




Vinod Menon

Rachael L. and Walter F. Nichols, MD, Professor and Professor, by courtesy, of
Neurology

Psychiatry and Behavioral Sciences

 Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrative Contact**

Mai-Phuong Bo - Lab Manager

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Bio

BIO

Prof. Menon is the Rachel L. and Walter F. Nichols, MD, Professor of Psychiatry and Behavioral Sciences and, Professor, by courtesy, of Neurology at Stanford University. He serves as director of Stanford Cognitive and Systems Neuroscience Laboratory, which is dedicated to the investigation of human brain function and dysfunction using a multidisciplinary approach that emphasizes a tight integration of cognitive, behavioral, neuroscience and computational methodologies. Students, staff and scientists in his lab come from multiple disciplines, including psychology, neuroscience, biostatistics, biomedical engineering, psychiatry, and neurology to conduct research in a highly interdisciplinary setting.

Prof. Menon received his BS (Honors) in physics from the Indian Institute of Technology and his PhD in computer science from the University of Texas at Austin. He did a postdoctoral fellowship in neurophysiology at the University of California, Berkeley under the direction of Prof. Walter J. Freeman, III. He came to Stanford University as a Sinclair Foundation Research Fellow and joined the faculty in 2000.

Over the past two decades, Dr. Menon's research has led to major breakthroughs in our understanding of the architecture, function, and development of these large-scale distributed human brain networks. Leveraging expertise in neuroscience, statistics, engineering, computer science, psychology, psychiatry, and neurology, Dr. Menon and his team were among the first to discover that the human brain is organized into specialized and interacting networks of brain regions, which has resulted in a paradigm shift in how we investigate human brain function and cognition. Virtually every psychiatric and neurological disorder has been probed with the scientific framework Dr. Menon and his team first developed. This included the discovery of the default mode and salience networks in the brain, which have led to elucidation of how deficits in access, engagement and disengagement of large-scale brain networks play a prominent role in psychopathology, providing novel insights into brain mechanisms underlying cognitive, affective, and social function and dysfunction that cut across multiple neurological and psychiatric disorders.

Dr. Menon's lab is now recognized as one of the world's leading groups in human cognitive and clinical systems neuroscience. His research has been widely reported in the mainstream press. His work has been cited over 50,000 times with an h-index of 95, and an i-10 index of 195 (Google Scholar) and he has been named an ISI Highly Cited Researcher in Neuroscience (2013, 2015, 2016, 2017, 2018; ISI, Thompson Reuters).

ACADEMIC APPOINTMENTS

- Professor, Psychiatry and Behavioral Sciences

- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Member, Faculty Advisory Board, Clayman Institute for Gender Research at Stanford, (2006-2008)
- Member, Child Psychopathology and Developmental Disabilities (CPDD) Study Section, NIH, (2005-2009)
- Member, Advisory Committee, Stanford Center for Arts, Science and Technology, (2006-2011)
- Director, Stanford Cognitive + Systems Neuroscience Laboratory, (2005- present)

HONORS AND AWARDS

- ISI Highly Cited Researcher - Neuroscience & Behavior, Thomson Reuters/Web of Science (2018)
- NIH MERIT Award (R37) for Outstanding Research, NIH (2018)
- ISI Highly Cited Researcher - Neuroscience & Behavior, Thomson Reuters/Web of Science (2017)
- Editorial Board, Network Neuroscience (2016-)
- ISI Highly Cited Researcher - Neuroscience & Behavior, Thomson Reuters/Web of Science (2016)
- ISI Highly Cited Researcher - Neuroscience & Behavior, Thomson Reuters/Web of Science (2015)
- ISI Highly Cited Researcher - Neuroscience & Behavior, Thomson Reuters/Web of Science (2014)
- Elected Member, American College of Neuropsychopharmacology (2013)
- Editorial Board, J Neurodevelopmental Disorders (2012-)
- Editorial Board, NeuroImage (2011-2014)
- A-STAR Distinguished Visiting Professor, DUKE-NUS Graduate Medical School, National University of Singapore (2009)
- Clayman Institute Fellow, Stanford University (2008)
- 1st prize, New Perspectives in fMRI Research Award, Journal of Cognitive Neuroscience (2004)
- Career Development Award, NIH (2001-2006)
- Young Investigator Award, National Alliance for Research in Schizophrenia and Depression (NARSAD) (1998)
- Welch Fellow, University of Texas at Austin (1988)

PROGRAM AFFILIATIONS

- Symbolic Systems Program

PROFESSIONAL EDUCATION

- B.Sc. (Hons.), Indian Institute of Technology , Physics (1982)
- Ph.D., University of Texas at Austin , Computer science & Neuroscience (1990)
- Postdoctoral Fellow, University of California, Berkeley , Neurobiology (1994)

LINKS

- Stanford Cognitive & Systems Neuroscience Lab: <http://scsnl.stanford.edu>
- Google Scholar: <https://scholar.google.com/citations?user=QzqctJgAAAAJ&hl=en>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Menon's lab uses advanced imaging and computational techniques to investigate the functional and structural architecture of cognitive networks in the human brain. His lab also investigates how disruptions in specific brain circuits impact behavior, cognition, emotion and learning in individuals with neurodevelopmental, psychiatric and neurological disorders.

Current projects include: (1) typical and atypical development of large-scale brain networks; (2) disruption of large-scale brain networks in psychopathology; (3) cognitive, affective, and social information processing systems in children with autism; (4) neural basis of learning disabilities in children; (5) brain training and interventions to remediate poor cognitive skills in children with learning disabilities; (6) computational methods for probing dynamic functional circuits; (7) computational modeling of large-scale functional and structural brain networks.

CLINICAL TRIALS

- Imaging the Nucleus Accumbens in Major Depressed Patients Treated With Pramipexole, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Hyesang Chang, Anup Das, Devinder Kumar, Byeongwook Lee, Simon Leipold, Jin Liu, Ruizhe Liu, Percy Mistry, Yuan Zhang

Postdoctoral Research Mentor

Hyesang Chang, Yuan Zhang

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Phd Program)
- Neurosciences (Phd Program)
- Psychiatry and Behavioral Science (Fellowship Program)

Publications

PUBLICATIONS

- **Spatiotemporal Integrity and Spontaneous Nonlinear Dynamic Properties of the Salience Network Revealed by Human Intracranial Electrophysiology: A Multicohort Replication.** *Cerebral cortex (New York, N.Y. : 1991)*
Das, A., Menon, V.
2020
- **Anxiety and Stress Alter Decision-Making Dynamics and Causal Amygdala-Dorsolateral Prefrontal Cortex Circuits During Emotion Regulation in Children.** *Biological psychiatry*
Warren, S. L., Zhang, Y., Duberg, K., Mistry, P., Cai, W., Qin, S., Bostan, S. N., Padmanabhan, A., Carrion, V. G., Menon, V.
2020
- **Intrinsic functional architecture of the human speech processing network.** *Cortex; a journal devoted to the study of the nervous system and behavior*
Abrams, D. A., Kochalka, J., Bhide, S., Ryali, S., Menon, V.
2020; 129: 41–56
- **Inhibition-related modulation of salience and frontoparietal networks predicts cognitive control ability and inattention symptoms in children with ADHD.** *Molecular psychiatry*
Cai, W., Griffiths, K., Korgaonkar, M. S., Williams, L. M., Menon, V.

2019

- **Hyperdirect insula-basal-ganglia pathway and adult-like maturity of global brain responses predict inhibitory control in children.** *Nature communications*
Cai, W., Duberg, K., Padmanabhan, A., Rehert, R., Bradley, T., Carrion, V., Menon, V.
2019; 10 (1): 4798
- **Development of human emotion circuits investigated using a Big-Data analytic approach: Stability, reliability, and robustness.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Zhang, Y., Padmanabhan, A., Gross, J. J., Menon, V.
2019
- **Impaired voice processing in reward and salience circuits predicts social communication in children with autism.** *eLife*
Abrams, D. A., Padmanabhan, A., Chen, T., Odriozola, P., Baker, A. E., Kochalka, J., Phillips, J. M., Menon, V.
2019; 8
- **Faster learners transfer their knowledge better: Behavioral, mnemonic, and neural mechanisms of individual differences in children's learning.** *Developmental cognitive neuroscience*
Chang, H., Rosenberg-Lee, M., Qin, S., Menon, V.
2019; 40: 100719
- **The visual word form area (VWFA) is part of both language and attention circuitry.** *Nature communications*
Chen, L., Wassermann, D., Abrams, D. A., Kochalka, J., Gallardo-Diez, G., Menon, V.
2019; 10 (1): 5601
- **The Triple Network Model, Insight, and Large-Scale Brain Organization in Autism** *BIOLOGICAL PSYCHIATRY*
Menon, V.
2018; 84 (4): 236–38
- **Dysregulated Brain Dynamics in a Triple-Network Saliency Model of Schizophrenia and Its Relation to Psychosis.** *Biological psychiatry*
Supekar, K., Cai, W., Krishnadas, R., Palaniyappan, L., Menon, V.
2018
- **Deficits in mesolimbic reward pathway underlie social interaction impairments in children with autism.** *Brain : a journal of neurology*
Supekar, K., Kochalka, J., Schaer, M., Wakeman, H., Qin, S., Padmanabhan, A., Menon, V.
2018
- **Uncovering hidden brain state dynamics that regulate performance and decision-making during cognition.** *Nature communications*
Taghia, J., Cai, W., Ryali, S., Kochalka, J., Nicholas, J., Chen, T., Menon, V.
2018; 9 (1): 2505
- **Aberrant Time-Varying Cross-Network Interactions in Children With Attention-Deficit/Hyperactivity Disorder and the Relation to Attention Deficits.** *Biological psychiatry. Cognitive neuroscience and neuroimaging*
Cai, W., Chen, T., Szegletes, L., Supekar, K., Menon, V.
2018; 3 (3): 263–73
- **The Default Mode Network in Autism.** *Biological psychiatry. Cognitive neuroscience and neuroimaging*
Padmanabhan, A., Lynch, C. J., Schaer, M., Menon, V.
2017; 2 (6): 476–86
- **Parietal hyper-connectivity, aberrant brain organization, and circuit-based biomarkers in children with mathematical disabilities** *DEVELOPMENTAL SCIENCE*
Jolles, D., Ashkenazi, S., Kochalka, J., Evans, T., Richardson, J., Rosenberg-Lee, M., Zhao, H., Supekar, K., Chen, T., Menon, V.
2016; 19 (4): 613-631
- **Distinct Global Brain Dynamics and Spatiotemporal Organization of the Salience Network** *PLOS BIOLOGY*
Chen, T., Cai, W., Ryali, S., Supekar, K., Menon, V.
2016; 14 (6)
- **Neural circuits underlying mother's voice perception predict social communication abilities in children** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Abrams, D. A., Chen, T., Odriozola, P., Cheng, K. M., Baker, A. E., Padmanabhan, A., Ryali, S., Kochalka, J., Feinstein, C., Menon, V.

2016; 113 (22): 6295-6300

- **Anhedonia and general distress show dissociable ventromedial prefrontal cortex connectivity in major depressive disorder** *TRANSLATIONAL PSYCHIATRY*
Young, C. B., Chen, T., Nusslock, R., Keller, J., Schatzberg, A. F., Menon, V.
2016; 6
- **Remediation of Childhood Math Anxiety and Associated Neural Circuits through Cognitive Tutoring.** *journal of neuroscience*
Supekar, K., Iuculano, T., Chen, L., Menon, V.
2015; 35 (36): 12574-12583
- **Brain Structural Integrity and Intrinsic Functional Connectivity Forecast 6 Year Longitudinal Growth in Children's Numerical Abilities.** *journal of neuroscience*
Evans, T. M., Kochalka, J., Ngoon, T. J., Wu, S. S., Qin, S., Battista, C., Menon, V.
2015; 35 (33): 11743-11750
- **Cognitive tutoring induces widespread neuroplasticity and remediates brain function in children with mathematical learning disabilities.** *Nature communications*
Iuculano, T., Rosenberg-Lee, M., Richardson, J., Tenison, C., Fuchs, L., Supekar, K., Menon, V.
2015; 6: 8453-?
- **Cognitive tutoring induces widespread neuroplasticity and remediates brain function in children with mathematical learning disabilities.** *Nature communications*
Iuculano, T., Rosenberg-Lee, M., Richardson, J., Tenison, C., Fuchs, L., Supekar, K., Menon, V.
2015; 6: 8453-?
- **Dissociable Roles of Right Inferior Frontal Cortex and Anterior Insula in Inhibitory Control: Evidence from Intrinsic and Task-Related Functional Parcellation, Connectivity, and Response Profile Analyses across Multiple Datasets** *JOURNAL OF NEUROSCIENCE*
Cai, W., Ryali, S., Chen, T., Li, C. R., Menon, V.
2014; 34 (44): 14652-14667
- **Hippocampal-neocortical functional reorganization underlies children's cognitive development.** *Nature neuroscience*
Qin, S., Cho, S., Chen, T., Rosenberg-Lee, M., Geary, D. C., Menon, V.
2014; 17 (9): 1263-1269
- **Underconnectivity between voice-selective cortex and reward circuitry in children with autism** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Abrams, D. A., Lynch, C. J., Cheng, K. M., Phillips, J., Supekar, K., Ryali, S., Uddin, L. Q., Menon, V.
2013; 110 (29): 12060-12065
- **Neural predictors of individual differences in response to math tutoring in primary-grade school children.** *Proceedings of the National Academy of Sciences of the United States of America*
Supekar, K., Swigart, A. G., Tenison, C., Jolles, D. D., Rosenberg-Lee, M., Fuchs, L., Menon, V.
2013; 110 (20): 8230-8235
- **Immature integration and segregation of emotion-related brain circuitry in young children** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Qin, S., Young, C. B., Supekar, K., Uddin, L. Q., Menon, V.
2012; 109 (20): 7941-7946
- **Musical rhythm spectra from Bach to Joplin obey a 1/f power law** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Levitin, D. J., Chordia, P., Menon, V.
2012; 109 (10): 3716-3720
- **Developmental Maturation of Dynamic Causal Control Signals in Higher-Order Cognition: A Neurocognitive Network Model** *PLOS COMPUTATIONAL BIOLOGY*
Supekar, K., Menon, V.
2012; 8 (2)
- **Dynamic Reconfiguration of Structural and Functional Connectivity Across Core Neurocognitive Brain Networks with Development** *JOURNAL OF NEUROSCIENCE*

- Uddin, L. Q., Supekar, K. S., Ryali, S., Menon, V.
2011; 31 (50): 18578-18589
- **Large-scale brain networks and psychopathology: a unifying triple network model** *TRENDS IN COGNITIVE SCIENCES*
Menon, V.
2011; 15 (10): 483-506
 - **Large-scale brain networks in cognition: emerging methods and principles** *TRENDS IN COGNITIVE SCIENCES*
Bressler, S. L., Menon, V.
2010; 14 (6): 277-290
 - **Disrupted Amygdalar Subregion Functional Connectivity and Evidence of a Compensatory Network in Generalized Anxiety Disorder** *ARCHIVES OF GENERAL PSYCHIATRY*
Etkin, A., Prater, K. E., Schatzberg, A. F., Menon, V., Greicius, M. D.
2009; 66 (12): 1361-1372
 - **The anterior insula in autism: Under-connected and under-examined** *1st International Symposium on Neurobehavioral Science*
Uddin, L. Q., Menon, V.
PERGAMON-ELSEVIER SCIENCE LTD.2009: 1198–1203
 - **Development of Large-Scale Functional Brain Networks in Children** *PLOS BIOLOGY*
Supekar, K., Musen, M., Menon, V.
2009; 7 (7)
 - **Task-Evoked Effective Connectivity in Salience and Central Executive Networks Predicts Cognitive Control Ability and Inattention Symptoms in Children With ADHD**
Cai, W., Griffiths, K., Korgaonkar, M., Williams, L., Menon, V.
ELSEVIER SCIENCE INC.2019: S234–S235
 - **Quantitative analysis of heterogeneity in academic achievement of children with autism.** *Clinical psychological science : a journal of the Association for Psychological Science*
Chen, L., Abrams, D. A., Rosenberg-Lee, M., Iuculano, T., Wakeman, H. N., Prathap, S., Chen, T., Menon, V.
2019; 7 (2): 362–80
 - **Faster learners transfer their knowledge better: Behavioral, mnemonic, and neural mechanisms of individual differences in children's learning** *DEVELOPMENTAL COGNITIVE NEUROSCIENCE*
Chang, H., Rosenberg-Lee, M., Qin, S., Menon, V.
2019; 40: 1-14
 - **Dopamine-Related Dissociation of Cortical and Subcortical Brain Activations in Cognitively Unimpaired Parkinson's Disease Patients OFF and ON Medications.** *Neuropsychologia*
Kim, J., Zhang, K., Cai, W., YorkWilliams, S., I Ua Cruadhlaioich, M. A., Llanes, S., Menon, V., Poston, K. L.
2018
 - **Neural signatures of co-occurring reading and mathematical difficulties.** *Developmental science*
Skeide, M. A., Evans, T. M., Mei, E. Z., Abrams, D. A., Menon, V.
2018: e12680
 - **Dynamic Temporal Inflexibility of the Frontoparietal Network Predicts Depression Severity and Treatment Response in Internalizing Psychopathologies**
Young, C., Chen, T., Zhang, Y., Klumpp, H., Phan, K., Menon, V.
ELSEVIER SCIENCE INC.2018: S196–S197
 - **Short-term cognitive training recapitulates hippocampal functional changes associated with one year of longitudinal skill development** *TRENDS IN NEUROSCIENCE AND EDUCATION*
Rosenberg-Lee, M., Iuculano, T., Bae, S., Richardson, J., Qin, S., Jolles, D., Menon, V.
2018; 10: 19–29
 - **Positive Attitude Toward Math Supports Early Academic Success: Behavioral Evidence and Neurocognitive Mechanisms.** *Psychological science*
Chen, L., Bae, S. R., Battista, C., Qin, S., Chen, T., Evans, T. M., Menon, V.
2018: 956797617735528

- **Systems Neuroscience of Mathematical Cognition and Learning: Basic Organization and Neural Sources of Heterogeneity in Typical and Atypical Development** *HETEROGENEITY OF FUNCTION IN NUMERICAL COGNITION*
Iuculano, T., Padmanabhan, A., Menon, V., Henik, A., Fias, W.
2018; 287–336
- **Mechanisms of interactive specialization and emergence of functional brain circuits supporting cognitive development in children.** *NPJ science of learning*
Battista, C., Evans, T. M., Ngoon, T. J., Chen, T., Chen, L., Kochalka, J., Menon, V.
2018; 3: 1
- **Distinct influences of affective and cognitive factors on children's non-verbal and verbal mathematical abilities.** *Cognition*
Wu, S. S., Chen, L., Battista, C., Smith Watts, A. K., Willcutt, E. G., Menon, V.
2017; 166: 118-129
- **Bayesian Switching Factor Analysis for Estimating Time-varying Functional Connectivity in fMRI.** *NeuroImage*
Taghia, J., Ryali, S., Chen, T., Supekar, K., Cai, W., Menon, V.
2017
- **The influence of sex and age on prevalence rates of comorbid conditions in autism.** *Autism research*
Supekar, K., Iyer, T., Menon, V.
2017
- **Temporal Dynamics and Developmental Maturation of Salience, Default and Central-Executive Network Interactions Revealed by Variational Bayes Hidden Markov Modeling** *PLOS COMPUTATIONAL BIOLOGY*
Ryali, S., Supekar, K., Chen, T., Kochalka, J., Cai, W., Nicholas, J., Padmanabhan, A., Menon, V.
2016; 12 (12)
- **Reconfiguration of parietal circuits with cognitive tutoring in elementary school children.** *Cortex; a journal devoted to the study of the nervous system and behavior*
Jolles, D., Supekar, K., Richardson, J., Tenison, C., Ashkenazi, S., Rosenberg-Lee, M., Fuchs, L., Menon, V.
2016; 83: 231-245
- **Multivariate dynamical systems-based estimation of causal brain interactions in fMRI: Group-level validation using benchmark data, neurophysiological models and human connectome project data** *JOURNAL OF NEUROSCIENCE METHODS*
Ryali, S., Chen, T., Supekar, K., Tu, T., Kochalka, J., Cai, W., Menon, V.
2016; 268: 142-153
- **Dissociable Fronto-Operculum-Insula Control Signals for Anticipation and Detection of Inhibitory Sensory Cue.** *Cerebral cortex*
Cai, W., Chen, T., Ide, J. S., Li, C. R., Menon, V.
2016: -?
- **Large-scale intrinsic functional network organization along the long axis of the human medial temporal lobe.** *Brain structure & function*
Qin, S., Duan, X., Supekar, K., Chen, H., Chen, T., Menon, V.
2016; 221 (6): 3237-3258
- **Combining optogenetic stimulation and fMRI to validate a multivariate dynamical systems model for estimating causal brain interactions** *NEUROIMAGE*
Ryali, S., Shih, Y. I., Chen, T., Kochalka, J., Albaugh, D., Fang, Z., Supekar, K., Lee, J. H., Menon, V.
2016; 132: 398-405
- **Causal Interactions Within a Frontal-Cingulate-Parietal Network During Cognitive Control: Convergent Evidence from a Multisite-Multitask Investigation.** *Cerebral cortex*
Cai, W., Chen, T., Ryali, S., Kochalka, J., Li, C. R., Menon, V.
2016; 26 (5): 2140-2153
- **Distinctive Role of Symbolic Number Sense in Mediating the Mathematical Abilities of Children with Autism** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Hiniker, A., Rosenberg-Lee, M., Menon, V.
2016; 46 (4): 1268-1281
- **Plasticity of left perisylvian white-matter tracts is associated with individual differences in math learning.** *Brain structure & function*
Jolles, D., Wassermann, D., Chokhani, R., Richardson, J., Tenison, C., Bammer, R., Fuchs, L., Supekar, K., Menon, V.

- 2016; 221 (3): 1337-1351
- **Distinctive Role of Symbolic Number Sense in Mediating the Mathematical Abilities of Children with Autism.** *Journal of autism and developmental disorders*
Hiniker, A., Rosenberg-Lee, M., Menon, V.
2016; 46 (4): 1268-1281
 - **Compensatory neural mechanisms in cognitively unimpaired Parkinson disease.** *Annals of neurology*
Poston, K. L., YorkWilliams, S., Zhang, K., Cai, W., Everling, D., Tayim, F. M., Llanes, S., Menon, V.
2016; 79 (3): 448-463
 - **Insula response and connectivity during social and non-social attention in children with autism.** *Social cognitive and affective neuroscience*
Odrizola, P., Uddin, L. Q., Lynch, C. J., Kochalka, J., Chen, T., Menon, V.
2016; 11 (3): 433-444
 - **Heterogeneous and nonlinear development of human posterior parietal cortex function.** *NeuroImage*
Chang, T., Metcalfe, A. W., Padmanabhan, A., Chen, T., Menon, V.
2016; 126: 184-195
 - **The Empathizing-Systemizing Theory, Social Abilities, and Mathematical Achievement in Children.** *Scientific reports*
Escovar, E., Rosenberg-Lee, M., Uddin, L. Q., Menon, V.
2016; 6: 23011-?
 - **Memory and cognitive control circuits in mathematical cognition and learning** *MATHEMATICAL BRAIN ACROSS THE LIFESPAN*
Menon, V.
2016; 227: 159-186
 - **Brain State Differentiation and Behavioral Inflexibility in Autism†.** *Cerebral cortex*
Uddin, L. Q., Supekar, K., Lynch, C. J., Cheng, K. M., Odrizola, P., Barth, M. E., Phillips, J., Feinstein, C., Abrams, D. A., Menon, V.
2015; 25 (12): 4740-4747
 - **Sex differences in structural organization of motor systems and their dissociable links with repetitive/restricted behaviors in children with autism** *MOLECULAR AUTISM*
Supekar, K., Menon, V.
2015; 6
 - **Development of common neural representations for distinct numerical problems** *NEUROPSYCHOLOGIA*
Chang, T., Rosenberg-Lee, M., Metcalfe, A. W., Chen, T., Menon, V.
2015; 75: 481-495
 - **Sex differences in cortical volume and gyrification in autism** *MOLECULAR AUTISM*
Schaer, M., Kochalka, J., Padmanabhan, A., Supekar, K., Menon, V.
2015; 6
 - **Brain hyper-connectivity and operation-specific deficits during arithmetic problem solving in children with developmental dyscalculia.** *Developmental science*
Rosenberg-Lee, M., Ashkenazi, S., Chen, T., Young, C. B., Geary, D. C., Menon, V.
2015; 18 (3): 351-372
 - **Development and validation of consensus clustering-based framework for brain segmentation using resting fMRI.** *Journal of neuroscience methods*
Ryali, S., Chen, T., Padmanabhan, A., Cai, W., Menon, V.
2015; 240: 128-140
 - **Role of the anterior insular cortex in integrative causal signaling during multisensory auditory-visual attention.** *European journal of neuroscience*
Chen, T., Michels, L., Supekar, K., Kochalka, J., Ryali, S., Menon, V.
2015; 41 (2): 264-274
 - **Development of common neural representations for distinct numerical problems.** *Neuropsychologia*
Chang, T. T., Rosenberg-Lee, M., Metcalfe, A. W., Chen, T., Menon, V.
2015; 75: 481-95

- **Aberrant Cross-Brain Network Interaction in Children With Attention-Deficit/Hyperactivity Disorder and Its Relation to Attention Deficits: A Multisite and Cross-Site Replication Study.** *Biological psychiatry*
Cai, W., Chen, T., Szegletes, L., Supekar, K., Menon, V.
2015
- **Sex differences in structural organization of motor systems and their dissociable links with repetitive/restricted behaviors in children with autism.** *Molecular autism*
Supekar, K., Menon, V.
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- **Sex differences in cortical volume and gyrification in autism.** *Molecular autism*
Schaer, M., Kochalka, J., Padmanabhan, A., Supekar, K., Menon, V.
2015; 6: 42-?
- **Mathematics Achievement and Anxiety and Their Relation to Internalizing and Externalizing Behaviors** *JOURNAL OF LEARNING DISABILITIES*
Wu, S. S., Willcutt, E. G., Escovar, E., Menon, V.
2014; 47 (6): 503-514
- **Mathematics achievement and anxiety and their relation to internalizing and externalizing behaviors.** *Journal of learning disabilities*
Wu, S. S., Willcutt, E. G., Escovar, E., Menon, V.
2014; 47 (6): 503-514
- **Dissociable roles of right inferior frontal cortex and anterior insula in inhibitory control: evidence from intrinsic and task-related functional parcellation, connectivity, and response profile analyses across multiple datasets.** *journal of neuroscience*
Cai, W., Ryali, S., Chen, T., Li, C. R., Menon, V.
2014; 34 (44): 14652-14667
- **Amygdala subregional structure and intrinsic functional connectivity predicts individual differences in anxiety during early childhood.** *Biological psychiatry*
Qin, S., Young, C. B., Duan, X., Chen, T., Supekar, K., Menon, V.
2014; 75 (11): 892-900
- **The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism.** *Molecular psychiatry*
Di Martino, A., Yan, C., Li, Q., Denio, E., Castellanos, F. X., Alaerts, K., Anderson, J. S., Assaf, M., Bookheimer, S. Y., Dapretto, M., Deen, B., Delmonte, S., Dinstein, et al
2014; 19 (6): 659-667
- **Brain Organization Underlying Superior Mathematical Abilities in Children with Autism** *BIOLOGICAL PSYCHIATRY*
Iuculano, T., Rosenberg-Lee, M., Supekar, K., Lynch, C. J., Khouzam, A., Phillips, J., Uddin, L. Q., Menon, V.
2014; 75 (3): 223-230
- **Arithmetic in the child and adult brain.** *In Handbook of Mathematical Cognition*
Menon, V.
Oxford University .2014
- **Brain hyper-connectivity and operation-specific deficits during arithmetic problem solving in children with developmental dyscalculia** *DEVELOPMENTAL SCIENCE*
Rosenberg-Lee, M., Ashkenazi, S., Chen, T., Christina, Y. B., Geary, D. C., Menon, V.
2014: 351-72
- **Hippocampal-neocortical functional reorganization contributes to children's cognitive development** *Nature Neuroscience*
Qin, S., Cho, S., Rosenberg-Lee, M., Chen, T., Geary, D., Menon, V.
2014; Sep; 17 (9): 1263-9
- **Salience Network** *In Brain Mapping: An Encyclopedic Reference*
Menon, V.
edited by Mesulam, M. M., Kastner, S.
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