontiers in Human Neuroscience. 2013;7:452. doi: 10.3389/fnhum.2013.00452. PubMed PMID: 23966924; PubMed Central PMCID: PMC3735982.

66. Sacks S, Fisher M, Garrett C, Alexander P, Holland C, Rose D, Hooker C, **Vinogradov S**. Combining computerized social cognitive training with neuroplasticity-based auditory training in schizophrenia. Clinical Schizophrenia & Related Psychoses. 2013;7(2):78-86A. doi: 10.3371/CSRP.SAFI.012513. PubMed PMID: 23367504.

67. Fulford D, Niendam TA, Floyd EG, Carter CS, Mathalon DH, **Vinogradov S**, Stuart BK, Loewy RL. Symptom dimensions and functional impairment in early psychosis: more to the story than just negative symptoms. Schizophrenia Research. 2013;147(1):125-31. doi: 10.1016/j.schres.2013.03.024. PubMed PMID: 23587696; PubMed Central PMCID: PMC3663589.

68. **Vinogradov S**, Fisher M, Nagarajan S. Cognitive training in schizophrenia: golden age or wild west? Biological Psychiatry. 2013;73(10):935-7. doi: 10.1016/j.biopsych.2013.03.015. PubMed PMID: 23628236.

69. Freedman D, Bao Y, Kremen WS, **Vinogradov S**, McKeague IW, Brown AS. Birth weight and neurocognition in schizophrenia spectrum disorders. Schizophrenia Bulletin. 2013;39(3):592-600. doi: 10.1093/schbul/sbs008. PubMed PMID: 22378899; PubMed Central PMCID: PMC3627778.

70. Herman AB, Houde JF, **Vinogradov S**, Nagarajan SS. Parsing the phonological loop: activation timing in the dorsal speech stream determines accuracy in speech reproduction. The Journal of neuroscience : the official journal of the Society for Neuroscience. 2013;33(13):5439-53. doi: 10.1523/JNEUROSCI.1472-12.2013. PubMed PMID: 23536060; PubMed Central PMCID: PMC3711632.

71. Fisher M, Loewy R, Hardy K, Schlosser D, **Vinogradov S**. Cognitive interventions targeting brain plasticity in the prodromal and early phases of schizophrenia. Annual

Review of Clinical Psychology. 2013;9:435-63. doi: 10.1146/annurev-clinpsy-032511-143134. PubMed PMID: 23297786; PubMed Central PMCID: PMC4745413.

72. Subramaniam K, **Vinogradov S**. Cognitive training for psychiatric disorders. Neuropsychopharmacology : Official Publication of the American College of Neuropsychopharmacology. 2013;38(1):242-3. doi: 10.1038/npp.2012.177. PubMed PMID: 23147484; PubMed Central PMCID: PMC3521981.

73. Biagianti B, **Vinogradov S**. Computerized cognitive training targeting brain plasticity in schizophrenia. Progress in Brain Research. 2013;207:301-26. doi: 10.1016/B978-0-444-63327-9.00011-4. PubMed PMID: 24309260.

74. Panizzutti R, Hamilton SP, **Vinogradov S**. Genetic correlate of cognitive training response in schizophrenia. Neuropharmacology. 2013;64:264-7. doi: 10.1016/j.neuropharm.2012.07.048. PubMed PMID: 22992330; PubMed Central PMCID: PMC3448064.

75. Perez VB, Ford JM, Roach BJ, Loewy RL, Stuart BK, **Vinogradov S**, Mathalon DH. Auditory cortex responsiveness during talking and listening: early illness schizophrenia and patients at clinical high-risk for psychosis. Schizophrenia Bulletin. 2012;38(6):1216-24. doi: 10.1093/schbul/sbr124. PubMed PMID: 21993915; PubMed Central PMCID: PMC3494053.

76. Hooker CI, Bruce L, Fisher M, Verosky SC, Miyakawa A, **Vinogradov S**. Neural activity during emotion recognition after combined cognitive plus social cognitive training in schizophrenia. Schizophrenia Research. 2012;139(1-3):53-9. doi: 10.1016/j.schres.2012.05.009. PubMed PMID: 22695257; PubMed Central PMCID: PMC4346150.

77. Ellman LM, **Vinogradov S**, Kremen WS, Poole JH, Kern DM, Deicken RF, Brown AS. Low maternal hemoglobin during pregnancy and diminished neuromotor and neurocognitive performance in offspring with schizophrenia. Schizophrenia Research. 2012;138(1):81-7. doi: 10.1016/j.schres.2012.04.008. PubMed PMID: 22608109; PubMed Central PMCID: PMC3592571.

78. Subramaniam K, Luks TL, Fisher M, Simpson GV, Nagarajan S, **Vinogradov S**. Computerized cognitive training restores neural activity within the reality monitoring network in schizophrenia. Neuron. 2012;73(4):842-53. doi: 10.1016/j.neuron.2011.12.024. PubMed PMID: 22365555; PubMed Central PMCID: PMC3295613.

79. Keefe RS, **Vinogradov S**, Medalia A, Buckley PF, Caroff SN, D'Souza DC, Harvey PD, Graham KA, Hamer RM, Marder SM, Miller DD, Olson SJ, Patel JK, Velligan D, Walker TM, Haim AJ, Stroup TS. Feasibility and pilot efficacy results from the multisite Cognitive Remediation in the Schizophrenia Trials Network (CRSTN) randomized controlled trial. The Journal of Clinical Psychiatry. 2012;73(7):1016-22. doi: 10.4088/JCP.11m07100. PubMed PMID: 22687548; PubMed Central PMCID: PMC3746329.

80. Perez VB, Ford JM, Roach BJ, Woods SW, McGlashan TH, Srihari VH, Loewy RL, **Vinogradov S**, Mathalon DH. Error monitoring dysfunction across the illness course of schizophrenia. Journal of Abnormal Psychology. 2012;121(2):372-87. doi: 10.1037/a0025487. PubMed PMID: 22060947; PubMed Central PMCID: PMC3358508.

81. **Vinogradov S**, Fisher M, de Villers-Sidani E. Cognitive training for impaired neural systems in neuropsychiatric illness. Neuropsychopharmacology : Official Publication of

the American College of Neuropsychopharmacology. 2012;37(1):43-76. doi: 10.1038/npp.2011.251. PubMed PMID: 22048465; PubMed Central PMCID: PMC3238091.

82. Hooker CI, Bruce L, Lincoln SH, Fisher M, **Vinogradov S**. Theory of mind skills are related to gray matter volume in the ventromedial prefrontal cortex in schizophrenia. Biological Psychiatry. 2011;70(12):1169-78. doi: 10.1016/j.biopsych.2011.07.027. PubMed PMID: 21917239; PubMed Central PMCID: PMC3432316.

83. Hinkley LB, **Vinogradov S**, Guggisberg AG, Fisher M, Findlay AM, Nagarajan SS. Clinical symptoms and alpha band resting-state functional connectivity imaging in patients with schizophrenia: implications for novel approaches to treatment. Biological Psychiatry. 2011;70(12):1134-42. doi: 10.1016/j.biopsych.2011.06.029. PubMed PMID: 21861988; PubMed Central PMCID: PMC3327723.

84. Melhem N, Middleton F, McFadden K, Klei L, Faraone SV, **Vinogradov S**, Tiobech J, Yano V, Kuartei S, Roeder K, Byerley W, Devlin B, Myles-Worsley M. Copy number variants for schizophrenia and related psychotic disorders in Oceanic Palau: risk and transmission in extended pedigrees. Biological Psychiatry. 2011;70(12):1115-21. doi: 10.1016/j.biopsych.2011.08.009. PubMed PMID: 21982423; PubMed Central PMCID: PMC3224197.

85. Keefe RS, **Vinogradov S**, Medalia A, Silverstein SM, Bell MD, Dickinson D, Ventura J, Marder SR, Stroup TS. Report from the working group conference on multisite trial design for cognitive remediation in schizophrenia. Schizophrenia Bulletin. 2011;37(5):1057-65. doi: 10.1093/schbul/sbq010. PubMed PMID: 20194249; PubMed Central PMCID: PMC3160227.

86. Freedman D, Deicken R, Kegeles LS, **Vinogradov S**, Bao Y, Brown AS. Maternal-fetal blood incompatibility and neuromorphologic anomalies in schizophrenia: Preliminary findings. Progress in Neuro-Psychopharmacology & Biological Psychiatry. 2011;35(6):1525-9. doi: 10.1016/j.pnpbp.2011.04.012. PubMed PMID: 21570439; PubMed Central PMCID: PMC3142286.

87. Brown AS, **Vinogradov S**, Kremen WS, Poole JH, Bao Y, Kern D, McKeague IW. Association of maternal genital and reproductive infections with verbal memory and motor deficits in adult schizophrenia. Psychiatry Research. 2011;188(2):179-86. doi: 10.1016/j.psychres.2011.04.020. PubMed PMID: 21600665; PubMed Central PMCID: PMC3114294.

88. Loewy RL, Pearson R, **Vinogradov S**, Bearden CE, Cannon TD. Psychosis risk screening with the Prodromal Questionnaire--brief version (PQ-B). Schizophrenia Research. 2011;129(1):42-6. doi: 10.1016/j.schres.2011.03.029. PubMed PMID: 21511440; PubMed Central PMCID: PMC3113633.

89. Cramer SC, Sur M, Dobkin BH, O'Brien C, Sanger TD, Trojanowski JQ, Rumsey JM, Hicks R, Cameron J, Chen D, Chen WG, Cohen LG, deCharms C, Duffy CJ, Eden GF, Fetz EE, Filart R, Freund M, Grant SJ, Haber S, Kalivas PW, Kolb B, Kramer AF, Lynch M, Mayberg HS, McQuillen PS, Nitkin R, Pascual-Leone A, Reuter-Lorenz P, Schiff N, Sharma A, Shekim L, Stryker M, Sullivan EV, **Vinogradov S**. Harnessing neuroplasticity for clinical applications. Brain : a Journal of Neurology. 2011;134(Pt 6):1591-609. doi: 10.1093/brain/awr039. PubMed PMID: 21482550; PubMed Central PMCID: PMC3102236.

90. Gard DE, Cooper S, Fisher M, Genevsky A, Mikels JA, **Vinogradov S**. Evidence for an emotion maintenance deficit in schizophrenia. Psychiatry Research. 2011;187(1-2):24-9. doi: 10.1016/j.psychres.2010.12.018. PubMed PMID: 21237516; PubMed Central PMCID: PMC3070787.

91. Myles-Worsley M, Tiobech J, Blailes F, Middleton FA, **Vinogradov S**, Byerley W, Faraone SV. Familial transmission of schizophrenia in Palau: A 20-year genetic epidemiological study in three generations. American journal of medical genetics Part B, Neuropsychiatric genetics : the Official Publication of the International Society of Psychiatric Genetics. 2011;156B(3):247-54. doi: 10.1002/ajmg.b.31171. PubMed PMID: 21294248.

92. Hooker CI, Tully LM, Verosky SC, Fisher M, Holland C, **Vinogradov S**. Can I trust you? Negative affective priming influences social judgments in schizophrenia. Journal of Abnormal Psychology. 2011;120(1):98-107. doi: 10.1037/a0020630. PubMed PMID: 20919787; PubMed Central PMCID: PMC3170843.

93. Genevsky A, Garrett CT, Alexander PP, **Vinogradov S**. Cognitive training in schizophrenia: a neuroscience-based approach. Dialogues in Clinical Neuroscience. 2010;12(3):416-21. PubMed PMID: 20954435; PubMed Central PMCID: PMC3181983.

94. Hinkley LB, Owen JP, Fisher M, Findlay AM, **Vinogradov S**, Nagarajan SS. Cognitive Impairments in Schizophrenia as Assessed Through Activation and Connectivity Measures of Magnetoencephalography (MEG) Data. Frontiers in Human Neuroscience. 2010;3:73. doi: 10.3389/neuro.09.073.2009. PubMed PMID: 21160543; PubMed Central PMCID: PMC2991173.

95. Ellman LM, Deicken RF, **Vinogradov S**, Kremen WS, Poole JH, Kern DM, Tsai WY, Schaefer CA, Brown AS. Structural brain alterations in schizophrenia following fetal exposure to the inflammatory cytokine interleukin-8. Schizophrenia Research. 2010;121(1-3):46-54. doi: 10.1016/j.schres.2010.05.014. PubMed PMID: 20553865; PubMed Central PMCID: PMC2910151.

96. Fisher M, Holland C, Subramaniam K, **Vinogradov S**. Neuroplasticity-based cognitive training in schizophrenia: an interim report on the effects 6 months later. Schizophrenia Bulletin. 2010;36(4):869-79. doi: 10.1093/schbul/sbn170. PubMed PMID: 19269924; PubMed Central PMCID: PMC2894606.

97. Kremen WS, **Vinogradov S**, Poole JH, Schaefer CA, Deicken RF, Factor-Litvak P, Brown AS. Cognitive decline in schizophrenia from childhood to midlife: a 33-year longitudinal birth cohort study. Schizophrenia Research. 2010;118(1-3):1-5. doi: 10.1016/j.schres.2010.01.009. PubMed PMID: 20153140; PubMed Central PMCID: PMC3184642.

98. Schlosser DA, Zinberg JL, Loewy RL, Casey-Cannon S, O'Brien MP, Bearden CE, **Vinogradov S**, Cannon TD. Predicting the longitudinal effects of the family environment on prodromal symptoms and functioning in patients at-risk for psychosis. Schizophrenia Research. 2010;118(1-3):69-75. doi: 10.1016/j.schres.2010.01.017. PubMed PMID: 20171848; PubMed Central PMCID: PMC2856759.

99. Dale CL, Findlay AM, Adcock RA, Vertinski M, Fisher M, Genevsky A, Aldebot S, Subramaniam K, Luks TL, Simpson GV, Nagarajan SS, **Vinogradov S**. Timing is everything: neural response dynamics during syllable processing and its relation to higher-order cognition in schizophrenia and healthy comparison subjects. International Journal of Psychophysiology : Official Journal of the International Organization of

Psychophysiology. 2010;75(2):183-93. doi: 10.1016/j.ijpsycho.2009.10.009. PubMed PMID: 19879305; PubMed Central PMCID: PMC2827627.

100. Gard DE, Fisher M, Garrett C, Genevsky A, **Vinogradov S**. Motivation and its relationship to neurocognition, social cognition, and functional outcome in schizophrenia. Schizophrenia Research. 2009;115(1):74-81. doi: 10.1016/j.schres.2009.08.015. PubMed PMID: 19783407; PubMed Central PMCID: PMC2757502.

101. Adcock RA, Dale C, Fisher M, Aldebot S, Genevsky A, Simpson GV, Nagarajan S, **Vinogradov S**. When top-down meets bottom-up: auditory training enhances verbal memory in schizophrenia. Schizophrenia Bulletin. 2009;35(6):1132-41. doi: 10.1093/schbul/sbp068. PubMed PMID: 19745022; PubMed Central PMCID: PMC2762623.

102. **Vinogradov S**, Fisher M, Holland C, Shelly W, Wolkowitz O, Mellon SH. Is serum brain-derived neurotrophic factor a biomarker for cognitive enhancement in schizophrenia? Biological Psychiatry. 2009;66(6):549-53. doi: 10.1016/j.biopsych.2009.02.017. PubMed PMID: 19368899; PubMed Central PMCID: PMC4691262.

103. **Vinogradov S**, Fisher M, Warm H, Holland C, Kirshner MA, Pollock BG. The cognitive cost of anticholinergic burden: decreased response to cognitive training in schizophrenia. The American Journal of Psychiatry. 2009;166(9):1055-62. doi: 10.1176/appi.ajp.2009.09010017. PubMed PMID: 19570929; PubMed Central PMCID: PMC3735363.

104. Fisher M, Holland C, Merzenich MM, **Vinogradov S**. Using neuroplasticity-based auditory training to improve verbal memory in schizophrenia. The American Journal of Psychiatry. 2009;166(7):805-11. doi: 10.1176/appi.ajp.2009.08050757. PubMed PMID: 19448187; PubMed Central PMCID: PMC2720319.

105. Brown AS, **Vinogradov S**, Kremen WS, Poole JH, Deicken RF, Penner JD, McKeague IW, Kochetkova A, Kern D, Schaefer CA. Prenatal exposure to maternal infection and executive dysfunction in adult schizophrenia. The American Journal of Psychiatry. 2009;166(6):683-90. doi: 10.1176/appi.ajp.2008.08010089. PubMed PMID: 19369317; PubMed Central PMCID: PMC2885160.

106. Brown AS, Deicken RF, **Vinogradov S**, Kremen WS, Poole JH, Penner JD, Kochetkova A, Kern D, Schaefer CA. Prenatal infection and cavum septum pellucidum in adult schizophrenia. Schizophrenia Research. 2009;108(1-3):285-7. doi: 10.1016/j.schres.2008.11.018. PubMed PMID: 19135339; PubMed Central PMCID: PMC2821035.

107. Minzenberg MJ, Poole JH, **Vinogradov S**. A neurocognitive model of borderline personality disorder: effects of childhood sexual abuse and relationship to adult social attachment disturbance. Development and Psychopathology. 2008;20(1):341-68. doi: 10.1017/S0954579408000163. PubMed PMID: 18211741.

108. Browne A, Jakary A, **Vinogradov S**, Fu Y, Deicken RF. Automatic relevance determination for identifying thalamic regions implicated in schizophrenia. IEEE Trans Neural Netw. 2008 Jun;19(6):1101-7. Doi: 10.1109/TNN.2008.2000203. PubMed PMID: 18541507.

109. Fisher M, McCoy K, Poole JH, **Vinogradov S**. Self and other in schizophrenia: a cognitive neuroscience perspective. The American Journal of Psychiatry. 2008;165(11):1465-72. doi: 10.1176/appi.ajp.2008.07111806. PubMed PMID: 18708487.

110. **Vinogradov S**, Luks TL, Schulman BJ, Simpson GV. Deficit in a neural correlate of reality monitoring in schizophrenia patients. Cerebral Cortex. 2008;18(11):2532-9. doi: 10.1093/cercor/bhn028. PubMed PMID: 18321870; PubMed Central PMCID: PMC2567419.

111. Sanders AR, Duan J, Levinson DF, Shi J, He D, Hou C, Burrell GJ, Rice JP, Nertney DA, Olincy A, Rozic P, **Vinogradov S**, Buccola NG, Mowry BJ, Freedman R, Amin F, Black DW, Silverman JM, Byerley WF, Crowe RR, Cloninger CR, Martinez M, Gejman PV. No significant association of 14 candidate genes with schizophrenia in a large European ancestry sample: implications for psychiatric genetics. The American Journal of Psychiatry. 2008;165(4):497-506. doi: 10.1176/appi.ajp.2007.07101573. PubMed PMID: 18198266.

112. Kumra S, Oberstar JV, Sikich L, Findling RL, McClellan JM, **Vinogradov S**, Schulz CS. Efficacy and tolerability of second-generation antipsychotics in children and adolescents with schizophrenia. Schizophrenia Bulletin. 2008;34(1):60-71. doi: 10.1093/schbul/sbm109. PubMed PMID: 17923452; PubMed Central PMCID: PMC2632383.

113. Minzenberg MJ, Poole JH, **Vinogradov S**. Social-emotion recognition in borderline personality disorder. Comprehensive Psychiatry. 2006;47(6):468-74. doi: 10.1016/j.comppsych.2006.03.005. PubMed PMID: 17067870.

114. **Vinogradov S**, Luks TL, Simpson GV, Schulman BJ, Glenn S, Wong AE. Brain activation patterns during memory of cognitive agency. NeuroImage. 2006;31(2):896-905. doi: 10.1016/j.neuroimage.2005.12.058. PubMed PMID: 16516497.

115. Minzenberg MJ, Poole JH, **Vinogradov S**. Adult social attachment disturbance is related to childhood maltreatment and current symptoms in borderline personality disorder. The Journal of Nervous and Mental Disease. 2006;194(5):341-8. doi: 10.1097/01.nmd.0000218341.54333.4e. PubMed PMID: 16699383.

116. Minzenberg MJ, Fisher-Irving M, Poole JH, **Vinogradov S**. Reduced Self-Referential Source Memory Performance is Associated with Interpersonal Dysfunction in Borderline Personality Disorder. Journal of Personality Disorders. 2006;20(1):42-54. doi: 10.1521/pedi.2006.20.1.42. PubMed PMID: 16563078.

117. Jakary A, **Vinogradov S**, Feiwell R, Deicken RF. N-acetylaspartate reductions in the mediodorsal and anterior thalamus in men with schizophrenia verified by tissue volume corrected proton MRSI. Schizophrenia Research. 2005;76(2-3):173-85. doi: 10.1016/j.schres.2005.02.012. PubMed PMID: 15949650.

118. Minzenberg MJ, Poole JH, Benton C, **Vinogradov S**. Association of anticholinergic load with impairment of complex attention and memory in schizophrenia. The American Journal of Psychiatry. 2004;161(1):116-24. doi: 10.1176/appi.ajp.161.1.116. PubMed PMID: 14702259.

119. Minzenberg MJ, Poole JH, **Vinogradov S**, Shenaut GK, Ober BA. Slowed lexical access is uniquely associated with positive and disorganised symptoms in schizophrenia. Cognitive Neuropsychiatry. 2003;8(2):107-27. doi: 10.1080/135468000247. PubMed PMID: 16571554.

120. Pegues MP, Rogers LJ, Amend D, **Vinogradov S**, Deicken RF. Anterior hippocampal volume reduction in male patients with schizophrenia. Schizophrenia Research. 2003;1:105-15. PubMed PMID: 12591575.

121. **Vinogradov S**, Kirkland J, Poole JH, Drexler M, Ober BA, Shenaut GK. Both processing speed and semantic memory organization predict verbal fluency in schizophrenia. Schizophrenia Research. 2003;59(2-3):269-75. PubMed PMID: 12414084.

122. Marco EJ, Wolkowitz OM, **Vinogradov S**, Poole JH, Lichtmacher J, Reus VI. Double-blind antiglucocorticoid treatment in schizophrenia and schizoaffective disorder: a pilot study. The World Journal of Biological Psychiatry : the Official Journal of the World Federation of Societies of Biological Psychiatry. 2002;3(3):156-61. PubMed PMID: 12478881.

123. Escamilla MA, Batki S, Reus VI, Spesny M, Molina J, Service S, **Vinogradov S**, Neylan T, Mathews C, Meza L, Gallegos A, Montero AP, Cruz ML, Neuhaus J, Roche E, Smith L, Leon P, Freimer NB. Comorbidity of bipolar disorder and substance abuse in Costa Rica: pedigree- and population-based studies. Journal of Affective Disorders. 2002;71(1-3):71-83. PubMed PMID: 12167503.

124. Minzenberg MJ, Ober BA, **Vinogradov S**. Semantic priming in schizophrenia: a review and synthesis. Journal of the International Neuropsychological Society : JINS. 2002;8(5):699-720. PubMed PMID: 12164679.

125. Escamilla MA, McInnes LA, Service SK, Spesny M, Reus VI, Molina J, Gallegos A, Fournier E, Batki S, Neylan T, Matthews C, **Vinogradov S**, Roche E, Tyler DJ, Shimayoshi N, Mendez R, Ramirez R, Ramirez M, Araya C, Araya X, Leon PE, Sandkuijl LA, Freimer NB. Genome screening for linkage disequilibrium in a Costa Rican sample of patients with bipolar-I disorder: a follow-up study on chromosome 18. American Journal of Medical Genetics. 2001;105(2):207-13. PubMed PMID: 11304838.

126. Poole JH, Tobias FC, **Vinogradov S**. The functional relevance of affect recognition errors in schizophrenia. Journal of the International Neuropsychological Society : JINS. 2000;6(6):649-58. PubMed PMID: 11011511.

127. Willis-Shore J, Poole JH, Skinner H, Benioff L, **Vinogradov S**. Two commonly used indices of thought disorder. Schizophrenia Research. 2000;42(3):261-2. PubMed PMID: 10896411.

128. Poole JH, Ober BA, Shenaut GK, **Vinogradov S**. Independent frontal-system deficits in schizophrenia: cognitive, clinical, and adaptive implications. Psychiatry Research. 1999;85(2):161-76. PubMed PMID: 10220007.

129. Escamilla MA, McInnes LA, Spesny M, Reus VI, Service SK, Shimayoshi N, Tyler DJ, Silva S, Molina J, Gallegos A, Meza L, Cruz ML, Batki S, **Vinogradov S**, Neylan T, Nguyen JB, Fournier E, Araya C, Barondes SH, Leon P, Sandkuijl LA, Freimer NB. Assessing the feasibility of linkage disequilibrium methods for mapping complex traits: an initial screen for bipolar disorder loci on chromosome 18. American Journal of Human Genetics. 1999;64(6):1670-8. doi: 10.1086/302400. PubMed PMID: 10330354; PubMed Central PMCID: PMC1377910.

130. **Vinogradov S**, Poole JH, Willis-Shore J, Ober BA, Shenaut GK. Slower and more variable reaction times in schizophrenia: what do they signify? Schizophrenia Research. 1998;32(3):183-90. PubMed PMID: 9720123.

131. Ober BA, **Vinogradov S**, Shenaut GK. Automatic versus controlled semantic priming in schizophrenia. Neuropsychology. 1997;11(4):506-13. PubMed PMID: 9345694.

132. **Vinogradov S**, Willis-Shore J, Poole JH, Marten E, Ober BA, Shenaut GK. Clinical and neurocognitive aspects of source monitoring errors in schizophrenia. The American

Journal of Psychiatry. 1997;154(11):1530-7. doi: 10.1176/ajp.154.11.1530. PubMed PMID: 9356560.

133. Deicken RF, Zhou L, Corwin F, **Vinogradov S**, Weiner MW. Decreased left frontal lobe N-acetylaspartate in schizophrenia. The American Journal of Psychiatry. 1997;154(5):688-90. doi: 10.1176/ajp.154.5.688. PubMed PMID: 9137129.

134. McInnes LA, Escamilla MA, Service SK, Reiss AL, Leon P, Silva S, Rojas E, Spesny M, Baharloo S, Blankenship K, Peterson A, Tyler D, Shimayoshi N, Tobey C, Batki S, **Vinogradov S**, Meza L, Gallegos A, Fournier E, Smith LB, Barondes SH, Sandkuijl LA, Freimer N. A complete genome screen for genes predisposing to severe bipolar disorder in two Costa Rican pedigrees. Proceedings of the National Academy of Sciences of the United States of America. 1996;93:13060-5. PubMed PMID: 8917544; PubMed Central PMCID: PMC24046.

135. Freimer NB, Reus VI, Escamilla M, Spesny M, Smith L, Service S, Gallegos A, Meza L, Batki S, **Vinogradov S**, Leon P, Sandkuijl LA. An approach to investigating linkage for bipolar disorder using large Costa Rican pedigrees. American Journal of Medical Genetics. 1996;67(3):254-63. doi: 10.1002/(SICI)1096-8628(19960531)67:3<254::AID-AJMG3>3.0.CO;2-N. PubMed PMID: 8725744.

136. **Vinogradov S**, Solomon S, Ober BA, Biggins CA, Shenaut GK, Fein G. Do semantic priming effects correlate with sensory gating in schizophrenia? Biological Psychiatry. 1996;39(9):821-4. doi: 10.1016/0006-3223(95)00571-4. PubMed PMID: 8731526.

137. Freimer NB, Reus VI, Escamilla MA, McInnes LA, Spesny M, Leon P, Service SK, Smith LB, Silva S, Rojas E, Gallegos A, Meza L, Fournier E, Baharloo S, Blankenship K, Tyler D, Tobey C, Batki S, **Vinogradov S**, Weissenbach J, Barondes SH, Sandkuijl LA. Genetic mapping using haplotype, association and linkage methods suggests a locus for severe bipolar disorder (BPI) at 18q22-q23. Nature Genetics. 1996;12:436-41. PubMed PMID: 8630501.

138. Deicken RF, Calabrese G, Merrin EL, **Vinogradov S**, Fein G, Weiner MW. Asymmetry of temporal lobe phosphorous metabolism in schizophrenia: a 31phosphorous magnetic resonance spectroscopic imaging study. Biological Psychiatry. 1995;38(5):279-86. doi: 10.1016/0006-3223(94)00372-A. PubMed PMID: 7495921.

139. Ober BA, **Vinogradov S**, Shenaut G. Semantic priming of category relations in schizophrenia. Neuropsychology. 1995;9:220-8. doi:10.1037/0894-4105.9.2.220.

140. **Vinogradov S**, Ober BA, Shenaut G. Semantic priming of word pronunciation and lexical decision in schizophrenia. Schizophrenia Research. 1992;8:171-81. PubMed PMID: 1457395.

141. **Vinogradov S**, King RJ, Huberman BA. An associationist model of the paranoid process: application of phase transitions in spreading activation networks. Psychiatry. 1992;55(1):79-94. PubMed PMID: 1557472.

142. Freund LS, Reiss AL, Hagerman R, **Vinogradov S**. Chromosome fragility and psychopathology in obligate female carriers of the fragile X chromosome. Archives of General Psychiatry. 1992;49(1):54-60. PubMed PMID: 1728251.

143. Newcomer JW, Riney SJ, **Vinogradov S**, Csernansky JG. Plasma prolactin and homovanillic acid as markers for psychopathology and abnormal movements after neuroleptic dose decrease. Psychopharmacology Bulletin. 1992;28(1):101-7. PubMed PMID: 1609034.

144. Hewlett WA, **Vinogradov S**, Agras WS. Clomipramine, clonazepam, and clonidine treatment of obsessive-compulsive disorder. Journal of Clinical Psychopharmacology. 1992;12(6):420-30. PubMed PMID: 1474179.

145. Newcomer JW, Riney SJ, **Vinogradov S**, Csernansky JG. Plasma prolactin and homovanillic acid as markers for psychopathology and abnormal movements during maintenance haloperidol treatment in male patients with schizophrenia. Psychiatry Research. 1992;41(3):191-202. PubMed PMID: 1594706.

146. Hewlett WA, **Vinogradov S**, Martin K, Berman S, Csernansky JG. Fenfluramine stimulation of prolactin in obsessive-compulsive disorder. Psychiatry Research. 1992;42(1):81-92. PubMed PMID: 1603884.

147. **Vinogradov S**, Gottesman, II, Moises HW, Nicol S. Negative association between schizophrenia and rheumatoid arthritis. Schizophrenia Bulletin. 1991;17(4):669-78. PubMed PMID: 1805356.

148. Moises HW, Gelernter J, Giuffra LA, Zarcone V, Wetterberg L, Civelli O, Kidd KK, Cavalli-Sforza LL, Grandy DK, Kennedy JL, et al. No linkage between D2 dopamine receptor gene region and schizophrenia. Archives of General Psychiatry. 1991;48(7):643-7. PubMed PMID: 2069495.

149. Warner MD, **Vinogradov S**, Peabody CA, Widrow L, Davies HD, Minkoff JR, Winograd CH. TRH/LHRH stimulation test and Alzheimer's disease. Biological Psychiatry. 1990;28(4):362-5. PubMed PMID: 2118809.

150. **Vinogradov S**, Csernansky JG. Postpartum psychosis with abnormal movements: dopamine supersensitivity unmasked by withdrawal of endogenous estrogens? The Journal of Clinical Psychiatry. 1990;51(9):365-6. PubMed PMID: 2211549.

151. Hewlett WA, **Vinogradov S**, Agras WS. Clonazepam treatment of obsessions and compulsions. The Journal of Clinical Psychiatry. 1990;51(4):158-61. PubMed PMID: 2182614.

152. Reiss AL, Freund L, **Vinogradov S**, Hagerman R, Cronister A. Parental inheritance and psychological disability in fragile X females. American Journal of Human Genetics. 1989;45(5):697-705. PubMed PMID: 2816940; PubMed Central PMCID: PMC1683434.

153. Hicks PB, **Vinogradov S**, Riney SJ, Su K, Csernansky JG. A preliminary dose-ranging trial of proglumide for the treatment of refractory schizophrenics. Journal of Clinical Psychopharmacology. 1989;9(3):209-12. PubMed PMID: 2567742.

154. Tinklenberg JR, Taylor J, Yesavage J, Eng L, **Vinogradov S**, Gonzalez P, Frossard PM: Associations between Alzheimer's disease and RFLP's at the human amyloid beta protein gene locus. Psychopharmacology Bulletin 24:489-491, 1988.

155. Taylor JE, Tinklenberg JR, Yesavage J, Eng L, **Vinogradov S**, Gonzales P, Frossard PM: Association study between Alzheimer's disease and RFLP's at the human amyloid beta protein gene locus. Molecular Biology and Medicine, 5:167-172, 1988.

156. Yalom ID, **Vinogradov S**. Bereavement groups: techniques and themes. International Journal of Group Psychotherapy. 1988;38(4):419-57. PubMed PMID: 3182142.

157. **Vinogradov S**, Dishotsky NI, Doty AK, Tinklenberg JR. Patterns of behavior in adolescent rape. The American Journal of Orthopsychiatry. 1988;58(2):179-87. PubMed PMID: 3369538.

158. Reiss AL, Hagerman RJ, **Vinogradov S**, Abrams M, King RJ. Psychiatric disability in female carriers of the fragile X chromosome. Archives of General Psychiatry. 1988;45(1):25-30. PubMed PMID: 3337608.

159. Beauclair L, **Vinogradov S**, Riney SJ, Csernansky JG, Hollister LE. An adjunctive role for ascorbic acid in the treatment of schizophrenia? Journal of Clinical Psychopharmacology. 1987;7(4):282-3. PubMed PMID: 3624518.

160. Moses JA, **Vinogradov S**, Berger PA. Serial neuropsychological evaluation of a case of bilateral frontal lobe brain tumor. Journal of Clinincal and Experimental Neuropsychology. 1987;9:106-10.

161. Csernansky JG, **Vinogradov S**, Prosser E, Kaplan J, Berger PA, Hollister LE. Associations among plasma prolactin levels, tardive dyskinesia, and paranoia in treated schizophrenics: relevance to supersensitivity psychosis. Psychopharmacology Bulletin. 1986;22(3):897-9. PubMed PMID: 2879311.

162. **Vinogradov S**, Reiss AL, Csernansky JG. Clonidine therapy in withdrawal from high-dose alprazolam treatment. The American Journal of Psychiatry. 1986;143(9):1188. PubMed PMID: 2875667.

163. **Vinogradov S** and Reiss AL: Use of lorazepam in treatment-resistant catatonia. J Clin Psychopharmacology 6:323-325, 1986.

164. **Vinogradov S** and Thornton JE: Death and Dying. "If I have AIDS, then let me die now!" In Cases in Bioethics. Eds: C Levine and RM Veatch. The Hastings Center, New York. 1984.

Non-Peer-Reviewed Publications

1. **Vinogradov S**: Has the time come for cognitive remediation in schizophrenia… again? American Journal of Psychiatry, April 2019.
2. **Vinogradov S**: Women in Academic Psychiatry: A Mind to Succeed. Edited by Sophia Grangou, M.D., PhD. (Book Review). American Journal of Psychiatry. 2017;174(5):488-489. doi: 10.1176/appi.ajp.2017.17030317. PubMed PMID: 28457160.
3. **Vinogradov S**: Perception, Cognition, and Language (Book Review). American Journal of Psychiatry, August 2001.
4. **Vinogradov S**: Psychiatry (Book Review). American Journal of Psychiatry**,** July 2000.
5. **Vinogradov S**: The Cognitive Neuroscience of Action (Book Review). American Journal of Psychiatry, June 2000.
6. **Vinogradov S,** Hansen MS. Depression and anxiety in patients with schizophrenia. The Journal of the California Alliance for the Mentally Ill 9:36-38, 1998.
7. **Vinogradov S**: Research Ethics (Book Review). American Journal of Psychiatry 153, 1997.
8. **Vinogradov S**: Psychopharmacology and Women (Book Review). American Journal of Psychiatry 154:570, 1997.
9. **Vinogradov S**: The Remarkable Life of Beatrix Potter (Book Review). American Journal of Psychiatry 153:1646-1647, 1996.
10. **Vinogradov S**: Psychological aspects of women's health care (Book Review). American Journal of Psychiatry, 1994.
11. **Vinogradov S**, King RJ, Cohen JD, Huberman BA: Transitions de phase dans des reseaux de propagation de l'activation: application a un modele associationiste de la paranoia. Actualites Psychiatriques 5:44-52, 1990

12. Frossard PM, **Vinogradov S**: Using DNA markers to predict genetic susceptibility to atherosclerosis. Human Genetics: vol 12, Basel, S. Karger, 1989.
13. **Vinogradov S**: Melancholia and depression: From Hippocratic times to modern times (Book Review). Contemporary Psychology 34:145-147, 1989.
14. **Vinogradov S**, Brody D, Csernansky JG, Hollister LE: Neuroleptic malignant syndrome-Consultation in Clinical Psychopharmacology, Hospital Formulary 23:646-653, 1988
15. **Vinogradov S**, Reiss AL, Csernansky JG: Clonidine therapy in withdrawal from high-dose alprazolam treatment. (Letter) American Journal of Psychiatry 143:1188, 1986.
16. **Vinogradov S**: A sentimental education: Looking back on medical school in Strasbourg, France. Archives of Internal Medicine 144, 1274-1275, 1984.
17. **Vinogradov S** and Thornton JE: "If I have AIDS, then let me die now!" The Hastings Center Report (Case Study and Commentary). February 1984, 24-26.

Books

1. **Vinogradov S**, Yalom ID: Group Psychotherapy, Clinical Guides Series of the American Psychiatric Press. Wash., D.C., American Psychiatric Press, 1989.

Chapters in Books

1. Schlosser DA, Garrett C, **Vinogradov S**. Targeted treatments in schizophrenia. In Moghaddam, Hagerman, and Hendren (Eds.), *Treatment of neurodevelopmental disorders: Targeting neurobiological mechanisms.* (In press) Oxford Press, New York.
2. Fisher M, Subramaniam K, Panizzutti R, **Vinogradov S**: Computerized Cognitive Training in Schizophrenia: Current Knowledge and Future Directions, in Cognitive Impairment in Schizophrenia: Characteristics, Assessment, and Treatment. Edited by P.D. Harvey. In Press. Cambridge University Press, New York.
3. Fisher, M, Subramaniam, K, Panizzutti, R, and **Vinogradov S**. Computerized Cognitive Training in Schizophrenia: Current Knowledge and Future Directions. In Harvey, PD (Ed.), *Cognitive Impairment in Schizophrenia: Characteristics, Assessment, and Treatment.* 2013. Cambridge University Press.
4. Biagianti B, **Vinogradov S.** Computerized Cognitive Training Targeting Brain Plasticity in Schizophrenia. In Michael M. Merzenich, Mor Nahum, Thomas M. van Vleet, editors: Changing Brains - Applying Brain Plasticity to Advance and Recover Human Ability, Vol 207, pp. 301-326. 2013. Elsevier.
5. **Vinogradov S**: **Chapters 192** (approach to the Patient with Psychiatric Disease), **193** (Psychotropic Drugs), **194** (Alcoholism), and **195** (Narcotic Abuse), in 15th Edition of Harrison's Principles of Internal Medicine Companion Handbook. Edited by A.S. Fauci, Braunwald, K.J. Isselbacher, J.D. Wilson, J.B. Martin, D.L. Kasper, S.L. Hauser, D.L. Longo. 2001. McGraw-Hill, Inc., New York.
6. Fisher M, Subramaniam K, Panizzutti R, **Vinogradov S**, Poole JH, Willis-Shore J: Neural Network Approaches to Delusional Thinking, in Neural Networks and Psychopathology: Connectionist Models in Practice and Research. Edited by D.G. Stein and J. Ludik. 2000. Cambridge University Press, New York.
7. **Vinogradov S**: **Chapters 192** (approach to the Patient with Psychiatric Disease), **193** (Psychotropic Drugs), **194** (Alcoholism), and **195** (Narcotic Abuse), in 14th Edition of Harrison's Principles of Internal Medicine Companion Handbook. Edited by A.S. Fauci, Braunwald, K.J. Isselbacher, J.D. Wilson, J.B. Martin, D.L. Kasper, S.L. Hauser, D.L. Longo. 1998. McGraw-Hill, Inc., New York.
8. **Vinogradov S**, Yalom ID: Group therapy, Chapter 27 in American Psychiatric Press Textbook of Psychiatry, third edition, eds. JA Talbott, RE Hales, SC Yudofsky. 1998. American Psychiatric Press. Washington, DC:

9. Carter C, Elkin D, **Vinogradov S**: Schizophrenia, in Introduction to Clinical Psychiatry, 1998. Appleton and Lange, New York.
10. Elkin D, Yaffe K, Gonzales F, **Vinogradov S**: Neuropsychiatric Aspects of HIV Disease, in Introduction to Clinical Psychiatry, 1998. Appleton and Lange, New York.
11. Yalom V, **Vinogradov S**: Interpersonal group psychotherapy, in Comprehensive Textbook of Group Psychotherapy, HA Kibel, Ed. 1993. Williams Wilkinson Press.
12. Benioff LA, **Vinogradov S**: Group psychotherapy for patients with cancer, in Comprehensive Textbook of Group Psychotherapy, HA Kibel, Ed. 1993. Williams Wilkinson Press.
13. **Vinogradov S**, Yalom ID: Self-disclosure in group psychotherapy, in Self-disclosure in the Therapeutic Relationship, George Stricker and Martin Fisher, Eds. 1990. Plenum Press, New York.

Abstracts (Prior 3 years)

1. Tripp, Paige E, Kalantar, Emily, Niles, Andrea N, Woolley Joshua, Neylan, Thomas C, **Vinogradov, Sophia,** O'Donovan, Aoife (2018) Conducting a fully remote randomized clinical trial testing attention bias modification for PTSD: Methods and feasibility. Poster.
2. Hinkley LBN, Biagianti B, Houde JF, Mizuiri D, **Vinogradov S,** Nagarajan SS. (2015) Cortical oscillations during implicit learning in patients with schizophrenia : Impacts of cognitive training. Society for Neuroscience Annual Meeting, Chicago, IL
3. Hinkley LBN, **Vinogradov S,** Fisher M, Mizuiri D, Biagianti B, Houde JF, Nagarajan SS. (2016) Oscillatory cortical dynamics of visually-guided and auditory-guided sequence learning. International Conference on Biomagnetism, Seoul, South Korea.
4. Ramsay IS, Fryer S, Boos A, Roach BJ, Fisher M, Loewy R, **Vinogradov S**, Mathalon DH. (May 2017). Targeted cognitive training is neuroprotective against thalamic volume loss in early schizophrenia. Society for Biological Psychiatry, San Diego, CA.
5. Biagianti B, Schlosser D, Nahum M, Woolley J, **Vinogradov S**. (Mar 2017). CLIMB: A mobile intervention to enhance social functioning in people with psychotic disorders: results from a feasibility study. International Congress on Schizophrenia Research (ICOSR), San Diego, CA.
6. Loewy R, Corey S, Yohannes S, Amirfathi F, Pearson R, Dabit S, Fulford D, Stuart B, Schlosser D, Mathalon D, Epel E, Wolkoqitz O, **Vinogradov S**. (Mar 2017). Trauma, stress mechanisms, and risk for psychosis. International Congress on Schizophrenia Research (ICOSR), San Diego, CA.
7. Ramsay IS, Fryer S, Boos A, Roach BJ, Fisher M, Loewy R, **Vinogradov S**, Mathalon DH. (March 2017). Targeted cognitive training is neuroprotective against thalamic volume loss in early schizophrenia. International Congress for Schizophrenia Research, San Diego, CA.
8. Biagianti B, Schlosser D, Nahum M, Woolley J, **Vinogradov S**. (Oct 2016). CLIMB: A mobile App intervention to treat social cognition impairments and improve social functioning in psychosis. Oral presentation. IEPA Conference, Milano, IT.
9. Biagianti B, Schlosser D, Nahum M, Woolley J, **Vinogradov S**. (Aug 2016). CLIMB: A mobile app intervention to treat social cognition impairments and improve social functioning in psychosis. Poster. NIMH Mental Health Services Research Conference. Bethesda, MD.
10. Biagianti B, Schlosser D, Nahum M, Woolley J, **Vinogradov S.** (Aug 2016). CLIMB: A mobile app intervention to treat social cognition impairments and social isolation in chronic psychosis. Oral presentation and poster. Cognitive Remediation in Psychiatry Conference. NYC, NY.

11. Biagianti B, Schlosser D, Nahum M, Woolley J, **Vinogradov S**. (June 2016). CLIMB: A digital intervention to treat social cognition impairments and social isolation in chronic psychosis. Oral presentation and poster. Cognitive Remediation in Psychiatry Conference. NYC, NY.
12. Biagianti B, Schlosser D, Nahum M, Woolley J, **Vinogradov, S.** (May 2016). CLIMB: A mobile app intervention to treat social cognition impairments in psychosis. Poster. X-tech Conference, San Francisco, CA.
13. Biagianti B, Schlosser D, Nahum M, Woolley J, **Vinogradov S.** (April 2016). CLIMB: A mobile app intervention to treat social cognition impairments and improve social functioning in chronic psychosis. Poster. Schizophrenia International Research Society Conference. Florence, IT.
14. Biagianti B, Gasparini E, Fisher M, Woolley J, **Vinogradov S.** (2015). Using iPads to deliver auditory perceptual training, clinical assessments, and neuropsychological testing to individuals with schizophrenia. ESCONS Conference, San Francisco, CA.
15. Biagianti B, Schlosser D, Loewy R, Fisher M, **Vinogradov S.** (2015). The Moderating Role of Motivational Deficits On Neurocognitive Functioning Across The Course Of Schizophrenia. 15th International Congress on Schizophrenia Research. Colorado Springs, CO.
16. Long C, Biagianti B, Wooley J, Fisher M, Rowlands A, Howard L, **Vinogradov S.** (2015). Auditory Processing Speed as a Marker for Generalized Cognitive Function in Schizophrenia. 15th International Congress on Schizophrenia Research. Colorado Springs, CO.
17. Woolley JD, Arcuni P, Stauffer C, Musinipally V, Gill K, Weinstein D, Mitchell J, Batki SL, **Vinogradov S**. (2014). The effects of oxytocin in opioid-dependent individuals and heavy drinkers; a pilot study. 53rd annual meeting of the American College of Neuropsychopharmacology, Phoenix, Arizona.
18. Schlosser DA, Vergani S, Kim D, Campellone T, **Vinogradov S.** (2014) A novel digital health approach to treating negative symptoms using a Personalized Real-time Intervention for Motivational Enhancement. Schizophrenia International Research Society.
19. Biagianti B, Hinkley LBN, **Vinogradov S**, Nagarajan S. (2014). Impoverished High-Frequency Oscillatory Activity in Frontal Cortex in Individuals with Schizophrenia during Implicit Sequence Learning. Schizophrenia International Research Society Conference. Florence, IT.
20. Biagianti B, Woolley J., **Vinogradov, S**. (2014). iPad-based remote cognitive training for individuals with schizophrenia. Digital Mental Health Innovations at UCSF. San Francisco, CA.
21. **Vinogradov S**, Alexander P, Quittner Z, Fisher M, Jarasitis G, Fariello D. (2013). A double-blind controlled trial of computerized cognitive training in a community mental health supported employment program. Abstracts of the 14th International Congress on Schizophrenia Research (ICOSR). Orlando Grande Lakes, Florida. Schizophrenia Bulletin, 39 Suppl 1:S1-376.
22. **Vinogradov S**, Fisher M, Loewy R, Niendam T, Ragland JD, & Carter C (2013). Neuroscience-informed Cognitive Training in Recent Onset Schizophrenia Using Laptop Computer. Abstracts of the 14th International Congress on Schizophrenia Research (ICOSR). Orlando Grande Lakes, Florida. Schizophrenia Bulletin, 39 Suppl 1:S1-376.
23. Loewy R, Fisher M, Mathalon DH, **Vinogradov S**. (2013). Interim Analyses of a Randomized Controlled Trial of Computerized Cognitive Training in Clinical High Risk for Psychosis. Abstracts of the 14th International Congress on Schizophrenia

Research (ICOSR). Orlando Grande Lakes, Florida. Schizophrenia Bulletin, 39 Suppl 1:S1-376.

24. Woolley JD, Chuang B, Lam O, Mathalon DH, Rankin KP, **Vinogradov, S**. (2013). The effects of oxytocin on social cognition and olfaction in schizophrenia and healthy controls. 14th International Congress of Schizophrenia Research. Orlando Grande Lakes, Florida.
25. Woolley, JD., Chuang, B., Schlosser, D., Lam, O., Lai, W., Rankin, KP., Mathalon, DH., Mendes, WB., **Vinogradov, S**. (2013) The Effects of Oxytocin on Social Cognition and Family Dynamics in Schizophrenia. International Congress on Schizophrenia Research. Orlando Grande Lakes, Florida.
26. Nahum M, Garrett C, Powell B, Poelke G, Fisher M, Mayott L, Loewy R, Ventura J, Nuechterlein KH, **Vinogradov S**, Merzenich M. (2013). Testing the Feasibility of a Novel Computerized Neuro-plasticity based training program to remediate Social Cognition Deficits in Schizophrenia ("SocialVille"). Abstracts of the 14th International Congress on Schizophrenia Research (ICOSR). Orlando Grande Lakes, Florida. Schizophrenia Bulletin, 39 Suppl 1:S1-376.
27. Schlosser DA, Fisher M, Fulford D, Gard DE, Loewy RL, **Vinogradov S**. (2013) Motivational deficits prior to the onset of psychosis and across the course of schizophrenia. International Congress of Schizophrenia Research.
28. Fulford, D., Schlosser, D. A., Stuart, B. K., Mathalon, D. H., **Vinogradov, S**., & Loewy, R. L. (2013). The prospective association of motivational deficits and psychosocial impairment in individuals at Clinical High-Risk for psychosis. International Congress on Schizophrenia Research, Orlando, FL.
29. Woolley, JD, Fussell, C., Lai, W., Chuang, B., Lam, O., Biagianti, B., Mathalon, D., **Vinogradov, S**. (2013) A Single Dose of Oxytocin Increases Facial Expressivity in Patients with Schizophrenia and Healthy Participants. American College of Neuropsychopharmacology Conference. Hollywood, Florida.
30. Woolley, JD., Chuang, B., Schlosser, D., Lam, O., Lai, W., Rankin, KP., Mathalon, DH., Mendes, WB., **Vinogradov, S**. (2013) The Effects of Oxytocin on Social Cognition and Family Dynamics in Schizophrenia. Society of Biological Psychiatry. San Francisco, CA.
31. Woolley JD, Chuang B, Lam O, Lai W, Rankin KP, Mathalon DH, Mendes WB, **Vinogradov S.** (2013). The effects of oxytocin on social cognition and family environment in patients with schizophrenia and healthy controls. 68th Society of Biological Psychiatry Annual Scientific Meeting. San Francisco, California.
32. Loewy R, Fisher M, Niendam T, Ragland JD, Carter C, Mathalon D, **Vinogradov S.** (2013). Neuroplasticity-Based Auditory Training in Recent-Onset Schizophrenia: Interim Analyses of 6-month Follow-Up. Society of Biological Psychiatry. San Francisco, California.
33. Subramaniam K, Biagianti B , Nagarajan S, Hooker C, **Vinogradov S.** (2013) "Does targeted social training enhance cortical and subcortical activation in schizophrenia during reward processing?" Society of Biological Psychiatry Annual Scientific Meeting. San Francisco, CA.
34. Bens M, Fisher M, Garrett C, **Vinogradov S.** (2013). Neuroplasticity-Based Computerized Training of Cognitive Control Processes in Schizophrenia. National Academy of Neuropsychology. San Diego, California.
35. Woolley, J., Fussell, C., Lai, W., Lam, O., Chuang, B., Biagianti, B., Fulford, D., Mathalon, D. H., & **Vinogradov, S**. (2013). Oxytocin and facial expressivity in patients with schizophrenia and healthy participants. American College of Neuropsychopharmacology, Hollywood, FL. Abstract published in *Neuropsychopharmacology, 38*, S273-S434.

36. Loewy R, Fulford D, Pearson R, Schlosser D, Stuart B, Mathalon D & **Vinogradov S**. (2013). Impact of the Psychosocial Environment on Risk for Psychosis: Trauma and Stress Reactivity. International Prodromal Research Network Meeting, Orlando, FL.
37. Hinkley LBN, **Vinogradov S**, Fisher M, Mizuiri D, Biagianti B, Nagarajan S. (2013) Cortical dynamics of fast learning in patients with schizophrenia. ESCONS Conference, Los Angeles, CA.
38. Fulford, D., Pearson, R., Dabit, S., Niendam, T. A., Mathalon, D. H., **Vinogradov, S**., Stuart, B. K., & Loewy, R. L. (2013). The impact of anticipatory threat appraisals on HPA axis response following acute social stress among individuals at clinical high-risk for psychosis. Society for Research in Psychopathology. Oakland, CA
39. Biagianti B, Schlosser D, Kalapatapu R, **Vinogradov S**. (2013) "Digital Health Interventions for Neuropsychiatric Disorders". Institute for Creative Technologies, University of Southern California. Los Angeles, CA

Patents

U.S. Provisional Application No. 61227848
"A Computerized Neuro-Plasticity Based Training Module to Remediate Social Cognition Deficits"
Filed on 7/23/09

Presentations (Since 2010)

Invited Oral Presentations at International Professional Meetings, Conferences, etc.

1. SOBP 2019 (Society of Biological Psychiatry), Chicago, IL
2. SIRS Congress, 2019, Orlando, FL
3. IEPA 11 Conference, 2018; Boston, MA
4. CART Conference, 2018; Bergen, Norway
5. Cognitive Enhancement in Psychiatric Disorders Conference, 2018; Tokyo, Japan
6. Attention & Anxiety Meeting at King's College London, 2017; London, United Kingdom
7. APA Congress Delegates from Scandinavia (Sweden, Norway, Denmark), 2017; San Diego, CA
8. Jock Cleghorn Memorial Lecture, 2017; McMaster University, Hamilton, ON, Canada
9. ICPS Meeting, 2017; Vienna, Austria
10. Brain Tech, 2017; Tel Aviv, Israel
11. 5th Kraepelin Symposium, 2016; Munich, Germany
12. Johns Hopkins Schizophrenia Center Annual Symposium; 2014; Baltimore, MD
13. Ludwig Maximilian University of Munich; 2014; Munich, Germany
14. Society for Biological Psychiatry; 2014; New York, NY
15. Society for Biological Psychiatry; 2013; San Francisco, CA
16. Clinical Neurosciences Workshop, University of British Columbia; 2013; Vancouver, Canada
17. Schizophrenia International Research Society; 2013; Florence, Italy
18. International Early Psychosis Association; 2013; San Francisco, CA
19. Falling Walls Conference; 2013; Berlin, Germany
20. American College of Neuropsychopharmacology Annual Meeting; 2012; Miami Beach, FL
21. International Congress on Schizophrenia Research; 2011; Colorado Springs, CO
22. World Congress of Neurotechnology; 2010; Rome, Italy
23. American College of Neuropsychopharmacology Annual Meeting; 2010; Miami Beach, FL
24. Frontiers in Neuroscience; 2010; Rio de Janeiro, Brazil
25. Annual Meeting of the Chilean Neuroscience Society; 2010; Coquimbo, Chile

Invited Participations at NIH/NIMH Special Workshops and Meetings

1. NIMH Computational Psychiatry Workshop; 2017; Bethesda, MD
2. Methods in Cognitive Training; 2017; Boston, MA
3. NIMH Brain Camp VI; 2014; Cold Spring Harbor, NY
4. NIMH Brain Camp V; 2013; Berkeley, CA
5. NIMH Workshop, Advances in Cognitive Training for Psychiatric Disorders; Apr 2, 2012; Bethesda, MD
6. NIMH Outreach Partnership Program Annual Meeting; 2011; Houston, TX
7. NIMH Workshop: Integrating Neuroscience, Developmental Psychopathology, and Preventive Interventions: Critical Questions for the Next Generation of Transformative Research; 2010; Denver, CO

Invited Oral Presentations at National Professional Meetings, Conferences, etc.

1. Cognitive Remediation Think Tank, 2019; Northeast Ohio Medical University
2. Cognitive Science Society annual meeting, 2018; Madison, WI
3. Cognitive Remediation Seminar, Columbia University, 2018; New York, NY
4. Nasrallah Endowed Lectureship, University of Cincinnati 2018; Cincinnati, OH
5. American College of Neuropsychopharmacology Annual Conference, 2017, Palm Springs, CA
6. Visiting Professor and Grand Rounds Lecture, University of California–Davis, Davis, CA
7. Computational Psychiatry, 2017; Washington, DC
8. Stanley Center's Biennial Symposium, Broad Institute; 2015; Cambridge, MA
9. National Alliance on Mental Illness (NAMI); 2015; San Francisco, CA
10. Psychiatric Research Society; 2015; Park City, UT
11. Society for Affective Sciences Conference; 2014; Washington, CA
12. American Neuropsychiatric Association; 2014; Seattle, WA
13. Mysell Lectureship, Harvard University (invited speaker); 2014; Cambridge, MA
14. American Psychiatric Association; 2013; San Francisco, CA
15. Association for Behavioral and Cognitive Therapies; 2013; Neurotechnology Satellite
16. Scientific Symposium at the 19th Annual Music Festival for Mental Health; 2013; Napa, CA
17. White House Conference on Interactive Software, Attention, and Well-being; 2012; Washington, DC
18. Cognitive Remediation in Psychiatry Annual Meeting; 2012; New York City, NY

Invited Oral Presentations at Local and Regional Professional Meetings, Conferences, etc.

1. Grand Rounds, Rush University, 2019; Chicago, IL
2. American Association of University Women, 2018; Saint Paul, MN
3. Headliners Lecture at the College of Continuing & Professional Studies, University of Minnesota, 2018; St. Paul, MN
4. Killam Seminar Lecture and Neurology Grand Rounds, 2018; Montreal Neurological Institute and Hospital, McGill University, Montreal, Canada
5. UMN MSTP (Medical Scientist Training Program) Keynote Address, 2018; Minneapolis, MN
6. NAMI-MN Research Dinner, 2018; Minneapolis, MN
7. Minnesota Academy of Medicine, 2018; Saint Paul, MN
8. Visiting Scholar and Grand Rounds Speaker, Zucker Hillside Hospital; 2017; Long Island, NY
9. Grand Rounds Speaker, Psychology and Psychiatry Departments, 2017; Mayo Clinic, Rochester, MN

10. Department of Psychology Research Day, 2017; University of Minnesota, Minneapolis, MN
11. Minnesota Neuromodulation Symposium, 2017; University of Minnesota, Minneapolis, MN
12. Grand Rounds Speaker, Dept. of Psychiatry, UC-San Diego; 2015; San Diego, CA
13. Grand Rounds Speaker, Dept. of Psychiatry, Johns Hopkins University; 2014; Baltimore, MD
14. Grand Rounds Speaker, Dept. of Psychiatry, Stanford University; 2014; Stanford, CA
15. Center for Mental Health Research and Recovery Conference; 2014; Bozeman, MT
16. Grand Rounds Speaker, Dept. of Psychiatry, University of Minnesota; 2013; Minneapolis, MN
17. Grand Rounds Speaker, Mind Research Network; 2012; Albuquerque, NM
18. Grand Rounds Speaker, Dept. of Psychiatry, UCLA; 2012; Los Angeles, CA
19. Visiting Scholar and Grand Rounds Speaker, Zucker Hillside Hospital; 2012; Long Island, NY
20. Visiting Scholar and Grand Rounds Speaker, University of Pittsburgh; 2011; Pittsburgh, PA
21. Grand Rounds Speaker, Dept. of Psychiatry, New York University; 2010; New York City, NY
22. Grand Rounds Speaker, Nathan Kline Institute; 2010; Orangeburg, NY

Other Creative Activities

Psychiatry chapters in **Brain, Mind, and Behavior** syllabus for first-year medical students (chapters on Defining the Mind, the Mental Status Examination, What is a Psychiatric Disorder? Prefrontal Cortical Systems and Behavior, Emotion, Schizophrenia, Obsessive-Compulsive Disorder, Personality Disorders, Dopamine Systems and Behavior).

WIRED UK Commentary: Video Games Inspire New Psychiatric Treatments, March 2013.

TEACHING AND CURRICULUM DEVELOPMENT

University of California, San Francisco

Course/Lecture List

Introduction to Neuroscience Seminar Series	2004–2010
Brain, Mind, and Behavior IDS 104	1994–2010

Teaching Aids Developed:

Co-Developer of the Teaching Improvement Program and the Teaching Observation Program (TIP-TOP) for structured peer review of teaching activities, supported by the Faculty Development Committee of the UCSF Academy of Medical Educators. This program has been presented at national education meetings by my colleague, Maria Wamsley, M.D., and is currently the subject of a manuscript in preparation (first author, Maria Wamsley, M.D.).

Psychiatry chapters in *Brain, Mind, and Behavior* syllabus for first-year medical students (chapters on Defining the Mind, the Mental Status Examination, What is a Psychiatric Disorder? Prefrontal Cortical Systems and Behavior, Emotion, Schizophrenia, Obsessive-Compulsive Disorder, Personality Disorders, Dopamine Systems and Behavior).

Informal Teaching

Supervision of UCSF Residents, Clinical Research Electives	1994–2016
Supervision of Research Fellows in Psychiatry Neuroscience Fellowship	1994–2016
Co-Founder and Co-Director, Teaching Improvement Program and Teaching Observation Program, UCSF Academy of Medical Educators	2005–2010
Medical student preceptorship, Medical Scientist Training Program	1995–2010
Seminar leader, Preparation for Clerkship Course (second-year UCSF medical students	1995–2006
Seminar leader, Issues in Working with the Homeless (Elective for first and second-year UCSF medical students)	1995–1999
Director and Attending Psychiatrist, SF VAMC Psychopharmacology Clinic (supervision of UCSF residents and medical students)	1993–2009

Service to Elementary and Secondary Education

Guest speaker: AP Psychology Class, St. Ignatius High School	2012
Guest speaker: Science Education Fair, St. Anne Elementary School	2006
Guest speaker: Understanding Eating Disorders, Central High School	2000–2005
Presentation: "What is it like to be a psychiatrist?" for the annual "Take our daughters to work" day	1995–1998
Guest speaker: Understanding Mental Illness, Lowell High School Red Cross Club, San Francisco and Lincoln High Schools	1994–1997, 1999

SUMMARY OF TEACHING HOURS

2016–2017: Total anticipated hours of teaching: 80 hours
Resident seminars: 5 hours
Resident supervision and mentoring: 75 hours

2015–2016: 275 total hours of teaching (including preparation)
Formal class or course teaching hours: 25 hours
Informal teaching hours: 100 hours
Mentoring hours: ~150 hours

2014–2015: 275 total hours of teaching (including preparation)
Formal class or course teaching hours: 25 hours
Informal teaching hours: 100 hours
Mentoring hours: 150

ADVISING AND MENTORING

Predoctoral Students Supervised or Mentored (2005–2016)
University of California, San Francisco

Name	Program or School	Role	Current Position	Dates
Ian Ramsay	SFVA/UCSF	Research Mentor	Pre-doctoral clinical psychology intern, SFVA and UCSF	2015
Dustin Stephens	University of Kentucky	Research Mentor	Medical student, University of KY	2015

			class of 2016	
Katie Hsih	Johns Hopkins	Research & Career Mentor	Medical student, Johns Hopkins class of 2017	2014–2016
Charltien Long	Johns Hopkins	Research & Career Mentor	Medical student, Johns Hopkins class of 2017	2014-2016
Alexander Herman	UCSF Medical School	Research & Career Mentor	Psychiatry Resident, UCSF	2013–2015
Joshua Resa	UCSF Medical School	Research Mentor	Pediatric Resident, UCSF	2011–2013
Ethan Brown	Howard Hughes Medical Student fellow	Research Mentor	Neurology Fellow, UCSF	2010–2011
Toral Surhi	UCSF Medical School	Research Mentor	Psychiatry Resident, Yale University	2008–2011
Christine Holland	Princeton University	Research & Professional Advisor	Neurology Fellow, UCSF	2005–2008

Post-doctoral Fellows and Residents Supervised

Name	Fellow	Faculty Role	Current Position	Dates
Guercio, Gersion, Ph.D.	Post-doc	Research supervision	Post-doctoral fellow, UMN	2018-present
Ian Ramsay, Ph.D.	Resident Post-doc	Research supervision and career mentoring	Post-doctoral fellow, UMN	2016–present
Jennifer Guo, M.D.	Research resident	Career mentoring	Resident, UCSF	2015
Dhakshin Ramanathan, M.D., Ph.D.	Post-doc	Research Supervision	Post-doctoral fellow, UCSF	2014–2016
Christopher Stauffer, M.D.	Post-doc	Research Supervision	Post-doctoral fellow, UCSF	2013–2016
Raj Kalapatapu, M.D.	Post-doc	Research Supervision	Assistant Professor, UCSF K-awardee	2011–2013
Danielle Schlosser, Ph.D.	Post-doc	Research Supervision	Assistant Professor, UCSF K-awardee	2011–2016
Joshua Woolley, M.D., Ph.D.	Resident Post-doc	Research Supervision	Assistant Professor, UCSF CDA Awardee	2008–2012
Karuna Subramaniam, Ph.D.	Post-doc	Research Supervision	Assistant Professor, UCSF K-Awardee	2007–2016
Jonathan Kalkstein, M.D.,	Post-doc	Clinical Activities	Post-doctoral fellow, UCSF	2007–2009

Ph.D.				
Barbara K. Stewart, Ph.D.	Post-doc	Clinical & Research	Clinical Instructor, UCSF	2007–2008
Rachel Loewy, Ph.D.	Post-doc	Research Supervision	Associate Professor, UCSF	2005–2006
R. Alison Adcock, M.D., Ph.D.	Resident Post-doc	Research Mentorship	Assistant Professor, Duke University	2003–2006
Stewart Anderson, M.D.	Post-doc	Clinical Activities	Associate Professor, U Penn	1999–2001
Michael Minzenberg, M.D.	Resident Post-doc	Research Supervision	Associate Professor, UCSF	1999–2003
John Poole, Ph.D.	Post-doc	Research Supervision	Dir. of Research, TBI Unit, Palo Alto VA; Adjunct Associate Professor	1993–1995

Visiting Scholars Hosted
University of California, San Francisco

Rodrigo Nieto Rojas, M.D., University of Chile	2012–2014
Rogerio Panizzutti, M.D., University of Rio de Janeiro, Brazil	2008–2011
Kew-Seob Ha, M.D., University of Seoul, South Korea	2000–2002

Other Mentoring Activities

University of California, San Francisco

Name	Position while Mentored	Mentoring Role	Current Position	Dates
Aoife O'Donovan, Ph.D.	Assistant Professor	Career, grant writing, and research	Assistant Professor, UCSF	2012–2016
Danielle Schlosser, Ph.D.	Assistant Professor	Research supervisor	Assistant Professor, UCSF	2011–2016
Rajkumar Palapatapu, M.D.	Assistant Professor	Career, grant writing, and research collaboration	Assistant Professor, UCSF	2012–2014
Joshua Woolley, M.D., Ph.D.	Assistant Professor	Career, grant writing, and research collaboration	Assistant Professor, UCSF	2012–2016
David Gard, Ph.D.	Assistant Professor	Career, grant writing, and research collaboration	Associate Professor, San Francisco State University	2009–2016
Rachel Loewy, Ph.D.	Assistant Professor	Career mentoring and research collaboration	Associate Professor, UCSF	2009–2016

Christine Hooker, Ph.D.	Assistant Professor	Career mentoring and research collaboration	Associate Professor, Rush University	2009–2016
Alison Adcock, M.D., Ph.D.	Assistant Professor	Career mentoring	Assistant Professor, Duke University	2008–2010

PROFESSIONAL ACTIVITIES:

Clinical:

Director, First Episode of Psychosis Program, Department of Psychiatry, University of Minnesota Medical School

Director, Outpatient Psychopharmacology Teaching Clinic, Mental Health Service, SFVAMC (1993–2010). I attended in this clinic for 12 months of the year for 1 day per week, supervising 2-4 medical students, 2 residents, and 2 research fellows.

Staff Psychiatrist, General Psychiatry, Mental Health Service, SFVAMC (2010–2016). I cared for veteran patients in an outpatient setting ~1/2 day per week.

PROFESSIONAL SERVICE AND PUBLIC OUTREACH

Service to the Discipline/Profession/Interdisciplinary Area(s)

National Advisory Mental Health Council 2018-2022

Editorships/Journal Reviewer Experience

Schizophrenia Research	Deputy Editor	2016–present
	Reviewer (2-5 papers/year)	2000–present
Schizophrenia Bulletin	Editorial Board	2012–present
Biological Psychiatry: CNNI	Editorial Board	2015–present
	Reviewer (2-5 papers/year)	2000–present
American Journal of Psychiatry	Reviewer (2-5 papers/year)	1993–present

Program review experience

NIH Center for Scientific Review Adult Psychopathology and Aging Review Committee, Standing Committee Member	2009–2013
Recovery after an Initial Schizophrenia Episode (RAISE) NIMH Initiative, Scientific Advisor	2009
NIMH Social Cognitive Neuroscience, review committee, ad hoc reviewer	2006
Research Training Fellowships, National Psychiatry Research Training Council, NIMH, Committee Co-Chair	2005
Northern California Psychiatric Society, Education Committee Reviewer	1996–2000
American Board of Psychiatry and Neurology, Examiner	1993–1998

Organization of conferences, workshops, panels, symposia

NIMH Computational Psychiatry: Opportunities and Challenges for the Future Workshop	2017

International Early Psychosis Association annual meeting 2012
Scientific Program Committee, Local Host

Committee memberships

Scientific Advisory Board, Verily (Alphabet Inc.) 2019–present
Scientific Advisory Board, Mindstrong, Inc 2017–present
Scientific Advisory Board, Akermes, Inc. 2017–present
Scientific Program Committee, American College of Neuropsychopharmacology 2015–present
Scientific Program Committee, Society for Biological Psychiatry 2013–present
Scientific Advising Board, Schizophrenia International Research Society (SIRS) 2013–present
Scientific Program Committee, International Congress on Schizophrenia Research 2012–present
Scientific Program Committee and Local Host for 2012 meeting of the International Early Psychosis Association meeting 2009
Founder, Entertainment Software and Cognitive Neurotherapeutics Society 2011–present
Fellow, American College of Neuropsychopharmacology 2009–present
Schizophrenia International Research Society (SIRS) 2008–present
Society for Neuroscience 2003–present
Society for Biological Psychiatry 1984–present

Service to the University/Medical School/Department

University of Minnesota, Twin Cities

Medical School Service

University of Minnesota Physicians (UMP) Board 2017–present
University of Minnesota Medical School, Family Medicine Department Head Search 2017
University of Minnesota Medical School, UMP CEO Search 2017

University of California, San Francisco

University-wide service

Academy of Medical Educators Executive Committee 2002–2008
Student Research Committee 1999–2004

Medical School Service and Intercollegiate Service

Faculty Development Committee, Academy of Medical Educators, Co-Chair 2004–2006
Academy of Mental Educators, Member 2001–2007
Brain, Mind, and Behavior Steering Committee 2000–2007

UCSF Campus-Wide

UCSF Academy of Medical Educators Executive Committee 2002–2008
UCSF Student Research Committee 1999–2004

School of Medicine

UCSF Brain, Mind, and Behavior Steering Committee 2000–2007
Member, UCSF Academy of Medical Educators 2001–2007
Co-Chair, Faculty Development Committee, UCSF Academy of Medical Educators 2004–2006

Department of Psychiatry

Strategic Planning Committee	2014–2016
Executive Steering Committee	2013–2016
Vice-Chair	2011–2016
Leadership Council, Member	2008–2013
Climate Committee, Chair	2009–2016
Neurosciences Curriculum Committee, Residency Training Program, Member	2004–2007
"Rubber Meets the Road" Residency Curriculum Reform Committee	2003–2008
"New Horizons" Residency Curriculum Review and Redesign Comm., Chair	2002–2003
Climate Committee	1994–2006
Mental Health Service Education Committee	1993–2009
Mental Health Service Pharmacy and Therapeutics Committee	1993–2000

San Francisco Veterans Affairs Medical Center

Mental Health Service Line

Associate Chief of Staff for Mental Health	2012–2016
Mental Health Service Research Investigators Committee, Chair	2002–2016
SFVAMC Research Review Subcommittee	2000–2006
SFVAMC Research and Development Committee	1998–2001

Community Outreach Activities

NAMI Minnesota Annual Meeting Speaker	2017
NAMI Research Plenary Speaker	2015
Advisory Board Member, PsyberGuide	2013–present
Grand Rounds, Alameda County Psychiatric Services	2012
Board member, Northern California Institute for Research and Education	2010–2016
Guest Speaker, Alemda County Clubhouse Fundraising Event	2009
Advisory board member, Momentum for Mental Health (non-profit agency)	2004–2016
High school student mentor, Career Coach Mentoring Program	2002
Lecturer, University of California, San Francisco Mini Med School	2001, 2007
Lecturer, San Francisco Alliance for the Mentally Ill	1995–2016
Volunteer psychiatry attending, UCSF Medical Student Homeless Clinic	1994–1998
Lecturer, National Alliance for the Mentally Ill, Peninsula, North Bay, and East Bay chapters	1988–2016