

Our Research Team:



Beate Ritz, M.D., Ph.D., is a physician, epidemiologist, professor of Epidemiology, and the Director of the Occupational and Environmental Epidemiology Program at UCLA. She has devoted her career to studying the environmental causes of Parkinson's disease with the hope of preventing it. Her team has been working in the California Central Valley for more than 20 years.



Jeff Bronstein, M.D., Ph.D., is a professor of Neurology and the Director of the UCLA Movement Disorders Program. He treats Parkinson's disease patients and is in charge of clinical Parkinson's disease research in the Department of Neurology at UCLA. Dr. Bronstein's research laboratory studies the cause of Parkinson's disease using cell and zebrafish models.



Adrienne Keener, M.D., is an assistant professor of Neurology in the UCLA Movement Disorders Program and an Associate Director of Education and Clinical Care at the PADRECC for Veteran Affairs. She treats Parkinson's disease patients at the VA and UCLA and conducts clinical research.



Jonathan Jacobs, M.D., Ph.D., is the director of the UCLA Microbiome Core of the UCLA Department of Medicine. He researches digestive diseases and how the microbiome interacts with diseases such as Parkinson's Disease, inflammatory bowel disease, cancer, and obesity.

Brochure for the UCLA PEG Brain and Gut Study



Your help will make
a difference!

Get in Touch



1-866-519-1795



pegstudy@mednet.ucla.edu



pegstudy.com

PEG study mailing address:

Mail Code: 117220

Fielding School of Public Health
Center for Health Sciences, 73-284
650 Charles E Young Dr S,
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UCLA PEG Brain and Gut Study

Help us learn how the
gut microbiome affects
Parkinson's disease



What is this study about?

The **UCLA PEG Brain and Gut Study** aims to discover how bacteria in our gut may play a role in brain health. This may provide future therapeutic opportunities for Parkinson's patients.

You may be eligible if you:

- o Were diagnosed with Parkinson's disease within the past five years
- o Lived in California for five years
- o Currently live in Fresno, Kern, or Tulare counties



What will we ask you to do?

- o Collection of stool (2 tbsp) and blood (4 tbsp)
- o Meet with our UCLA Movement Disorder Specialists (15 minutes)
- o Tell us about your history and lifestyle by mail, phone, or online at your convenience (1 to 3 hours)
- o If possible, invite another member of your household to participate

We are seeking volunteers to participate in this study!

Call us toll-free at
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Why do gut microbes matter for Parkinson's disease?

Gut bacteria digest our food. The nutrients and chemicals they produce enter the blood stream and can reach the brain. The brain directs your digestion through the nervous system.

Scientists now believe that the brain also reacts to signals sent from the gut and its bacteria. A disruption of this relationship may lead to health issues.

What might concern you about participating in this research?

This is a minimal risk research project. You might feel some apprehension about collecting stool samples or having your blood drawn. We will make these sample collections as easy and comfortable for you as possible. Also, we will stand by to help you with all forms and conduct interviews in a manner that is respectful of your time and your privacy.

How will the study protect your privacy?

Your personal information that may identify you will be kept completely confidential and will not be shared with others. All information and samples collected from you will be number-coded so that your name will not appear on any documentation.

Why are household members invited?

The goal of our study is to find out what causes Parkinson's disease. Patients only tell us half of the story. We need to compare patients to those who do not have the disease. Differences and similarities help us identify causes and why some people get sick.

You may still participate without a household member.

Will you be compensated?

You will receive up to \$100 or more for your efforts depending on which parts of this study you participate in and mileage compensation for site visits.

What can you learn about the study findings?

We will provide you with the latest information on our study findings, such as information about gut and brain health. What we will learn may help to improve the health of current and future members of your community.

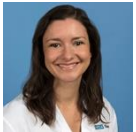
Nuestro equipo de investigación:



Beate Ritz, M.D., Ph.D., es médica, epidemióloga, profesora de Epidemiología y Directora del Programa de Epidemiología Ocupacional y Ambiental de UCLA. Ha dedicado su carrera a estudiar las causas ambientales de la enfermedad de Parkinson con la esperanza de prevenirla. Su equipo ha estado trabajando en el Valle Central de California durante más de 20 años.



Jeff Bronstein, M.D., Ph.D., es profesor de Neurología y Director del Programa de Trastornos del Movimiento de UCLA. Trata a pacientes con la enfermedad de Parkinson y está en cargo de la investigación clínica de la enfermedad de Parkinson en el Departamento de Neurología de UCLA. El laboratorio de investigación del Dr. Bronstein estudia la causa de la EP utilizando modelos celulares y de pez cebra.



Adrienne Keener, M.D., es profesora asistente de Neurología en el Programa de Trastornos del Movimiento de UCLA y Directora Asociada de Educación y Atención Clínica en el PADRECC para Asuntos de Veteranos. Ella trata a pacientes con la enfermedad de Parkinson en el VA y UCLA y realiza investigaciones clínicas.



Jonathan Jacobs, M.D., Ph.D., es el director del Centro Microbioma de UCLA del Departamento de Medicina de UCLA. Él investiga las enfermedades digestivas y cómo el microbioma interactúa con enfermedades como la enfermedad de Parkinson, la enfermedad inflamatoria intestinal, el cáncer y la obesidad.

Folleto para el Estudio de Cerebro e Intestino de UCLA PEG



¡Su ayuda hará una diferencia!

Ponerse en contacto

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Estudio de Cerebro e Intestino de UCLA PEG

Ayúdenos aprender como el microbioma intestinal afecta a la enfermedad de Parkinson



¿De qué se trata este estudio?

El **Estudio Cerebro e Intestino de UCLA PEG** tiene como objetivo a descubrir cómo bacteria en nuestro intestino pudiera contribuir en la salud del cerebro. Esto pudiera producir oportunidades terapéuticas futuras para los pacientes de Parkinson.

Usted puede ser elegible si:

- o Fue diagnosticado con la enfermedad de Parkinson entre los últimos cinco años
- o Vivió en California por cinco años
- o Actualmente vive en el condado de Fresno, Kern o Tulare



¿Qué te pedimos que hagas?

- o Recolección de heces (2 cucharadas) y sangre (4 cucharadas)
- o Juntarse con nuestros especialistas en trastornos del movimiento de UCLA (15 minutos)
- o Cuéntenos sobre su historia y estilo de vida por correo, teléfono o en línea a su conveniencia (1 a 3 horas)
- o Si es posible, invite a otro miembro de su hogar a participar

¡Estamos buscando voluntarios para participar en este estudio!

Llámanos gratis al
1-866-519-1795



¿Por qué son importantes los microbios intestinales para la Enfermedad de Parkinson?

Bacteria intestinal digiera nuestra comida. Los nutrientes y químicos que producen entran al torrente sanguíneo y pueden llegar al cerebro. El cerebro dirige su digestión a través del sistema nervioso.

Científicos ahora creen que el cerebro también reacciona a las señales enviadas desde el intestino y sus bacterias. Una interrupción de esta relación puede provocar problemas de salud.

¿Qué podría preocuparle sobre participar en esta investigación?

Este es un proyecto de investigación de riesgo mínimo. Es posible que sienta cierta aprensión de la recolección de muestras de heces o la extracción de sangre. Haremos que estas colecciones de muestras sean lo más fáciles y cómodas posibles para usted. Además, estaremos listos para ayudarlo con todos los formularios y realizar entrevistas de una manera que respete a su tiempo y su privacidad.

¿Cómo protegerá el estudio su privacidad?

Su información personal que pueda identificarlo se mantendrá completamente confidencial y no se compartirá con otros. Toda la información y las muestras que se recopilen de usted se codificarán con números para que su nombre no aparezca en ninguna documentación.

¿Por qué se invita a miembros del hogar?

El objetivo de nuestro estudio es descubrir qué causa la enfermedad de Parkinson. Pacientes solo nos cuentan la mitad de la historia. Necesitamos comparar a los pacientes con aquellos que no tienen la enfermedad. Diferencias y similitudes nos ayudan a identificar las causas y por qué algunas personas se enferman.

Todavía puede participar sin un miembro de su hogar.

¿Serás reembolsado?

Recibirá hasta \$100 o más por sus esfuerzos, según las partes de este estudio en que participe y el reembolso de millas por las visitas al sitio.

¿Qué puede aprender sobre los hallazgos del estudio?

Le proporcionaremos la información más reciente sobre los descubrimientos de nuestro estudio, como información sobre la salud intestinal y cerebral. Lo que aprenderemos pudiera ayudar a mejorar la salud de los miembros actuales y futuros de su comunidad.

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**Your help will make a difference in
Multiple System Atrophy (MSA)
research!**

Get in Touch

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**UCLA Pilot Study of
Environmental Risk Factors
for Multiple System Atrophy
(MSA)**

Help us learn how the
environment affects Multiple
System Atrophy

What is this study about?

The UCLA Pilot Study of Environmental Risk Factors for MSA aims to help understand better ways to conduct studies to identify possible risk for the development of MSA.



We are conducting this study in partnership with the UCLA PEG Study, an established research with over 20 years of experience working with

Parkinson's disease in the San Joaquin CA Central Valley.

You may be eligible if you:


- o Were diagnosed with Multiple System Atrophy
- o Currently live in Fresno, Kern, or Tulare counties



What we ask you to do?

- o Collection of samples of stool (2 tbsp), blood (4 tbsp), urine (1/4 cup), and saliva (2 tsp)
- o Meet with our UCLA Movement Disorder Specialists (15 minutes)
- o Tell us about your history and lifestyle by mail, phone, or online at your convenience (1 to 3 hours)
- o If possible, invite another member of your household to participate

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Why are we conducting this study?

To help find out if environmental factors, like exposure to pesticides, can increase the risk of MSA. We also hope to explore potential mechanisms for those risks, including the relation of gut microbes with brain diseases. Previous studies in the San Joaquin Central Valley revealed that environmental risk factors, such as pesticides, increase the risk of development of neurological diseases like Parkinson's disease, but few studies investigated risk factors for MSA so far.

What you might be concerned about in participating in this research?

This is a minimal risk research project. You might feel some apprehension about collecting stool samples or having your blood drawn. We will make these sample collections as easy and comfortable for you as possible. Also, we will stand by to help you with all forms and conduct interviews in a manner that is respectful of your time and your privacy.

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Why are household members invited?

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Will you be reimbursed?

You will receive \$30 for your efforts as part of this study, in addition to mileage reimbursement for site visits.

What can you learn about the study findings?

We will provide you with the latest information on our study findings, such as information about MSA, environment, gut and brain health. What we will learn may help to improve the health of current and future members of your community.