



University of Colorado **Anschutz Medical Campus**

# Department of Neurology

## Research Catalog | Volume 1, Issue 2

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Over the years, we have talked to many individuals who are interested in [Neurology Clinical Research](#) opportunities at the University of Colorado Anschutz Medical Campus and who want to be updated on future opportunities—individuals just like you! It was your commitment to research that inspired this annual Neurology Research Catalog — a way to provide updates on our research opportunities to those whom we have seen in clinic and/or have consented into our [Neurology Recruitment Database](#). This catalog contains a list of our currently enrolling research studies, organized by diagnosis, and the key eligibility criteria required for participation in each study. We sincerely value your time and consideration of our research and hope you find this catalog informative.

One of our goals is to offer ways for monolingual Spanish speaking people to participate in our research program. If you are not comfortable participating in English and are fluent in Spanish, please reach out to our Neurology Research Recruitment Team at [NeuroResearch@CUAnschutz.edu](mailto:NeuroResearch@CUAnschutz.edu) or 303-724-4644 to learn more about our neurology research opportunities available in Spanish. We hope to continue extending our research program to more communities with additional languages.

Thank you for your passion for research and desire to help others—your consideration and generous participation is imperative to our research. Please reach out to our Neurology Research Recruitment Team by filling out our [webform](https://neurologyevent.ucdenver.edu/recruitment/welcome) (<https://neurologyevent.ucdenver.edu/recruitment/welcome>) or reach out via email ([NeuroResearch@cuanschutz.edu](mailto:NeuroResearch@cuanschutz.edu)) or phone (303-724-4644).

if you are interested in research studies enclosed in this catalog and keep an eye out for future catalog issues.



## Departamento de Neurología

# Catálogo de Investigación | Volumen 1, Número 2



En los últimos años, hemos hablado con muchas personas que están interesadas en las [investigaciones del Departamento de Neurología](#) en la Universidad De Colorado Anschutz Medical Campus y que desean en un futuro la oportunidad de participar en estos estudios clínicos – ¡personas como usted!

Ha sido el compromiso de nuestros participantes que inspiro este catálogo semestral – una forma de proporcionar actualizaciones sobre nuestras oportunidades de investigación a aquellos a quienes hemos visto en la clínica y/o han dado su consentimiento para nuestra [base de reclutamiento de datos en neurología](#). Este catálogo contiene una lista sobre nuestras investigaciones que están reclutando participantes, organizada por diagnóstico, y los criterios de inclusión requeridos para participar en cada estudio. Nosotros valoramos su tiempo y su consideración para nuestros estudios de investigación. Esperamos que este catálogo sea útil para usted.

Una de nuestras metas es ofrecer oportunidad de participación a las personas que hablan español. Si usted no se siente cómodo hablando en inglés y prefiere hablar en español, por favor comuníquese con nosotros al 303-724-4644 Neurology Research Partners; o envíe un correo electrónico a [NeuroResearch@CUAnschutz.edu](mailto:NeuroResearch@CUAnschutz.edu) para conocer sobre nuestras oportunidades de investigación disponibles en español. Esperamos continuar nuestro programa de investigación y expandirnos a comunidades de habla hispana.

Gracias por su pasión a la investigación y deseo de ayudar a otros – su consideración y generosa participación es importante e indispensable para el éxito de las investigaciones. Comuníquese con Neurology Research Partners en **NeuroResearch@CUAnschutz.edu o 303-724-4644** si está interesado en los estudios de investigación incluidos en este catálogo y esté atento a futuras ediciones.

## **Neurology Research Catalog Volume 1, Issue 2**

**06 JUNE 2023**

Information contained in this catalog is accurate as of print date. Please confirm with the study staff for updates on studies that may not be reflected in this catalog, or visit the University of Colorado, Department of Neurology Clinical Research website: <https://medschool.cuanschutz.edu/neurology/research/clinical-research>

Please note that this catalog only includes basic eligibility requirements. The study staff will discuss the full eligibility criteria and only people who meet all criteria will be enrolled.

The information contained in this catalog is not to be used as medical advice. If you or someone you know is concerned about their brain health, please consult your health care provider.

If you think you may be eligible for one of our studies or if you would like more information, please fill out our [webform](#) or contact us at [NeuroResearch@CUAnschutz.edu](mailto:NeuroResearch@CUAnschutz.edu) or 303-724-4644.

**If you are interested in scheduling an appointment with a neurology provider, please contact our clinic at (720) 848-2080.**

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**Clinical study:** a research study involving human participants that is intended to add to medical knowledge. There are two types of studies: interventional and observational.

- **Interventional study:** a type of clinical study in which participants are assigned to groups that receive one or more interventions/treatments so that researchers can evaluate the effects of the interventions on biomedical or health-related outcomes.
- **Observational study:** a type of clinical study where participants are observed for biomedical or health outcomes. Participants may receive interventions, but the investigator does not assign participants to specific interventions.

**Clinicaltrials.gov:** a web-based resource that provides patients, their family members, health care professionals, researchers, and the public with easy access to information on publicly and privately supported clinical studies on a wide range of diseases and conditions.

**Eligibility criteria:** the key requirements that people who want to participate in a clinical study must meet or the characteristics they must have.

**Informed consent:** a process used by researchers to communicate to potential and enrolled participants what the trial involves. Participants must understand what will be done in the trial, how the protocol works, what risks/discomforts they may experience, and that participation in the trial is a voluntary decision.

**Principal investigator:** the person who is responsible for the scientific and technical direction of the study (e.g., a neurologist or PhD-level researcher).

**Placebo:** an inactive substance or treatment that looks the same as and is given in the same way as the active intervention/treatment being studied.

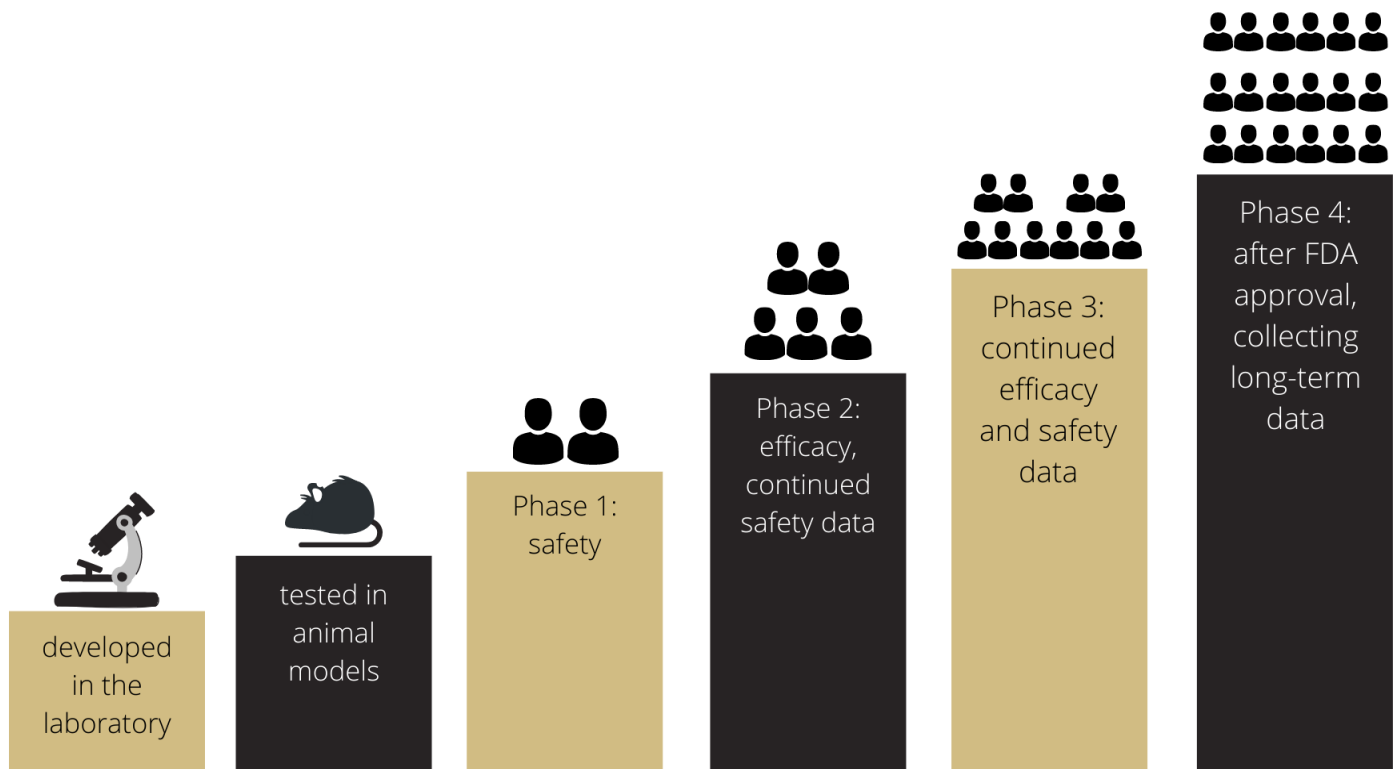
**Masked:** clinical trial design strategy in which one or more parties involved in the trial, such as the investigator or participants, do not know which participants have been assigned to which intervention. Types of masking include: open-label, single-blind masking, and double-blind masking.

**Open-label extension:** a trial that follows an original randomized clinical trial. In an open-label extension study, all participants receive the study drug (rather than placebo) and additional safety data is collected. Typically only open to people who participated in the randomized trial.

**Randomized:** a type of trial where participants are allocated to a study group (e.g. placebo or active treatment) by chance.

**Phase:** the stage of a clinical trial studying a drug or biological product, based on definitions developed by the U.S. Food and Drug Administration (FDA). The phase is based on the study's objective, the number of participants, and other characteristics.

- **Phase 1:** clinical trials that focus on the safety of a drug. They are usually conducted with healthy volunteers and involve a small number of participants.
- **Phase 2:** clinical trials that gather preliminary data on whether a drug works in people who have a certain condition/disease (that is, the drug's effectiveness).
- **Phase 3:** clinical trials that gather more information about a drug's safety and effectiveness by studying different populations, different dosages, and by using the drug in combination with other drugs.
- **Phase 4:** clinical trials, occurring after the FDA has approved a drug for marketing, to gather additional information about a drug's safety, efficacy, or optimal use.





The Epilepsy Subspecialty Research at the University of Colorado is a leading center for innovative research and exceptional care for patients with epilepsy and related brain disorders. Through innovative clinical research, including first-in-human studies, we aim to develop and test novel treatments to improve patient outcomes. Our research efforts focus on investigating the underlying mechanisms of epilepsy, exploring new therapeutic approaches, and enhancing the quality of life for those living with epilepsy. Our goal is to discover effective diagnostics, treatments, and cures for epilepsy and related disorders.

	<b>Key Eligibility Requirements</b>
<p><b><i>Idiopathic Generalized Epilepsy (IGE)</i></b></p> <p><b>NAUTILUS (22-0838)</b></p> <p><i>Investigator:</i> <a href="#">Naveed Chaudhry, MD</a></p> <p><i>Purpose:</i> to find out if thalamic stimulation with NeuroPace RNS® System is safe and effective (works well) as an additional treatment in reducing the frequency of primarily generalized seizures in individuals 12 years of age or older with drug resistant idiopathic generalized epilepsy (IGE).</p> <p><i>Intervention:</i> NeuroPace RNS® System implantation (50% chance) or sham implantation (50% chance).</p> <p><i>Timeline:</i> up to 14 in person visits over up to 2 years.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05147571</a></p>	<ul style="list-style-type: none"> <li>• Age: 12+ years old</li> <li>• Diagnosis: idiopathic generalized epilepsy</li> <li>• Failed treatment with 2+ antiseizure medications</li> <li>• Able to maintain daily electronic diary</li> </ul>
<p><b><i>Temporal Lobe Epilepsy (TLE)</i></b></p> <p><b>NEURONA (21-3486)</b></p> <p><i>Investigator:</i> <a href="#">Lesley Kaye, MD</a></p> <p><i>Purpose:</i> to evaluate the safety and efficacy of a surgical cell therapy called NRTX-1001 in participants with drug resistant mesial temporal lobe epilepsy (MTLE). Additionally, to see if NRTX-1001 can reduce number of seizures.</p> <p><i>Intervention:</i> there are two different stages of this study, described below. If eligible, you would participate in one of the stages.</p> <ol style="list-style-type: none"> <li>1. NRTX-1001</li> <li>2. NRTX-1001 (66% chance) or sham surgery (33% chance)</li> </ol> <p><i>Timeline:</i> 13 visits over 24 months, then long-term follow up for 13 years (for both stages).</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05135091</a></p>	<ul style="list-style-type: none"> <li>• Age: 18-65 years old</li> <li>• Diagnosis: temporal lobe epilepsy</li> <li>• Seizure frequency average 2 or more per 28 day period in the previous 6 months</li> <li>• Has failed to achieve seizure control despite trials of at least 2 anti-seizure drugs</li> </ul>

These studies are for people with no known neurological conditions. Healthy volunteer studies provide crucial data for our researchers by creating a comparison group for neurological conditions and by helping us learn more about how the brain typically functions when unaffected by disease. These studies are a great opportunity for people with no neurological conditions to contribute to the field of neurology research.

	<b>Key Eligibility Requirements</b>
<b><i>First-degree Relatives of People with Multiple Sclerosis (MS)</i></b>	
<b>DREAMS (19-0393)</b> <i>Investigator:</i> <a href="#">Teri Schreiner, MD, MPH</a> <i>Purpose:</i> to learn more about the risk factors for and causes of MS by studying children who are first degree relatives of people with MS. <i>Timeline:</i> a single 3-4 hour study visit (includes MRI and blood draw).	<ul style="list-style-type: none"> <li>• Age: 10-17 years old</li> <li>• Have parent or sibling with MS</li> <li>• No diagnosis of MS or early symptoms of MS</li> </ul>
<b>RISEMS (17-1884)</b> <i>Investigator:</i> <a href="#">Enrique Alvarez, MD, PhD</a> and <a href="#">John Corboy, MD</a> <i>Purpose:</i> to learn more about the risk factors for and causes of MS by studying first degree relatives of people with MS. <i>Timeline:</i> a single 2-3 hour study visit (includes MRI and blood draw). <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT03586986</a>	<ul style="list-style-type: none"> <li>• Age: 18-30 years old</li> <li>• Have a parent, sibling or child with MS</li> <li>• No diagnosis of MS or early symptoms of MS</li> </ul>
<b><i>Movement Disorders</i></b>	
<b>Cytokine Observational Study (18-1356)</b> <i>Investigator:</i> <a href="#">Maureen Leehey, MD, FAAN</a> <i>Purpose:</i> to learn more about the level of inflammatory and other markers in the blood of patients with PD, ET, and healthy volunteers. <i>Timeline:</i> one time blood draw.	<ul style="list-style-type: none"> <li>• Have NOT been diagnosed with Parkinson's disease (PD) or essential tremor (ET)</li> <li>• Age: 60-75 years old</li> </ul>
<b>Michael J. Fox Foundation PPMI 2.0 (20-1204)</b> <i>Investigator:</i> <a href="#">Michelle Fullard, MD, MSCE</a> <i>Purpose:</i> to continue to obtain information from people with and without Parkinson's disease (PD) so that researchers may better understand how PD progresses, in order to inform better treatments. <i>Timeline:</i> 2 visits annually for up to 7 years. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04477785</a>	<ul style="list-style-type: none"> <li>• Have NOT been diagnosed with PD</li> <li>• Do NOT have a first degree relative with PD</li> <li>• Age: 30+ years old OR</li> <li>• Have NOT been diagnosed with PD</li> <li>• Have a first degree relative with PD</li> <li>• Age: 60+ years old</li> </ul>



# Healthy Volunteers (cont.)

## Neurobehavior

### Facial Expressions Study (17-0599)

*Investigator:* [Peter Pressman, MD](#)

*Purpose:* to understand how the brain makes different facial expressions using high speed videography, learn more about how neurological disorders may impact a person's facial movements and expressions, and develop the groundwork for a diagnostic tool that would detect differences between a person's facial movements/expressions and their emotions.

*Timeline:* one study visit that will last approximately one hour.

*CUACC Website:* <https://medschool.cuanschutz.edu/alzheimer/get-involved/open-studies/facial-movements-study>

- Age: 18-75 years old
- Diagnosis: Mild Cognitive Impairment (MCI) or dementia or have NOT been diagnosed with a memory disorder
- Are right handed

## Neuromuscular

### DN (19-3004)

*Study Title:* Participants Needed for Research Study About Diabetes and Neuropathy.

*Investigator:* [Vera Fridman, MD](#)

*Purpose:* to learn more about the underlying causes of diabetic neuropathy by looking for the presence of abnormal molecules in the blood and skin and comparing them in people with and without Type 2 Diabetes.

*Procedures:* blood draw, skin biopsy, neurological and physical exam.

*Timeline:* 2 study visits which will occur within 30 days of each other.

- Age: 45-65 years old
- Have NOT been diagnosed with Type 2 Diabetes (T2D)

The [University of Colorado Movement Disorders Center \(MDC\)](#) is a nationally recognized center for specialty care for those with movement disorders. The center is recognized as a Huntington's Disease Society of America Center of Excellence and a Parkinson's Foundation Center of Excellence.

The mission of the MDC is to excel in providing world-class clinical care, conduct cutting-edge research, serve as a leader in educating professionals, and serve as a regional leader in community involvement.

	<b>Key Eligibility Requirements</b>
<p><b><i>Ataxia</i></b></p> <p><b>FA-COMS (18-1641)</b></p> <p><i>Investigator:</i> <a href="#">Trevor Hawkins, MD</a></p> <p><i>Purpose:</i> to learn more about Friedreich ataxia (FRDA) progression and to measure clinical and biochemical changes over time.</p> <p><i>Timeline:</i> annual visits.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT03090789</a></p>	<ul style="list-style-type: none"> <li>• Diagnosis: Friedreich ataxia (FRDA)</li> <li>• Age: 18+ years old</li> </ul>
<p><b><i>Dystonia</i></b></p> <p><b>Dystonia Coalition Projects-3 (20-0290)</b></p> <p><i>Investigator:</i> <a href="#">Jeanne Feuerstein, MD</a></p> <p><i>Purpose:</i> this research includes four related projects each having different but overlapping goals: (1) learn about how dystonia may progress over time and what causes dystonia (Natural History project), (2) develop tools to measure the severity of symptoms objectively (Objective Measures project), (3) create a collection of blood samples for analysis (Biobank project), and (4) develop an app to monitor symptom severity (optional Patient-Centered Outcomes project).</p> <p><i>Website:</i> <a href="#">Dystonia Coalition</a>: <a href="https://rarediseasesnetwork.org/cms/dystonia/Get-Involved/Research-Studies/6305-Dystonia-Coalition-Projects-3-DCP3">https://rarediseasesnetwork.org/cms/dystonia/Get-Involved/Research-Studies/6305-Dystonia-Coalition-Projects-3-DCP3</a></p>	<ul style="list-style-type: none"> <li>• Diagnosis: any isolated focal, segmental, multifocal, generalized, or hemi-dystonia</li> <li>• Age: 18+ years old</li> <li>• Patient-Centered Outcomes project: receiving Botulinum neurotoxin (BoNT) treatments.</li> </ul>
<p><b><i>Healthy Volunteers</i></b></p> <p><b>Cytokine Observational Study (18-1356)</b></p> <p><i>Investigator:</i> <a href="#">Maureen Leehey, MD, FAAN</a></p> <p><i>Purpose:</i> to learn more about the level of inflammatory and other markers in the blood of patients with PD, ET, and healthy volunteers.</p> <p><i>Timeline:</i> one time blood draw.</p>	<ul style="list-style-type: none"> <li>• Have NOT been diagnosed with Parkinson's disease (PD) or essential tremor (ET)</li> <li>• Age: 60-75 years old</li> </ul>

## Healthy Volunteers (continued)

### Michael J. Fox Foundation PPMI 2.0 (20-1204)

*Investigator:* [Michelle Fullard, MD, MSCE](#)

*Purpose:* to continue to obtain information from people with and without Parkinson's disease (PD) so that researchers may better understand how PD progresses, in order to inform better treatments.

*Timeline:* 2 visits annually for up to 7 years.

*ClinicalTrials.gov Identifier:* [NCT04477785](#)

- Have NOT been diagnosed with PD
- Do NOT have a first degree relative with PD
- Age: 30+ years old  
OR
- Have NOT been diagnosed with PD
- Have a first degree relative with PD
- Age: 60+ years old

## Huntington's Disease (HD)

### Music Therapy Clinical Trial (16-2308)

*Investigator:* [Isabelle Buard, PhD](#)

*Purpose:* to learn more about the brain function related to fine motor skills in individuals with Huntington's disease (HD).

*Timeline:* 3-4 study visits over the course of 7 weeks and 3 Neurologic Music Therapy sessions per week for 5 weeks.

*Intervention:* Neurologic Music Therapy (can be done at the office of a music therapist, virtually, or in home depending on location).

*ClinicalTrials.gov Identifier:* [NCT03049033](#)

- Diagnosis: HD
- Age: 30-85 years old
- Have some difficulties with fine motor skills (such as buttoning, cutting your food, or typing on a keyboard)

## Multiple System Atrophy-Parkinsonian subtype (MSA-P)

### Brain Imaging Research Study for Multiple System Atrophy-Parkinsonian subtype (MSA-P) (22-1462)

*Investigator:* [Drew Kern, MD, MS](#)

*Purpose:* to learn more about whether a new magnetic resonance imaging (MRI) method may reveal differences between patients with the Parkinsonian Type of Multiple System Atrophy (MSA-P) and patients with Parkinson's Disease (PD).

*Assessments:* clinical exam and MRI scan.

*Timeline:* 1 visit at University of Colorado Hospital, about 30 minutes.

- Age: 40-80 years old
- Diagnosis: meets diagnostic criteria for probable MSA-P diagnosis, as defined by the American Academy of Neurology and National Institute of Health MSA diagnosis guidelines

## *Parkinson's Disease (PD)*

### **BlueRock PD Diary (22-1234)**

*Investigator:* [Alexander Baumgartner, MD](#)

*Purpose:* to study the impact of frequency of assessments on your changes and variability over time, reliability, and compliance for a Parkinson's disease diary, a 24-hour diary pertaining to your PD symptoms. This study is also intended to characterize the stability of your disease status, motor function, quality of life, and use of medications, without making any specific change to the treatment(s) selected by your doctor as a standard of care.

*Timeline:* 7 in-person visits over 24 months.

*ClinicalTrials.gov Identifier:* [NCT05363046](#)

- Age: 39-70 years old
- Diagnosis: Parkinson's Disease for 3-18 years
- Symptoms not adequately controlled with medications

### **CereGate (21-5060)**

*Investigator:* [Drew Kern, MD, MS](#)

*Purpose:* to find out if CereGate therapy reduces freezing of gait in participants with Parkinson's disease with a pre-existing Gevia™ implanted deep brain stimulation (DBS) system.

*Treatment:* your existing Gevia DBS system is programmed with an additional stimulation program for you to use when walking. You continue to use your existing DBS program and existing medications. There are no new medications, surgeries or invasive procedures.

*Timeline:* 5 in-person visits over approximately 100 days.

*ClinicalTrials.gov Identifier:* [NCT05292794](#)

- Diagnosis: Parkinson's Disease (PD)
- Age: 21-75 years old
- Currently have implanted Gevia™ DBS system
- Currently being treated with PD medications
- Currently have freezing of gait

### **ExCITES-PD (22-1685)**

*Investigator:* [Amy Amara, MD, PhD](#)

*Purpose:* to examine the impact of exercise on sleep and cognition in Parkinson's Disease.

*Procedures:* 12-24 weeks of exercise rehabilitation, testing such as brain scans, sleep studies and questionnaires.

*Timeline:* 33 total weeks in study.

*Study flyer:* [https://www.ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/excitespd\\_flyer-no-tabs\\_12-17-22\\_approved.pdf](https://www.ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/excitespd_flyer-no-tabs_12-17-22_approved.pdf)

- Parkinson's Disease (PD):
- Age: 45 or older
  - Diagnosis: Parkinson's Disease
  - No contraindications to exercise

Study Partner:

- Age: 18 or older
- Spends at least 10 or more hours per week with the PD subject

# Movement Disorders (cont.)

## LUMA (22-0285)

*Investigator:* [Emily Forbes, DO](#)

*Purpose:* to look at whether the study drug (BIIB122) works in people with early-stage Parkinson's disease, how safe it is in terms of medical problems known as "side effects", and how the body handles taking it (tolerability).

*Treatment:* BIIB122 (50% chance) or placebo (50% chance).

*Timeline:* 20 in-person visits during a period of up to 152 weeks.

*ClinicalTrials.gov Identifier:* [NCT05348785](#)

- Age: 30-80 years old
- Diagnosis: Parkinson's disease (diagnosis received within the past 2 years and at least 30 years old at time of diagnosis)
- Never treated with PD medications OR treated with PD medications for less than 1 year

## Michael J. Fox Foundation PPMI 2.0 (20-1204)

*Investigator:* [Michelle Fullard, MD, MSCE](#)

*Purpose:* to continue to obtain information from people with and without Parkinson's disease (PD) so that researchers may better understand how PD progresses, in order to inform better treatments.

*Timeline:* 2 visits annually for up to 7 years.

*ClinicalTrials.gov Identifier:* [NCT04477785](#)

- Diagnosis: PD for  $\leq$  2 years
- Age: 30+ years old
- NOT currently being treated with PD medications or expected to require PD medications within 6 months

## Music Therapy Clinical Trial (16-2308)

*Investigator:* [Isabelle Buard, PhD](#)

*Purpose:* to learn more about the brain function related to fine motor skills in individuals with Parkinson's disease (PD).

*Timeline:* 3-4 study visits over the course of 7 weeks and 3 sessions per week for 5 weeks for either music therapy intervention, or occupational therapy (OT) intervention, or no intervention (location options available for interventions).

*Intervention:* (1) musical intervention group A, (2) musical intervention group B, (3) standard of care OT, or (4) a waitlist group for 5 weeks.

*ClinicalTrials.gov Identifier:* [NCT03049033](#)

- Diagnosis: PD
- Age: 45-85 years old
- Have some difficulties with fine motor skills (such as buttoning, cutting your food, or typing on a keyboard)

## PD GENERation: Mapping the Future of Parkinson's Disease

*Investigator:* [Jeanne Feuerstein, MD](#)

*Purpose:* a Parkinson's Foundation initiative to help scientists advance their understanding of PD by offering genetic testing and genetic counseling at no cost for people with Parkinson's Disease (PD).

*Assessment:* one-time, home-delivered genetic testing kit.

*Study flyer:* [https://ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/pdgene\\_general-flyer\\_v1\\_english\\_02dec2022.pdf](https://ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/pdgene_general-flyer_v1_english_02dec2022.pdf)

*ClinicalTrials.gov Identifier:* [NCT04994015](#)

- Age: 18 and older
- Diagnosis: meet Movement Disorder Society (MDS) Clinical Diagnostic Criteria for Parkinson's Disease: probable diagnosis

For more information, please fill out our webform (<https://neurologyevent.ucdenver.edu/recruitment/welcome>) or contact us at [NeuroResearch@CUAnschutz.edu](mailto:NeuroResearch@CUAnschutz.edu) or 303-724-4644 | 06 JUNE 2023

## *Parkinson's Disease (continued)*

### **Resistance Training Study (22-2333)**

*Investigator:* [Mark Mañago, DPT, PhD, PT, NCS](#)

*Purpose:* this research study proposes to investigate a strengthening program using blood flow restriction to improve strength and mobility in people Parkinson Disease who have walking limitations.

*Timeline:* participants must be willing and able to participate in twice weekly intervention for 8 weeks (in-person), and participate in strength and mobility assessments before and after the exercise program.

*Procedures:* strength training exercises using blood flow restriction performed in-person 2x/ week under supervision of physical therapist for 8 weeks.

*Study flyer:* <https://www.ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/bfr-pd-ad.pdf>

- People with PD who have at least some difficulties with walking, Hoehn and Yahr Stage II or higher

### **SHINE (22-1962)**

*Investigator:* [Trevor Hawkins, MD](#)

*Purpose:* to determine if investigational treatment, JM-010, is safe and effective in the treatment of levodopa-induced dyskinesia.

*Treatment:*

- Part 1: receive either one of 3 dose combinations of one component of JM-010 (active drug) and 1 placebo, or 2 placebos.
- Part 2: receive either one of 2 dose combinations JM-010 (active drug) and 1 placebo, one component of JM-010 and 1 placebo, or 2 placebos.

*Timeline:*

- Part 1: 5-6 in-person visits during a period of 6 to 11 weeks.
- Part 2: 7 in-person visits during a period of 15 to 20 weeks.

*ClinicalTrials.gov Identifier:* [NCT04377945](#)

- Age: 18-85 years old
- Diagnosis: Idiopathic Parkinson's Disease (PD)
- Experienced dyskinesia over a period of at least 3 months prior to Screening Visit

### **Sleep Research Study (22-1244)**

*Investigator:* [Jeanne Feuerstein, MD](#)

*Purpose:* to learn more about abnormal sleep in Parkinson's and Post-Traumatic Stress Disorder (PTSD).

*Timeline:* 1 in-person study visit to the Anschutz campus and 7 days of wearing a sleep and motion monitor.

*Study flyer:* [https://ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/parkinson's-ptsd-flyer\\_31oct2022-approved.pdf](https://ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/parkinson's-ptsd-flyer_31oct2022-approved.pdf)

- Age: 35-80 years old
- Diagnosis: Post-Traumatic Stress Disorder (PTSD) OR Parkinsonism
- Diagnosis: REM sleep behavior disorder (i.e., acting out dreams in your sleep)



## Parkinson's Disease (continued)

### SPARX3 (20-1854)

*Investigator:* [Cory Christiansen, PT, PhD](#)

*Purpose:* to learn more about the effects of aerobic exercise on people with Parkinson's disease (PD) who have not yet started medication for their PD.

*Intervention:* moderate to high intensity exercise on a treadmill

*Timeline:* exercise 4x/week with periodic study visits for 24 months.

*ClinicalTrials.gov Identifier:* [NCT04284436](#)

- Diagnosis: PD ≤ 3 years
- Age: 40-80 years old
- NOT currently being treated with PD medications or expected to require PD medications within 6 months

### Swallow Strength Study

*Investigator:* [Elizabeth Cuadrado, MS](#)

*Purpose:* a new study is looking at a device that would strengthen the muscles of your mouth to make eating and drinking easier for individuals with Parkinson's Disease.

*Study flyer:* <https://www.ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/swallow-strenght-19-1850-cosd-flier-without-tabs-8-19-2022.pdf>

*For more information, please call 303-724-8335 or email (preferred) [quinlyn.axelson@cuanschutz.edu](mailto:quinlyn.axelson@cuanschutz.edu).*

- 18 years or older
- willing to go to Anschutz branch of University of Colorado for 5 visits
- Willing to exercise the muscles of your mouth outside of study visits

### Trial of Parkinson's and Zoledronic Acid (TOPAZ)

*Investigator:* [Michelle Fullard, MD, MSCE](#)

*Purpose:* to learn if a medicine called Zoledronic Acid (ZA) can reduce fractures and deaths in people with Parkinson's Disease or parkinsonism.

*Intervention:* one-time dose of the study treatment (either ZA or a placebo).

*Timeline:* 1 in-person exam with a nurse at home and a study check-in (by email, mail, or phone) every 4 months to ask if you have any fractures for 2-5 years.

*Study flyer:* [https://www.ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/topaz-postcard\\_v2-1\\_8-18-20\\_u-of-colorado-denver-\(colorado\).pdf](https://www.ucdenver.edu/docs/librariesprovider61/clinical-research-pdfs/topaz-postcard_v2-1_8-18-20_u-of-colorado-denver-(colorado).pdf)

*ClinicalTrials.gov Identifier:* [NCT03924414](#)

- Age: 60 years or older
- Diagnosis: Parkinson's Disease (PD) or parkinsonism
- Have not had a hip fracture

The University of Colorado Alzheimer's and Cognition Center is part of the School of Medicine, Department of Neurology. Their mission is to discover effective early diagnostics, preventions, treatments, and ultimately cures for Alzheimer's disease and related dementias, through research and clinical care. They believe there is as much to learn from individuals who are healthy as they do from individuals with Alzheimer's disease.

	Key Eligibility Requirements
<b><i>Alzheimer's Disease (AD)</i></b>	
<b>Conversational Speech Analysis (CSA) (18-0456)</b> <i>Investigator:</i> <a href="#">Peter Pressman, MD</a> <i>Purpose:</i> to learn more about how speech changes over time in adult populations, understand how those changes reflect changes in cognition, and develop new ways of detecting MCI and dementia using everyday speech. <i>Timeline:</i> two study visits, one year apart. <i>Study flyer:</i> <a href="https://medschool.cuanschutz.edu/docs/librariesprovider163/default-document-library/csa-flyer-no-tabs-11may2021-approved.pdf">https://medschool.cuanschutz.edu/docs/librariesprovider163/default-document-library/csa-flyer-no-tabs-11may2021-approved.pdf</a>	<ul style="list-style-type: none"> <li>Age: 40-95 years old</li> <li>Diagnosis: Mild cognitive impairment (MCI) or dementia</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>Have <u>NOT</u> been diagnosed with a memory disorder</li> </ul>
<b>ENVISION (22-0776)</b> <i>Investigator:</i> <a href="#">Victoria Pelak, MD</a> <i>Purpose:</i> to look at whether aducanumab (ADUHELM™, also known as BIIB037, the study drug) can help slow the development of AD symptoms in people with early AD. <i>Intervention:</i> BIIB037 (66% chance) or placebo (33% chance). <i>Timeline:</i> up to 39 in-person study visits over 130 weeks. <i>Clinicaltrials.gov:</i> <a href="https://clinicaltrials.gov/ct2/show/study/NCT05310071">NCT05310071</a>	<ul style="list-style-type: none"> <li>Age: 60-85 years old</li> <li>Diagnosis: mild Alzheimer's disease (AD) or mild cognitive impairment (MCI)</li> <li>Have a reliable support person or caregiver willing to participate</li> </ul>
<b>Facial Expressions Study (17-0599)</b> <i>Investigator:</i> <a href="#">Peter Pressman, MD</a> <i>Purpose:</i> to understand how the brain makes different facial expressions using high speed videography, learn more about how neurological disorders may impact a person's facial movements and expressions, and develop the groundwork for a diagnostic tool that would detect differences between a person's facial movements/expressions and their emotions. <i>Timeline:</i> one study visit that will last approximately one hour. <i>CUACC Website:</i> <a href="https://medschool.cuanschutz.edu/alzheimer/get-involved/open-studies/facial-movements-study">https://medschool.cuanschutz.edu/alzheimer/get-involved/open-studies/facial-movements-study</a>	<ul style="list-style-type: none"> <li>Age: 18-75 years old</li> <li>Diagnosis: Mild Cognitive Impairment (MCI) or dementia or have <u>NOT</u> been diagnosed with a memory disorder</li> <li>Are right handed</li> </ul>

	<b>Key Eligibility Requirements</b>
<b><i>Alzheimer's Disease (AD) (continued)</i></b>	
<p><b>SESAD (19-2727)</b></p> <p><i>Investigator:</i> <a href="#">Peter Pressman, MD</a></p> <p><i>Purpose:</i> this research study hopes to find out more about how sargramostim works within the body over a longer time period than previously studied.</p> <p><i>Intervention:</i> if determined to be eligible during screening, you will be assigned to one of two arms of the study: 1) receives study medication; 2) receives placebo (a pill or a liquid that looks like medicine but is not real).</p> <p><i>Timeline:</i> including screening and follow-up, study participation last up to 9-1/2 months with up to 55 visits.</p> <ul style="list-style-type: none"> <li>• Screening period will last up to 8 weeks</li> <li>• Treatment period will last 24 weeks</li> <li>• Follow-up visit occurs 45 days after end of treatment</li> </ul> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04902703</a></p>	<ul style="list-style-type: none"> <li>• Age: between 60-80 years old</li> <li>• Diagnosis: mild-to-moderate Alzheimer's disease (AD)</li> <li>• Be willing and able to have a lumbar puncture (spinal tap) and twice weekly blood draws</li> <li>• Not have a first degree relative diagnosed with AD before 55 years of age</li> <li>• Be willing and able to have an MRI</li> <li>• Have a study partner willing to give daily injections after training</li> </ul>
<b><i>Frontotemporal Dementia</i></b>	
<p><b>ALLFTD (21-2833)</b></p> <p><i>Investigator:</i> <a href="#">Peter Pressman, MD</a></p> <p><i>Purpose:</i> the ARTFL LEFFTDS Longitudinal Frontotemporal Dementia (ALLFTD) study aims to evaluate sporadic (s-) and familial (f-) frontotemporal lobar degeneration (FTLD) patients and asymptomatic family members of f-FTLD patients, characterizing the cohorts longitudinally and informing clinical trial design (Biofluid-Focused and Longitudinal arms available).</p> <p><i>ALLFTD Biofluid Timeline:</i> one-time visit with questionnaires, neurological exam, blood drawn, and optional lumbar puncture.</p> <p><i>ALLFTD Longitudinal Timeline:</i> annual visit to the clinic, each lasting 2-3 days, with questionnaires, thinking and memory questions, neurological exam, blood drawn, and an MRI.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04363684</a></p>	<p><b>ALLFTD Biofluid Study:</b></p> <ul style="list-style-type: none"> <li>• Diagnosis: FTLD syndrome like bvFTD, bvFTD with ALS, PPA, PSP, or CBD</li> <li>• Age: 18+ years old</li> </ul> <p><b>ALLFTD Longitudinal Study:</b></p> <ul style="list-style-type: none"> <li>• Diagnosis: FTLD syndrome like bvFTD, bvFTD with ALS, PPA, PSP, or CBD</li> <li>• Age: 18+ years old</li> <li><b>OR</b></li> <li>• Are from a family with a mutation in a gene known to cause FTLD (such as C9orf72, MAPT, and GRN)</li> <li>• Age: 18+ years old</li> <li><b>OR</b></li> <li>• Have a significant family history of FTLD suggesting a familial genetic mutation</li> <li>• Age: 18+ years old</li> </ul>

	Key Eligibility Requirements
<b>Frontotemporal Dementia (continued)</b>	
<p><b>Conversational Speech Analysis (CSA) (18-0456)</b></p> <p><i>Investigator:</i> <a href="#">Peter Pressman, MD</a></p> <p><i>Purpose:</i> to learn more about how speech changes over time in adult populations, understand how those changes reflect changes in cognition, and develop new ways of detecting MCI and dementia using everyday speech.</p> <p><i>Timeline:</i> two study visits, one year apart.</p> <p><i>Study flyer:</i> <a href="https://medschool.cuanschutz.edu/docs/librariesprovider163/default-document-library/csa-flyer-no-tabs-11may2021-approved.pdf">https://medschool.cuanschutz.edu/docs/librariesprovider163/default-document-library/csa-flyer-no-tabs-11may2021-approved.pdf</a></p>	<ul style="list-style-type: none"> <li>Age: 40-95 years old</li> <li>Diagnosis: Mild cognitive impairment (MCI) or dementia</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>Have <u>NOT</u> been diagnosed with a memory disorder</li> </ul>
<p><b>Facial Expressions Study (17-0599)</b></p> <p><i>Investigator:</i> <a href="#">Peter Pressman, MD</a></p> <p><i>Purpose:</i> to understand how the brain makes different facial expressions using high speed videography, learn more about how neurological disorders may impact a person's facial movements and expressions, and develop the groundwork for a diagnostic tool that would detect differences between a person's facial movements/expressions and their emotions.</p> <p><i>Timeline:</i> one study visit that will last approximately one hour.</p>	<ul style="list-style-type: none"> <li>Age: 18-75 years old</li> <li>Diagnosis: Mild Cognitive Impairment (MCI) or dementia or have <u>NOT</u> been diagnosed with a memory disorder</li> <li>Are right handed</li> </ul>
<b>Lewy Body Dementia (LBD)</b>	
<p><b>Facial Expressions Study (17-0599)</b></p> <p><i>Investigator:</i> <a href="#">Peter Pressman, MD</a></p> <p><i>Purpose:</i> to understand how the brain makes different facial expressions using high speed videography, learn more about how neurological disorders may impact a person's facial movements and expressions, and develop the groundwork for a diagnostic tool that would detect differences between a person's facial movements/expressions and their emotions.</p> <p><i>Timeline:</i> one study visit that will last approximately one hour.</p> <p><i>CUACC Website:</i> <a href="https://medschool.cuanschutz.edu/alzheimer/get-involved/open-studies/facial-movements-study">https://medschool.cuanschutz.edu/alzheimer/get-involved/open-studies/facial-movements-study</a></p>	<ul style="list-style-type: none"> <li>Age: 18-75 years old</li> <li>Diagnosis: Mild Cognitive Impairment (MCI) or dementia or have <u>NOT</u> been diagnosed with a memory disorder</li> <li>Are right handed</li> </ul>

	Key Eligibility Requirements
<b><i>Lewy Body Dementia (LBD) (continued)</i></b>	
<p><b>SHIMMER (22-0669)</b></p> <p><i>Investigator:</i> <a href="#">Samantha Holden, MD</a></p> <p><i>Purpose:</i> to learn about the safety of CT1812 and how well your body tolerates a once-a-day dose of CT1812. The study will also test how well CT1812 will treat mild to moderate dementia with Lewy Bodies (DLB).</p> <p><i>Intervention:</i> low dose of CT1812 (33% chance), high dose of CT1812 (33% chance) or placebo (33% chance).</p> <p><i>Timeline:</i> 12 in-person study visits over 210 days.</p> <p><i>Clinicaltrials.gov:</i> <a href="#">NCT05225415</a></p>	<ul style="list-style-type: none"> <li>• Age: 50-85 years old</li> <li>• Diagnosis: dementia with Lewy Bodies</li> <li>• Have a reliable support person or caregiver willing to participate</li> <li>• Willingness to undergo 2 lumbar punctures</li> </ul>
<b><i>Mild Cognitive Impairment (MCI)</i></b>	
<p><b>Conversational Speech Analysis (CSA) (18-0456)</b></p> <p><i>Investigator:</i> <a href="#">Peter Pressman, MD</a></p> <p><i>Purpose:</i> to learn more about how speech changes over time in adult populations, understand how those changes reflect changes in cognition, and develop new ways of detecting MCI and dementia using everyday speech.</p> <p><i>Timeline:</i> two study visits, one year apart.</p> <p><i>Study flyer:</i> <a href="https://medschool.cuanschutz.edu/docs/librariesprovider163/default-document-library/csa-flyer-no-tabs-11may2021-approved.pdf">https://medschool.cuanschutz.edu/docs/librariesprovider163/default-document-library/csa-flyer-no-tabs-11may2021-approved.pdf</a></p>	<ul style="list-style-type: none"> <li>• Age: 40-95 years old</li> <li>• Diagnosis: Mild cognitive impairment (MCI) or dementia</li> </ul> <p style="text-align: center;"><i>OR</i></p> <ul style="list-style-type: none"> <li>• Have <u>NOT</u> been diagnosed with a memory disorder</li> </ul>
<p><b>ENVISION (22-0776)</b></p> <p><i>Investigator:</i> <a href="#">Victoria Pelak, MD</a></p> <p><i>Purpose:</i> to look at whether aducanumab (ADUHELM™, also known as BIIB037, the study drug) can help slow the development of AD symptoms in people with early AD.</p> <p><i>Intervention:</i> BIIB037 (66% chance) or placebo (33% chance).</p> <p><i>Timeline:</i> up to 39 in-person study visits over 130 weeks.</p> <p><i>Clinicaltrials.gov:</i> <a href="#">NCT05310071</a></p>	<ul style="list-style-type: none"> <li>• Age: 60-85 years old</li> <li>• Diagnosis: mild Alzheimer's disease (AD) or mild cognitive impairment (MCI)</li> <li>• Have a reliable support person or caregiver willing to participate</li> </ul>

	Key Eligibility Requirements
Mild Cognitive Impairment (MCI) (continued)	
<p><b>Facial Expressions Study (17-0599)</b></p> <p><i>Investigator:</i> <a href="#">Peter Pressman, MD</a></p> <p><i>Purpose:</i> to understand how the brain makes different facial expressions using high speed videography, learn more about how neurological disorders may impact a person’s facial movements and expressions, and develop the groundwork for a diagnostic tool that would detect differences between a person’s facial movements/ expressions and their emotions.</p> <p><i>Timeline:</i> one study visit that will last approximately one hour.</p> <p><i>CUACC Website:</i> <a href="https://medschool.cuanschutz.edu/alzheimer/get-involved/open-studies/facial-movements-study">https://medschool.cuanschutz.edu/alzheimer/get-involved/open-studies/facial-movements-study</a></p>	<ul style="list-style-type: none"><li>• Age: 18-75 years old</li><li>• Diagnosis: Mild Cognitive Impairment (MCI) or dementia or have <u>NOT</u> been diagnosed with a memory disorder</li><li>• Are right handed</li></ul>



The Rocky Mountain MS Center at the University of Colorado's cutting-edge research program — one of the largest in the world — conducts basic science, clinical trials and translational research to find effective MS treatments. The results from this work are driving our medical care approach to maximize lifelong brain health through comprehensive care, which supports the brain's ability to protect and repair itself and promotes quality of life for patients and their families. Our physicians and scientists play a critical role in the development of current and emerging MS therapies, as well as studies to determine the biological basis of the disease.

	Key Eligibility Requirements
<b><i>Autoimmune Encephalitis</i></b>	
<p><b>CIELO (22-0449)</b></p> <p><i>Investigator:</i> <a href="#">Amanda Piquet, MD</a></p> <p><i>Purpose:</i> to evaluate the efficacy, safety, pharmacokinetics, and pharmacodynamics of an investigational drug in patients with anti N-methyl-D-aspartic acid receptor (NMDAR) or anti leucine-rich glioma-inactivated 1 (LGI1) encephalitis.</p> <p><i>Intervention:</i> Investigational drug (50% chance) vs. placebo (50% chance)</p> <p><i>Timeline:</i> screening period</p> <ul style="list-style-type: none"> <li>Part 1: primary interventional period of 52 weeks</li> <li>Part 2: an optional extension period lasting ~2 years <ul style="list-style-type: none"> <li>Option 1: continue on randomized, double-blind investigational drug or placebo</li> <li>Option 2: start open-label investigational drug</li> <li>Option 3: stop investigational drug or placebo and continue follow-up assessments within Part 2</li> </ul> </li> </ul> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05503264</a></p>	<ul style="list-style-type: none"> <li>Onset of autoimmune encephalitis symptoms less than or equal to 9 months before randomization</li> <li>Reasonable exclusion of tumor or malignancy</li> <li>NMDAR Cohort: <ul style="list-style-type: none"> <li>Age: 12 and older</li> <li>Diagnosis of probable or definite NMDAR encephalitis</li> </ul> </li> <li>LGI1 Cohort: <ul style="list-style-type: none"> <li>Age: 18 and older</li> <li>Diagnosis of LGI1 encephalitis</li> </ul> </li> </ul>
<b><i>Clinically Isolated Syndrome (CIS)</i></b>	
<p><b>CogMS (23-0547)</b></p> <p><i>Investigator:</i> <a href="#">Dr. Anna Shah</a></p> <p><i>Purpose:</i> to determine the relationship between subjective and objective cognitive impairment in pwMS by comparing subjective assessments with objective testing.</p> <p><i>Timeline:</i> one-time questionnaire on smartphone device lasting about 30 minutes. To be completed outside of hospital or clinic setting.</p>	<ul style="list-style-type: none"> <li>Age: 18-65</li> <li>MS diagnosis (CIS, RRMS)</li> <li>Absence of hand function restricting use of smartphone.</li> <li>No other major neurological or psychiatric disorders.</li> <li>No history of cognitive rehabilitation treatment.</li> </ul>

	Key Eligibility Requirements
<b><i>First-degree Relatives of People with Multiple Sclerosis (MS)</i></b>	
<b>DREAMS (19-0393)</b> <i>Investigator:</i> <a href="#">Teri Schreiner, MD, MPH</a> <i>Purpose:</i> to learn more about the risk factors for and causes of MS by studying children who are first degree relatives of people with MS. <i>Timeline:</i> a single 3-4 hour study visit (includes MRI and blood draw).	<ul style="list-style-type: none"> <li>• Age: 10-17 years old</li> <li>• Have parent or sibling with MS</li> <li>• No diagnosis of MS or early symptoms of MS</li> </ul>
<b>RISE-MS (17-1884)</b> <i>Investigator:</i> <a href="#">Enrique Alvarez, MD, PhD</a> and <a href="#">John Corboy, MD</a> <i>Purpose:</i> to learn more about the risk factors for and causes of MS by studying first degree relatives of people with MS. <i>Timeline:</i> a single 2-3 hour study visit (includes MRI and blood draw) <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT03586986</a>	<ul style="list-style-type: none"> <li>• Age: 18-30 years old</li> <li>• Have a parent, sibling or child with MS</li> <li>• No diagnosis of MS or early symptoms of MS</li> </ul>
<b><i>Pregnancy</i></b>	
<b>MINORE (22-0386)</b> <i>Investigator:</i> <a href="#">Dr. Anna Shah</a> <i>Purpose:</i> to understand the potential effect of ocrelizumab on babies born to women with MS or CIS who received the drug up to six months before they became pregnant, or in the first three months (the first trimester) of their pregnancy. <i>Timeline:</i> up to 7 visits (2 for the baby & 5 for the mother) between week 24 of your pregnancy and until your baby reaches 13 months of age. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04998812</a>	<ul style="list-style-type: none"> <li>• Age: 18-40 years old</li> <li>• Diagnosis: MS or clinically isolated syndrome (CIS)</li> <li>• Currently pregnant at 24-30 gestational weeks</li> <li>• Last exposure to ocrelizumab up to 6 months before last menstrual period</li> </ul>
<b>SOPRANINO (22-0387)</b> <i>Investigator:</i> <a href="#">Dr. Anna Shah</a> <i>Purpose:</i> to understand whether ocrelizumab is transferred to the breast milk of women MS or CIS who are being treated with ocrelizumab, and if it is, what effect this has on babies who are breastfed. <i>Timeline:</i> up to 5 study visits (3 for the mother & 2 for the baby) over approximately 16 months. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04998851</a>	<ul style="list-style-type: none"> <li>• Age: 18-40 years old</li> <li>• Diagnosis: MS or clinically isolated syndrome (CIS)</li> <li>• Woman with infant between 2-24 weeks old</li> <li>• Planning to receive ocrelizumab infusion within 24 weeks of birth</li> <li>• Currently breastfeeding or planning to breastfeed</li> </ul>

	Key Eligibility Requirements
<b>Primary Progressive Multiple Sclerosis (PPMS)</b>	
<p><b>CALLIPER (22-1607)</b></p> <p><i>Investigator:</i> <a href="#">Enrique Alvarez, MD, PhD</a></p> <p><i>Purpose:</i> to assess the effects of IMU-838 on your disease activity using magnetic resonance images (pictures of your brain made with magnets and radio waves, MRI) and to assess the safety of IMU-838.</p> <p><i>Treatment:</i> IMU-838 (50% chance) or placebo (50% chance).</p> <p><i>Timeline:</i> Screening Period (up to 28 days), Main Study Treatment Period (approximately 72-120 weeks) and a Open Label Extension Period (up to approximately 8 years). The total study participation will therefore last for up to approximately 10 years.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05054140</a></p>	<ul style="list-style-type: none"> <li>• Age: 18-65 (inclusive)</li> <li>• Diagnosis: Primary-Progressive Multiple Sclerosis (PPMS) or Secondary-Progressive Multiple Sclerosis (SPMS)</li> <li>• No evidence of relapse in the last 24 months before randomization</li> </ul>
<b>Relapsing and Secondary Progressive Multiple Sclerosis (RSPMS)</b>	
<p><b>Anokion (20-1569)</b></p> <p><i>Investigator:</i> <a href="#">Amanda Piquet, PhD, MD</a></p> <p><i>Purpose:</i> to assess the safety of escalating doses of ANK-700 in patients who have RRMS.</p> <p><i>Intervention:</i> you will only be able to take part in either Part A or Part B, but not in both.</p> <ul style="list-style-type: none"> <li>• Part A: single dose of ANK-700</li> <li>• Part B: three doses of either ANK-700 (66% chance) or placebo (33% chance)</li> </ul> <p><i>Timeline:</i> Part A: 7 in-person visits over 7 months or Part B: 9 in-person visits over 13 months.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04602390</a></p>	<ul style="list-style-type: none"> <li>• Age: 18-60</li> <li>• Diagnosis: RRMS</li> <li>• Either not currently receiving disease modifying MS therapy or currently using fumarate drugs</li> </ul>
<p><b>BEAT-MS (19-1621)</b></p> <p><i>Investigator:</i> <a href="#">John Corboy, MD</a></p> <p><i>Purpose:</i> to compare efficacy and safety of autologous hematopoietic stem cell transplantation (AHSCT) to best available therapy (BAT) in treatment resistant relapsing MS.</p> <p><i>Intervention:</i> best available therapy (50% chance) or AHSCT cell transplant (50% chance)</p> <p><i>Timeline:</i> up to 17 study visits over 6 years (not including stem cell transplantation procedures, if randomized to AHSCT group).</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04047628</a></p>	<ul style="list-style-type: none"> <li>• Age: 18-55 years old</li> <li>• Diagnosis: highly active, treatment resistant MS</li> <li>• 2 clinically confirmed episodes of treatment failure in the past 36 months</li> <li>• Insurance or public funding available to cover the cost of an MS DMT</li> </ul>

	Key Eligibility Requirements
<b>Relapsing and Secondary Progressive Multiple Sclerosis (RSPMS) (continued)</b>	
<b>CALLIPER (22-1607)</b> <i>Investigator:</i> <a href="#">Enrique Alvarez, MD, PhD</a> <i>Purpose:</i> to assess the effects of IMU-838 on your disease activity using magnetic resonance images (pictures of your brain made with magnets and radio waves, MRI) and to assess the safety of IMU-838. <i>Treatment:</i> IMU-838 (50% chance) or placebo (50% chance). <i>Timeline:</i> Screening Period (up to 28 days), Main Study Treatment Period (approximately 72-120 weeks) and a Open Label Extension Period (up to approximately 8 years). The total study participation will therefore last for up to approximately 10 years. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05054140</a>	<ul style="list-style-type: none"> <li>• Age: 18-65 (inclusive)</li> <li>• Diagnosis: Primary-Progressive Multiple Sclerosis (PPMS) or Secondary-Progressive Multiple Sclerosis (SPMS)</li> <li>• No evidence of relapse in the last 24 months before randomization</li> </ul>
<b>CogMS (23-0547)</b> <i>Investigator:</i> <a href="#">Dr. Anna Shah</a> <i>Purpose:</i> to determine the relationship between subjective and objective cognitive impairment in pwMS by comparing subjective assessments with objective testing. <i>Timeline:</i> one-time questionnaire on smartphone device lasting about 30 minutes. To be completed outside of hospital or clinic setting.	<ul style="list-style-type: none"> <li>• Age: 18-65</li> <li>• MS diagnosis (CIS, RRMS)</li> <li>• Absence of hand function restricting use of smartphone.</li> <li>• No other major neurological or psychiatric disorders.</li> <li>• No history of cognitive rehabilitation treatment.</li> </ul>
<b>De-Escalation Study (21-4993)</b> <i>Investigator:</i> <a href="#">Enrique Alvarez, MD, PhD</a> <i>Purpose:</i> to learn more about how "de-escalation" therapy affects outcomes in patients with relapsing forms of multiple sclerosis (MS). "De-escalation" means switching from an anti-CD20 treatment to Vumerity or Tecfidera. <i>Timeline:</i> 6 in-person visits over 24 months.	<ul style="list-style-type: none"> <li>• Age: 18+ years old</li> <li>• Diagnosis: relapsing MS</li> <li>• Taking an anti-CD20 (Ocrevus, Rituxan) for at least 1 year</li> <li>• Planning to initiate Vumerity or Tecfidera treatment</li> </ul>

	Key Eligibility Requirements
<b>Relapsing and Secondary Progressive Multiple Sclerosis (RSPMS) (continued)</b>	
<b>DELIVER-MS (18-1633)</b> <i>Investigator:</i> <a href="#">Enrique Alvarez, MD, PhD</a> <i>Purpose:</i> to learn whether there is a difference between two common treatment approaches for people who have recently been diagnosed with relapsing remitting MS: escalation approach (start out by using a lower-risk, moderately effective medication) vs early highly effective treatment approach (start out with one of the stronger, but potentially more risky, medications). <i>Timeline:</i> 13 study visits over 3 years. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT03535298</a>	<ul style="list-style-type: none"> <li>• Age: 18-60 years old</li> <li>• Recently diagnosed with MS</li> <li>• Not currently taking any MS medication (but plan to start one soon)</li> </ul>
<b>FENhance (20-2036)</b> <i>Investigator:</i> <a href="#">Enrique Alvarez, MD, PhD</a> <i>Purpose:</i> the purpose of this study is to compare the effects, good or bad, of fenebrutinib versus teriflunomide (Aubagio) on subjects with relapsing MS. <i>Intervention:</i> Fenebrutinib (50% chance) or Aubagio (50% chance). <i>Timeline:</i> 14 visits over 96 weeks. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04586023</a>	<ul style="list-style-type: none"> <li>• Age: 18-55 years old</li> <li>• Diagnosis: relapsing MS or active secondary progressive MS</li> <li>• Recent disease activity (new lesion or relapse in past year)</li> </ul>
<b>REMODEL 2 (21-4825)</b> <i>Investigator:</i> <a href="#">Enrique Alvarez, PhD, MD</a> <i>Purpose:</i> to provide efficacy, safety and tolerability data for an investigational drug to support regulatory approval worldwide as a treatment for RMS. <i>Intervention:</i> Investigational drug and placebo (50% chance) -or- an approved drug and placebo (50% chance). <i>Timeline:</i> 15 in-person visits for up to 2.5 years followed by an Open Label Extension (OLE) which involves 13 in-person visits for up to 5 years. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05156281</a>	<ul style="list-style-type: none"> <li>• Age: 18-55</li> <li>• Diagnosis: RRMS</li> <li>• 1 documented relapse in previous year OR 2 documented relapses in previous 2 years OR 1 active Gd-enhancing lesion in past year</li> <li>• Neurologically stable within 1 month</li> </ul>

The Neuromuscular Division provides care for a large and diverse group of rare diseases including Amyotrophic Lateral Sclerosis (ALS), Muscular Dystrophies, Myasthenia Gravis, inherited neuropathies, and many others. We are a quaternary care center meaning we handle the highest level of complexity in medical care, and we are a Muscular Dystrophy Association Care Center providing weekly multi-disciplinary care clinics. The goal of the Neuromuscular Clinical Research Program is to help patients with neuromuscular diseases in the Rocky Mountain Region gain access to cutting-edge therapies.

	<b>Key Eligibility Requirements</b>
<p><b><i>Amyotrophic Lateral Sclerosis (ALS)</i></b></p> <p><b>HEALEY ALS Platform Trial (19-2645)</b></p> <p><i>Investigator:</i> <a href="#">Laura Foster, MD</a></p> <p><i>Purpose:</i> to test the safety and effectiveness of multiple treatments in ALS. A regimen is a specific course of treatment, each with a different study drug.</p> <p><i>Intervention:</i> multiple different regimens may be active within the platform trial at the same time. You can find more information about the currently enrolling regimens <a href="#">here</a>.</p> <p><i>Timeline:</i> 6-8 study visits over 30 weeks.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04297683</a></p>	<ul style="list-style-type: none"> <li>• Diagnosis: ALS</li> <li>• Onset of ALS symptoms less than 36 months ago</li> <li>• Able to swallow pills</li> </ul>
<p><b><i>Becker Muscular Dystrophy</i></b></p> <p><b>CANYON (22-0354)</b></p> <p><i>Investigator:</i> <a href="#">Matthew Wicklund, MD</a></p> <p><i>Purpose:</i> to learn about the safety, and effectiveness of EDG-5506 when compared to placebo in individuals diagnosed with Becker muscular dystrophy.</p> <p><i>Intervention:</i> EDG-5506 (at least 66% chance) or placebo (no greater than 33% chance).</p> <p><i>Timeline:</i> 10 in-person study visits over 14 months.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05291091</a></p>	<ul style="list-style-type: none"> <li>• Age: 12-50 years old</li> <li>• Diagnosis: Becker muscular dystrophy</li> <li>• Gender: male at birth</li> <li>• Able to walk 100m without assistance</li> </ul>
<p><b>GRASP BMD (22-1278)</b></p> <p><i>Investigator:</i> <a href="#">Stacy Dixon, MD, PhD</a></p> <p><i>Purpose:</i> to learn more about Becker Muscular Dystrophy by measuring how your muscles change over time. This information will help plan future studies and drug development for people with BMD.</p> <p><i>Timeline:</i> 5 in-person study visits over 24 months.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05257473</a></p>	<ul style="list-style-type: none"> <li>• Age: 8+ years old</li> <li>• Diagnosis: Becker Muscular Dystrophy</li> </ul>



	Key Eligibility Requirements
<p><b>Charcot Marie Tooth Disease (CMT)</b></p> <p><b>Genetics of CMT (20-1525)</b></p> <p><i>Investigator:</i> <a href="#">Vera Fridman, MD</a></p> <p><i>Purpose:</i> to look for new genes that cause Charcot Marie Tooth disease (CMT) and to look for genes that don't cause CMT, but may modify the symptoms a person has.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT01193088</a></p>	<ul style="list-style-type: none"> <li>• Diagnosis: CMT <i>or</i> have a relative with CMT</li> </ul>
<p><b>Natural History of CMT (18-2537)</b></p> <p><i>Investigator:</i> <a href="#">Vera Fridman, MD</a></p> <p><i>Purpose:</i> observational, longitudinal study to determine natural history and genotype-phenotype correlations of disease causing mutations in Charcot Marie Tooth disease (CMT).</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT01193075</a></p>	<ul style="list-style-type: none"> <li>• Diagnosis: CMT <i>or</i> have a relative with CMT</li> </ul>
<p><b>Diabetic Neuropathy (DN)</b></p> <p><b>DN (19-3004)</b></p> <p><i>Study Title:</i> Participants Needed for Research Study About Diabetes and Neuropathy.</p> <p><i>Investigator:</i> <a href="#">Vera Fridman, MD</a></p> <p><i>Purpose:</i> to learn more about the underlying causes of diabetic neuropathy by looking for the presence of abnormal molecules in the blood and skin and comparing them in people with and without Type 2 Diabetes.</p> <p><i>Procedures:</i> blood draw, skin biopsy, neurological and physical exam, autonomic nervous system testing, nerve conduction study, questionnaires and balance, coordination, and agility tests.</p> <p><i>Timeline:</i> 2 study visits which will occur within 30 days of each other.</p>	<ul style="list-style-type: none"> <li>• Age: 45-65 years old</li> <li>• Diagnosis: Type 2 Diabetes (T2D)</li> </ul>

	Key Eligibility Requirements
<p><b><i>Facioscapulohumeral Muscular Dystrophy (FSHD)</i></b></p> <p><b>FORTITUDE (22-2179)</b></p> <p><i>Investigator:</i> <a href="#">Dianna Quan, MD</a></p> <p><i>Purpose:</i> to determine whether an investigational drug is safe and effective (works well) for the treatment of Facioscapulohumeral Muscular Dystrophy (FSHD).</p> <p><i>Intervention:</i> investigational drug or placebo (chance of receiving investigational drug will vary between Parts).</p> <p><i>Timeline:</i></p> <ul style="list-style-type: none"> <li>• Screening period (up to 6 weeks)</li> <li>• Baseline visit(s) (up to 21 days before starting treatment period)</li> <li>• Treatment period (39 weeks). This study has 3 parts, Part A, Part B, and Part C. The different parts of the study will test increasing dose levels of AOC 1020 to see how safe it is, how well the body handles taking it (tolerability), what the body does to the study drug (pharmacokinetics), and what the study drug does to the body (pharmacodynamics). The part each participant is assigned to will depend on when they join the study</li> <li>• Post-treatment Follow-up period (13 weeks)</li> </ul> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05747924</a></p>	<ul style="list-style-type: none"> <li>• Age: 18 to 65 years old (inclusive) at time of informed consent</li> <li>• Diagnosis: Facioscapulohumeral Muscular Dystrophy (FSHD) confirmed by documented genetic diagnosis</li> <li>• Ambulatory and able to walk 10 meters (with or without assistive devices such as one cane, walking stick or braces)</li> </ul>
<p><b>MOVE FSHD (20-0405)</b></p> <p><i>Investigator:</i> <a href="#">Matthew Wicklund, MD</a></p> <p><i>Purpose:</i> to collect motor and functional outcomes specific to facioscapulohumeral muscular dystrophy (FSHD) over time to ensure the best level of clinical care and to speed up drug development by gaining a better understanding of how having FSHD impacts motor function and other health outcomes.</p> <p><i>Timeline:</i> 1 study visit per year for 3 years.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04635891</a></p>	<ul style="list-style-type: none"> <li>• Diagnosis: FSHD Type 1 or 2, genetically confirmed or family history and functionally affected</li> </ul>
<p><b>REACH (22-1143)</b></p> <p><i>Investigator:</i> <a href="#">Matthew Wicklund, MD</a></p> <p><i>Purpose:</i> to evaluate whether losmapimod may slow down the progression of the disease in individuals with FSHD1 and FSHD2.</p> <p><i>Intervention:</i> losmapimod (50% chance) or placebo (50% chance).</p> <p><i>Timeline:</i> 8 in-person study visits over 53 weeks.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05397470</a></p>	<ul style="list-style-type: none"> <li>• Age: 18-65 years old</li> <li>• Diagnosis: FSHD1 or FSHD2 verified by genetic testing</li> <li>• Not dependent upon wheelchair or walker</li> </ul>

	Key Eligibility Requirements
<b><i>Facioscapulohumeral Muscular Dystrophy (FSHD) (continued)</i></b>	
<p><b>ROCHE (22-1495)</b></p> <p><i>Investigator:</i> <a href="#">Stacy Dixon, MD, PhD</a></p> <p><i>Purpose:</i> is to compare the effects, good or bad, of RO7204239 versus placebo on patients with FSHD.</p> <p><i>Intervention:</i> RO7204239 (50% chance) or placebo (50% chance) for first 52 weeks, everyone will receive RO7204239 for final 52 weeks.</p> <p><i>Timeline:</i> approximately 26 in-person visits over 52 weeks.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05548556</a></p>	<ul style="list-style-type: none"> <li>• Age: 18-65 years old</li> <li>• Diagnosis: FSHD1 or FSHD2</li> <li>• Able to walk unassisted</li> </ul>
<b><i>Inclusion Body Myositis (IBM)</i></b>	
<p><b>INSPIRE IBM (21-3383)</b></p> <p><i>Investigator:</i> <a href="#">Matthew Wicklund, MD</a></p> <p><i>Purpose:</i> to follow and assess people with diagnosed sporadic inclusion body myositis over time to further understand and characterize the disease with the intent to improve future clinical trials. We are also trying to see if there are specific biomarkers that can help predict disease severity.</p> <p><i>Timeline:</i> 5-hour visit every 6 months for approximately 2 years.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05046821</a></p>	<ul style="list-style-type: none"> <li>• Age: 40+ years old</li> <li>• Diagnosis: Sporadic Inclusion Body Myositis (sIBM)</li> <li>• Disease onset is within the past 10 years of the time of Baseline visit</li> </ul>
<b><i>Limb Girdle Muscular Dystrophy (LGMD)</i></b>	
<p><b>LGMD GRASP (19-0506)</b></p> <p><i>Investigator:</i> <a href="#">Stacy Dixon, MD, PhD</a></p> <p><i>Purpose:</i> to learn more about limb girdle muscular dystrophy (LGMD) by measuring how your muscles change over time.</p> <p><i>Timeline:</i> 4-5 study visits over 12 months.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT03981289</a></p>	<ul style="list-style-type: none"> <li>• Age: 4-65 years old</li> <li>• Diagnosis: clinically affected LGMD (weakness in limb girdle pattern or in distal extremity)</li> </ul>

	Key Eligibility Requirements
<p><b><i>Myasthenia Gravis (MG)</i></b></p>	
<p><b>Cartesian (21-5117)</b></p> <p><i>Investigator:</i> <a href="#">Thomas Ragole, MD</a></p> <p><i>Purpose:</i> to evaluate the safety of an investigational cell-based therapy called Descartes-08. The study will also explore whether Descartes-08 provides any treatment benefit in patients with Myasthenia Gravis.</p> <p><i>Intervention:</i> Descartes-08, a T-cell therapy.</p> <p><i>Timeline:</i> between 10-14 in-person study visits over 6-12 months (dependent upon which study group you are enrolled in).</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04146051</a></p>	<ul style="list-style-type: none"> <li>• Age: 18+ years old</li> <li>• Diagnosis: generalized myasthenia gravis (GMG)</li> </ul>
<p><b>Expand (22-1813)</b></p> <p><i>Investigator:</i> <a href="#">Thomas Ragole, MD</a></p> <p><i>Purpose:</i> to determine the effect of ALXN2050 on your activities of daily living and your Myasthenia Gravis (MG) symptoms.</p> <p><i>Intervention:</i> all patients will receive ALXN2050 after the first 8 weeks.</p> <p><i>Timeline:</i> Screening Period (up to 4 weeks), Primary Evaluation Period (8 weeks), Extended Study Treatment Period (26 weeks), and an optional Open-Label Extension (OLE) period (up to 1.5 years). Total study duration: up to 125 weeks.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05218096</a></p>	<ul style="list-style-type: none"> <li>• Age: 18 or older</li> <li>• Diagnosis: Myasthenia Gravis (MG) at least 3 months (90 days) prior to the date of the Screening Visit.</li> <li>• Vaccinated against meningococcal infection (Neisseria meningitidis) within 3 years prior to, or at the time of, randomization (Day 1).</li> </ul>
<p><b>MINT (20-1787)</b></p> <p><i>Investigator:</i> <a href="#">Dianna Quan, MD</a></p> <p><i>Purpose:</i> to determine whether the investigational drug inebilizumab is safe and effective in reducing the symptoms of myasthenia gravis.</p> <p><i>Intervention:</i> inebilizumab (50% chance) or placebo (50% chance).</p> <p><i>Timeline:</i> up to 12 visits over up to 13 months (depends on what type of MG you have), open label extension available.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04524273</a></p>	<ul style="list-style-type: none"> <li>• Age: 18+ years old</li> <li>• Diagnosis: AChR or MuSK myasthenia gravis</li> <li>• Currently taking (1) corticosteroids, (2) non-steroidal IST or a combination of the 2</li> </ul>

	Key Eligibility Requirements
<b><i>Myotonic Dystrophy Type 1 (DM1)</i></b>	
<b>END-DM1 (21-4907)</b> <i>Investigator:</i> <a href="#">Thomas Ragole, MD</a> <i>Purpose:</i> to determine the best ways to assess how people are affected by DM1. The study will examine the effects of DM1 on your muscles, heart, blood, and nervous system. <i>Timeline:</i> up to 4 in person study visits over 2 years. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT03981575</a>	<ul style="list-style-type: none"> <li>• Age: 18-70 years old</li> <li>• Diagnosis: type 1 myotonic dystrophy (DM1)</li> </ul>
<b>Harmony (21-3397)</b> <i>Investigator:</i> <a href="#">Matthew Wicklund, MD</a> <i>Purpose:</i> to study pitolisant, an investigational medication, for the treatment of excessive daytime sleepiness, fatigue and cognitive dysfunction in adults with type 1 myotonic dystrophy. <i>Intervention:</i> you have a 1 in 3 chance of receiving either low dose pitolisant, high dose pitolisant, or placebo during the initial 11 weeks of the study, but everyone who participates in the final 55 weeks of the study will receive pitolisant. <i>Timeline:</i> 8 in-person visits over approximately 1.5 years. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT04886518</a>	<ul style="list-style-type: none"> <li>• Age: 18-65 years old</li> <li>• Diagnosis: genetically confirmed diagnosis of type 1 myotonic dystrophy (DM1)</li> <li>• Experience excessive daytime sleepiness</li> </ul>
<b><i>Spinal Muscular Atrophy (SMA)</i></b>	
<b>WeSMA (22-0296)</b> <i>Investigator:</i> <a href="#">Stacy Dixon, MD, PhD</a> <i>Purpose:</i> to follow patients receiving Evrysdi (risdiplam) for a long time. This will add to the body of evidence about the safety and effectiveness of Evrysdi. <i>Intervention:</i> Evrysdi. <i>Timeline:</i> visits every 6 months for up to 5 years. <i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05232929</a>	<ul style="list-style-type: none"> <li>• Diagnosis: spinal muscular atrophy</li> <li>• Currently prescribed Evrysdi</li> </ul>

The Neuro-Ophthalmology Research Section at the University of Colorado is a leading center for investigating disorders that affect the visual system and brain. Founded in 1967, the section has a long history of excellence in patient care, education, and research. Its faculty members are internationally recognized experts in the field, and their research focuses on a wide range of topics, including optic nerve disease, neuromyelitis optica spectrum disorder (NMOSD) and myelin oligodendrocyte disorder (MOG), cerebral visual impairment, and neuroimaging. The section is committed to advancing our understanding of these conditions and developing new treatments that improve the lives of patients.

	<b>Key Eligibility Requirements</b>
<p><b><i>Myelin Oligodendrocyte Glycoprotein Antibody Disease (MOG-AD)</i></b></p> <p><b>UCB MOG (21-3747)</b></p> <p><i>Investigator:</i> <a href="#">Jeffrey Bennett, MD, PhD</a></p> <p><i>Purpose:</i> to assess how safe, tolerable (acceptable to you) and effective rozanolixizumab (referred to as "the study drug" hereafter) is in treating Myelin Oligodendrocyte Glycoprotein Antibody Disease (MOG-AD).</p> <p><i>Intervention:</i> study drug (50% chance) or placebo (50% chance).</p> <p><i>Timeline:</i> Screening Period (approx. 4 to 6 weeks) followed by a Double-Blind Study Treatment Period (up to 132 weeks) followed by a Open-Label Extension (OLE) Study Treatment Period (approx. 51 weeks) followed by a Safety Follow-Up (SFU) Period (8 weeks after the last dose of study treatment).</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05063162</a></p>	<ul style="list-style-type: none"> <li>• Age: <math>\geq 18</math> to <math>\leq 89</math> years old</li> <li>• Diagnosis: Myelin Oligodendrocyte Glycoprotein Antibody Disease (MOG-AD)</li> <li>• Weigh at least 35kg at Screening</li> </ul>
<p><b><i>Neuromyelitis Optica Spectrum Disorder (NMOSD)</i></b></p> <p><b>SAkuraBONSAI (21-4079)</b></p> <p><i>Investigator:</i> <a href="#">Jeffrey Bennett, MD, PhD</a></p> <p><i>Purpose:</i> to test the efficacy and safety of satralizumab in subjects who have not received any maintenance treatment with Neuromyelitis Optica Spectrum Disorder (NMOSD), as well as subjects who have been treated with rituximab but have an inadequate response to it.</p> <p><i>Intervention:</i> satralizumab</p> <p><i>Timeline:</i> Screening Period followed by a Study Treatment Period involving subcutaneous (under the skin) injections of satralizumab 120 mg at Weeks 0, 2, and 4 and every 4 weeks till the last injection at Week 92 followed by a visit to the clinic at Week 96. Total study participation is approx. 2.5 years.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05269667</a></p>	<ul style="list-style-type: none"> <li>• Age: 18 to 74 years, inclusive</li> <li>• Diagnosis: AQP4 antibody seropositive Neuromyelitis Optica Spectrum Disorder (NMOSD)</li> </ul>



Neuromyelitis Optica Spectrum Disorder (NMOSD) (continued)	
<p><b>SAkuraPEAK (22-1981)</b></p> <p><i>Investigator:</i> <a href="#">Jeffrey Bennett, MD, PhD</a></p> <p><i>Purpose:</i> to test satralizumab at a higher dose (180 mg) in Neuromyelitis Optica Spectrum Disorder (NMOSD) participants weighing more than 100 kg to find out if this dose is safe and to understand the way their body processes the study drug.</p> <p><i>Intervention:</i> satralizumab.</p> <p><i>Timeline:</i> Screening Visit followed by a 24-week study treatment period (~10 in-person visits) followed by a 12-week follow-up (~2 telephone visits + 1 final in-person visit).</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT02073279</a></p>	<p><b>Key Eligibility Requirements</b></p> <ul style="list-style-type: none"><li>• Age: 18+ years old</li><li>• Diagnosis: AQP4 antibody-positive NMOSD</li><li>• Body Weight: over 100kg (~220 lbs)</li></ul>

The Neuro-Hospitalists team at the University of Colorado is a highly specialized group of physicians who provide expert care for patients with a wide range of acute neurological conditions. We provide timely and effective interventions to improve patient outcomes, and our team is available around the clock to issue rapid responses to stroke emergencies. Our clinical research program aims to advance the field of neurovascular medicine, with a particular focus on investigating new diagnostic and treatment approaches for stroke. Our goal is to provide the highest quality of care for our patients and improve outcomes for those with neurovascular and stroke-related conditions.

	Key Eligibility Requirements
Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy (CADASIL)	
<p><b>CADASIL (22-0235)</b></p> <p><i>Investigator:</i> <a href="#">Karen Orjuela, MD</a></p> <p>Purpose: Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy (CADASIL) is the most common heritable cause of vascular dementia, but many of the early symptoms of the disease remain poorly understood. This study is designed to look at how a person's body, brain, and behavior change throughout the stages of this disease, and what factors might serve as additional risks or protective factors.</p> <p><i>Timeline:</i> 3 in-person study visits over 5 years.</p> <p><i>ClinicalTrials.gov Identifier:</i> <a href="#">NCT05677880</a></p>	<p><b>CADASIL Participants:</b></p> <ul style="list-style-type: none"><li>• Age: 18+ years old</li><li>• positive NOTCH3* genetic testing; or a positive skin biopsy; or willingness to have a NOTCH3 genetic test prior to enrolling and are a -risk for, or diagnosed clinically, with CADASIL</li></ul> <p><b>CADASIL Participant Chosen Companion:</b></p> <ul style="list-style-type: none"><li>• Same criteria as CADASIL participants except are or were at risk for CADASIL but have Negative NOTCH3* genetic testing</li></ul>

## Finding Current Studies:

- [University of Colorado Anschutz Medical Campus Department of Neurology Clinical Research](https://medschool.cuanschutz.edu/neurology/research/clinical-research): <https://medschool.cuanschutz.edu/neurology/research/clinical-research>
  - [Epilepsy](https://medschool.cuanschutz.edu/neurology/research/clinical-research/epilepsy): <https://medschool.cuanschutz.edu/neurology/research/clinical-research/epilepsy>
  - [Headache/Migraine](https://medschool.cuanschutz.edu/neurology/research/clinical-research/headache-migraine): <https://medschool.cuanschutz.edu/neurology/research/clinical-research/headache-migraine>
  - [Healthy Volunteers](https://medschool.cuanschutz.edu/neurology/research/clinical-research/healthy-volunteers): <https://medschool.cuanschutz.edu/neurology/research/clinical-research/healthy-volunteers>
  - [Movement Disorders](https://medschool.cuanschutz.edu/neurology/research/clinical-research/movement-disorders): <https://medschool.cuanschutz.edu/neurology/research/clinical-research/movement-disorders>
  - [Neurobehavior](https://medschool.cuanschutz.edu/neurology/research/clinical-research/alzheimer's-disease-memory-disorders-(draft)): [https://medschool.cuanschutz.edu/neurology/research/clinical-research/alzheimer's-disease-memory-disorders-\(draft\)](https://medschool.cuanschutz.edu/neurology/research/clinical-research/alzheimer's-disease-memory-disorders-(draft))
  - [Neuroimmunology/Multiple Sclerosis \(MS\)](https://medschool.cuanschutz.edu/neurology/research/clinical-research/ms-neuroimmunology): <https://medschool.cuanschutz.edu/neurology/research/clinical-research/ms-neuroimmunology>
  - [Neuromuscular](https://medschool.cuanschutz.edu/neurology/research/clinical-research/neuromuscular): <https://medschool.cuanschutz.edu/neurology/research/clinical-research/neuromuscular>
  - [Neuro-Ophthalmology](https://medschool.cuanschutz.edu/neurology/research/clinical-research/neuro-ophthalmology): <https://medschool.cuanschutz.edu/neurology/research/clinical-research/neuro-ophthalmology>
  - [Neurohospitalist/Stroke](https://medschool.cuanschutz.edu/neurology/research/clinical-research/stroke): <https://medschool.cuanschutz.edu/neurology/research/clinical-research/stroke>
- [Clinicaltrials.gov](https://clinicaltrials.gov): <https://clinicaltrials.gov>

## More Information on Research and Upcoming Events:

- [University of Colorado Movement Disorders Center](https://cumovement.org): <https://cumovement.org>
- [Rocky Mountain Multiple Sclerosis \(MS\) Center](https://mscenter.org): <https://mscenter.org>
- [University of Colorado Alzheimer's and Cognition Center](https://medschool.cuanschutz.edu/alzheimer/research): <https://medschool.cuanschutz.edu/alzheimer/research>

## Learning More about Clinical Research:

- [The National Institutes of Health \(NIH\) - Clinical Trials and You](https://nih.gov/health-information/nih-clinical-research-trials-you): <https://nih.gov/health-information/nih-clinical-research-trials-you>
- [The Center for Information and Study on Clinical Research Participation \(CISCRP\)](https://ciscrp.org) (<https://ciscrp.org>) is first-of-its-kind nonprofit organization dedicated to educating and informing the public, patients, medical/research communities, the media, and policy makers about clinical research and the role each party plays in the process.
  - [The CISCRP Community Resources webpage](https://ciscrp.org/education-center/community-organizations) (<https://ciscrp.org/education-center/community-organizations>) contains a number of contact information-containing resources available to anyone seeking information about clinical research, both general and disease-specific.
- [PubMed](https://pubmed.ncbi.nlm.nih.gov) (<https://pubmed.ncbi.nlm.nih.gov>) is a free resource supporting the search and retrieval of biomedical and life sciences literature with the aim of improving health—both globally and personally.
- [Office for Human Research Participants](https://hhs.gov/ohrp/education-and-outreach/about-research-participation/index.html): <https://hhs.gov/ohrp/education-and-outreach/about-research-participation/index.html>
- Clinicaltrials.gov Glossary of Common Site Terms: <https://clinicaltrials.gov/ct2/about-studies/glossary>

**I am interested in participating in research, but I don't know where to start. What should I do?**

Please contact our Neurology Research Recruitment Team by filling out our [webform](https://neurologyevent.ucdenver.edu/recruitment/welcome) (https://neurologyevent.ucdenver.edu/recruitment/welcome) or reach out via email (NeuroResearch@cuanschutz.edu) or phone (303-724-4644).

A Recruitment Specialist will contact you with more information about clinical research and will see if there are any studies you may be a good fit for. If you don't qualify for any studies at this time, the Recruitment Specialist will provide you with follow up resources so you can stay up-to-date on clinical research.

**I think I might be eligible for one or more of these studies. What is the next step in the process?**

Please contact our Neurology Research Recruitment Team by filling out our [webform](https://neurologyevent.ucdenver.edu/recruitment/welcome) (https://neurologyevent.ucdenver.edu/recruitment/welcome) or reach out via email (NeuroResearch@cuanschutz.edu) or phone (303-724-4644).

A Recruitment Specialist will contact you to discuss the studies further and complete brief prescreening questionnaire(s) with you over the phone to see if you are a good fit. If you meet the prescreening requirements, the Recruitment Specialist will connect you with the Study Coordinator who will work with you to schedule a more in-depth, in-person screening visit.

**I have contacted the Neurology Research Recruitment Team and have not heard back yet. How long will I have to wait?**

A Recruitment Specialist will reach out to you via phone or email within 10 business days. We receive a high volume of inquiries, so thank you in advance for your patience!



University of Colorado **Anschutz Medical Campus**

## **Department of Neurology**