## Clinical Research Studies

For more information and to sign-up for our research registry visit [https://vr.ucdmc.ucdavis.edu](https://vr.ucdmc.ucdavis.edu) or email hs-mindvr@ucdavis.edu

<table>
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<th>Age</th>
<th>Study Title and Description</th>
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<th>Clinical Diagnosis</th>
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| **ALL AGES**             | **SPARK: Simons Foundation Powering Autism Research and Knowledge**                            | ☑️ National online registry  
☑️ Saliva Samples  
☑️ Questionnaires  
# Visits: 0 | **Autism Spectrum Disorder**                                                                 |
|                          | The SPARK study will recruit 50,000 individuals with Autism Spectrum Disorder (ASD), and their family members, from across the U.S. to join an online registry. DNA will be collected through saliva samples. The purpose of this national registry is to identify causes of ASD.  
  
  To register, visit sparkforautism.org/ucd |                   |                      |
| **ALL AGES**             | **(BB) National Fragile X Foundation (NFXF) Collaborative BioMarker Research**                 | ☑️ Biobank  
☑️ Blood Draw  
# Visits: 1 | **Fragile X Syndrome**                                                                       |
| 6-36 months              | **(SCREEN) Online Screening for Autism in the Community**                                     | ☑️ Online  
☑️ Questionnaires  
# Visits: optional | **Typical Development**                                                                      |
|                          | The goal of this project is to test new methods of screening for ASD using an online system. Parents will complete brief screening questionnaires online when their child is 6, 9, 12, 18, 24, & 36 months old. Any children whose screening indicates developmental concerns will be invited for visits to the MIND Institute for comprehensive assessment at no cost when their child is 24 & 36 months. |                   |                      |
| 12-18 months             | **(Early Risk) Shared and Distinct Developmental Pathways to ADHD and ASD**                  | ☑️ Assessments  
# Visits: 3-4 | **ADHD or Typical Development**                                                               |
| 1 to 17 years            | **(Kids First) Kids First Initiative by the Hartwell Foundation**                             | ☑️ Online  
☑️ Questionnaires  
# Visits: 0 | **Autism Spectrum Disorder**                                                                  |
|                          | This study is an online study that will require families to enroll in a database and complete questionnaires regarding demographic and behavioral information. The goal of the study is to collect information about each child to create better classifications for Autism Spectrum Disorder. |                   |                      |
| 2 to 3 ½ years           | **(BRAIN) Brain Research in Autism: Investigating Neurophenotypes**                           | ☑️ Blood Draws  
☑️ MRI  
☑️ Assessments  
# Visits: 4 | **Autism Spectrum Disorder or Typical Development**                                           |
| 2½ to 7 years            | **(PLAY-DS) Early Childhood Communication Outcome Measures for Down syndrome**               | ☑️ Assessments  
# Visits: 1-2 | **Down syndrome**                                                                            |
| MALES                    | **(FMRP) Family Relationships and Parenting of Children with FXS**                            | ☑️ Telehealth – online study  
☑️ Both biological parents to participate | **Fragile X Syndrome or Fragile X Premutation**                                               |
| 3 to 8 years             | The goal of this research is to examine how family relationships and the broader family environment influence developmental outcomes for young children with FXS. |                   |                      |
| 3 to 17 years            | **(MMID) Memory Measures for Intellectual Disabilities**                                     | ☑️ Assessments  
# Visits: 3 | **Typical Development, Fragile X Syndrome, or Down Syndrome**                                |
| 6 to 25 years            | **(TOOLBOX) A Cognitive Test Battery for Intellectual Disabilities**                          | ☑️ Assessments  
# Visits: 2-3 | **Fragile X Syndrome, Down syndrome, or Intellectual Disability**                            |
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| 6 to 25 years        | (MET) A Double-Blind, Placebo-Controlled Trial of Metformin in Individuals with Fragile X Syndrome  
The goal of this 4-month placebo-controlled trial of metformin, a common type 2 diabetes medication, is to examine whether it is beneficial for improving language, cognition, and behavior in children and adults with FXS. | ☒ Assessments ☒ Medication ☒ Blood Draws  
# Visits: 3                                                                            | Fragile X Syndrome                                                               |
| 8 to 12 years        | (STAAR) Specifying and Treating Anxiety in Autism Research  
The goal of STAAR is to better characterize anxiety in ASD and evaluate if medication or Cognitive Behavioral Therapy (CBT) is more effective for children with ASD and anxiety. Participants will be offered medication, CBT, or pill placebo. If put into pill placebo, participants will be offered their choice of complimentary CBT or study medication after completion of the study. | ☒ Blood Draws ☒ MRI ☒ Assessments  
# Visits: 1x per week for 16 weeks                                                      | Autism Spectrum Disorder with a clinical diagnosis of anxiety or symptoms of anxiety |
| 8 to 12 years        | (VRAM) Virtual Reality Attention Management  
The goal of this study is to identify and pilot key tasks and operational design for distractor resistance training, in a virtual reality (VR) classroom, with participants who have attention problems and/or ADHD with significant inattention. This study is a preliminary assessment of VR training feasibility and intervention outcomes. | ☒ Assessments ☒ Questionnaires  
# Visits: 3-4  
4-6 weeks at home w/ headset                                                           | ADHD                                                                          |
| 16 to 23 years       | (FXLA 2.0) Language Development in Fragile X Syndrome  
The goal of the study is to learn more about how certain abilities, experiences, and biological aspects affect language abilities in individuals with fragile X syndrome and their transition into adulthood. | ☒ Blood Draw ☒ Assessments  
# Visits: 2 visits to MIND, 2 home visits                                                 | Fragile X Syndrome                                                               |
| 18 to 30 years       | (MINT) Mapping Impulsivity Neurodevelopmental Trajectories  
The purpose of the MINT Study is to better understand how self-control develops in young adults with and without ADHD.                                                                                   | ☒ MRI ☒ Assessments  
# Visits: 10-12                                                                     | ADHD or Typical Development                                                        |
| 18 years or older    | (MARBLES) Markers of Autism Risk in Babies-Learning Early Signs  
This study enrolls pregnant women or those likely to become pregnant soon who have a child diagnosed with ASD. The purpose of this study is to learn about risk factors occurring during pregnancy that may be associated with ASD. The babies will be followed for 3 years. | ☒ Blood Draws ☒ Assessments  
# Visits: 4 home visits, 2-4 visits to the MIND                                      | Women who have given birth to a child with ASD and are currently pregnant or likely to become pregnant soon |
| 22 to 45 years       | Hormonal bio-markers of stress in adults with Intellectual Disability  
The goal of this study is to better understand how people with Intellectual disability report stress and how that stress is related to biological functioning.                               | ☒ Assessments  
# Visits: 1                                                                          | Intellectual Disability                                                            |

*Updated 09/26/19*