Center for Autism Research Organization

Guiding principles:
- The Center is focused on Research
- Based on levels of analysis, basic to clinical to population
- Goal to avoid creating silos based on past or current centers of activity, yet be inclusive
- Fewer, larger subgroups increase the possibility of greater cross-fertilization within shared research domains
- The larger subgroups may later decide to subdivide after initial interactions
- Translational opportunities will likely emerge between subgroups after further interactions
- Technologies can frequently be applied across multiple levels, and thus enhance analysis wherever they are employed

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TECHNOLOGIES

**Molecular:** Genomic, proteomic, metabolomic, biochemical, structural biology  
**MRI:** structural, functional, resting state, DTI  
**Bioengineering:** biomaterial as substrates; platforms for diagnoses; drug delivery; measures of physico-chemical characteristics  
**Neurophysiological:** EEG, ERPs, biophysical sensors, autonomic tone, eye tracking  
**Stem cell models:** Induced pluripotent stem cells and neural stem cells  
**Computational models**
Faculty Associated with the Autism Center

A partial list of faculty who would be affiliated with the Center.

**Brain and Behavior Group**
- Dimitris Metaxas, Ph.D. Biomedical Engineering, RU
- Alan Leslie, Ph.D. Cognitive Science Center, RU
- John Nosher, M.D. Radiology, Rutgers, RWJMS
- Bharat Biswal, Ph.D. New Jersey Institute of Technology
- Gabriella D’Arcangelo, Ph.D. Neuroscience and Cell Biology, Rutgers RWJMS
- Bonnie L. Firestein, Ph.D. Neuroscience and Cell Biology, Rutgers RWJMS
- Ozlem Gunal, Ph.D. Psychiatry, NJMS
- Davide Comoletti, Ph.D. Neuroscience and Cell Biology, Rutgers RWJMS
- Renping Zhou, Ph.D. Ernest Mario School of Pharmacy, RU
- Miriam Rosenberg-Lee, PhD Psychology, Rutgers-Newark
- Yuli Fradkin, PhD Psychiatry, RWJMS
- Stephen Jose Hanson, Ph.D. Brain Imaging Center, Rutgers-Newark
- Elizabeth Torres, Ph.D. Psychology/Computational Neuroscience, RU
- Michael Lewis, PhD. Institute for the Study of Child Development, Rutgers RWJMS

**Genetics Group & Cell Biology Group**
- Jay Tischfield, Ph.D. Genetics, RU
- Linda Bruzstowicz, Ph.D. Genetics, RU
- Gleb Shumyatsky, Ph.D. Genetics, RU
- Judy Flax, PhD Genetics, RU
- William Johnson, M.D. Genetics, Rutgers, RWJMS
- James Millonig, Ph.D. Neuroscience and Cell Biology, Rutgers RWJMS
- Emanuel Dicicco-Bloom, Ph.D. Neuroscience and Cell Biology, Rutgers RWJMS

**Pharmacology/Environmental Group**
- Nancy Fiedler, Ph.D. Environmental and Occupational Health Sciences Institute, Rutgers RWJMS

**Medical Intervention Group**
- Yvette Janvier, M.D. Children’s Specialized Hospital
- Uday Mehta, M.D.
- Michael Armento, M.D.
- Malia Beckwith, M.D.
- Martin Diamond, M.D.
- Michele E. Fantasia, M.D.
- Neil Lombardi, M.D.
- Zeenat Malik, M.D.
- Tara Matthews, M.D.
- Rose Mary Merola, M.D.
- Thomas Rugin, M.D.
- Kapila Seshadri, M.D.
- Lavinia Stoicescu, M.D.
- Eveline Traeger, M.D.
Krishan Yalamanchi, M.D.
Jill Harris, PhD
Wun-jung Kim, MD
Sherie Novotny, M.D.
Ted Petti, M.D.
Audrey Mars, M.D.
Steven Kairys, M.D.
Child and Adolescent Psychiatry RWJMS
Child Psychiatry, Rutgers RWJMS
Hunterdon Medical Center
Jersey Shore Medical Center

Educational Intervention Group
Sandra Harris, Ph.D.
Lara Delmolino, Ph.D.
Bob LaRue, PhD
Christopher J. Manente, PhD
Douglass Developmental Disabilities Center, RU
RCAAS

Public Policy/Outreach Group
Deborah Spitalnik, Ph.D.
Boggs Center on Developmental Disabilities, Rutgers RWJMS

Biological Group
Nicholas M. Ponzio, Ph.D.
Christine Rohowsky-Kochan, PhD
George Wagner, PhD
Harvey Weiss, Ph.D.
Rutgers New Jersey Medical School
Rutgers New Jersey Medical School
Psychology, RU
Neuroscience and Cell Biology, Rutgers RWJMS

Epidemiology Group
Xue Ming, MD, PhD
Caroline Hayes-Rosen, MD
Walter Zahorodny, PhD.
Rutgers New Jersey Medical School
Rutgers New Jersey Medical School
Rutgers New Jersey Medical School