

# Digitizing and democratizing biomedical research

*Collaborative, community-driven research powered  
by cutting-edge digital technologies*





## Forging partnerships to transform clinical research

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At the Scripps Research Digital Trials Center, our mission is clear: We want to transform how and where clinical research is done. We aim to usher in a new era for clinical trials and biomedical research—one powered by digital technology and centered around the study participant.

Our team pioneered the “site-less” model for conducting clinical research studies. By leveraging advances in wearable sensors, activity trackers and smartphone applications, our scientists are now able to recruit, monitor and communicate with study participants wherever they are. By designing trials around the participant rather than a study site, we can collect and analyze multi-layered, real-world data, enroll large numbers of participants and return individualized health findings back to them. We can also eliminate barriers that exist for traditional clinic-based trials which have historically lacked diversity.

We are already applying this new research model to a slew of disease areas and health conditions, including COVID-19, maternal health, diabetes, heart health and sleep—and we’re just getting started.

At the center of all our efforts are **people** — study participants, scientists, healthcare professionals, innovators, technologists, advocates, and the communities they are part of. Research is only possible when people come together to solve complex challenges. We cannot do this work alone. That is why we are partnering with organizations, companies, foundations, and philanthropists who share our commitment to rebooting clinical research.

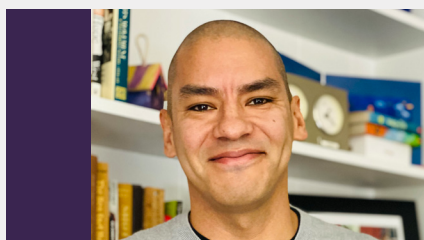
On behalf of the entire team at the Digital Trials Center, I invite you to join us on our journey toward a more equitable and inclusive future for clinical research.

**Thank you for your interest in our work.**



**Katie Baca-Motes, MBA**

Co-founder, Scripps Research Digital Trials Center  
Senior Director, Strategic Initiatives  
Scripps Research Translational Institute



**Edward Ramos, PhD**

Co-founder, Scripps Research Digital Trials Center  
Director, Digital Clinical Trials  
Scripps Research Translational Institute





Leading the digital future of  
biomedical research and medicine

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**Eric Topol, MD,**  
Founder & Director, Scripps Research  
Translational Institute  
Executive Vice President,  
Scripps Research

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Scripps Research is a biomedical research institute like no other. Ambitious teams of researchers collaborate across disciplines to advance scientific understanding and address the world's most pressing health concerns.

The Scripps Research Digital Trials Center draws on the vision and pioneering research conducted by Eric Topol, MD, founder and director of the Scripps Research Translational Institute and executive vice president at Scripps Research. His work melds genomics, digital medicine and artificial intelligence to advance the promise of individualized medicine.

At the Digital Trials Center, scientists and clinical researchers work together to accelerate the application of digital technologies in clinical research and the implementation of direct-to-participant research trials. Our goal is to gather rich, longitudinal health data that will accelerate medical breakthroughs, while making participation in clinical research inclusive, effortless and rewarding.



A responsive research platform

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These innovative platforms are already being applied to research studies in several critical areas:

- **Maternal health** – The PowerMom platform powers several research studies that seek to reduce maternal health disparities and advance our understanding of what leads to healthy pregnancies for every pregnant person.
- **Infectious diseases** – The DETECT research platform collects COVID-19-related health information through app-based surveys and wearable sensors. DETECT aims to gain insights into early detection for COVID-19 and other viral illnesses, and into physiological metrics related to infection and vaccination.
- **Long COVID** – The Long COVID Wearable Study aims to understand whether wrist-worn activity trackers can improve long COVID symptom management.
- **Precision nutrition** – PROGRESS is a study that uses remote biomarker monitoring, biosampling and other digital health tools to understand metabolic health and diseases like type 2 diabetes.
- **Sleep medicine** – The REFRESH platform enables studies that investigate the use of digital technologies for home-based research into sleep health.

Partnership and giving opportunities exist for all current research programs.  
We also welcome discussions regarding areas of future research collaboration.

*Please contact Katie Baca-Motes at [kbmotes@scripps.edu](mailto:kbmotes@scripps.edu) for more details.*



**PowerMom**

Scripps Research  
Digital Trials Center



## Working toward healthier pregnancies – and healthier babies

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The high rate of maternal morbidity and mortality in the United States is a veritable health crisis that demands enhanced understanding and intervention. Maternal mortality rates in this country are higher than in any other developed country in the world, despite having some of the highest maternal care spending. A large burden of maternal risk falls on Black, American Indian and Alaska Native women who experience two to three times higher maternal mortality rates than white women. Additionally, pregnancies in those who live in rural areas are at higher risk for negative outcomes than pregnancies in those who live in cities.

The medical community urgently needs new ways to detect and predict pregnancy-related complications to address this crisis. Scientists at the Scripps Research Digital Trials Center are dedicated to closing existing knowledge gaps in maternal health and addressing inequities.

PowerMom is a smartphone app-based research platform that invites pregnant people across the country to share their health data through wearable sensors and surveys. By gathering large amounts of pregnancy-related data, scientists will gain insights into what leads to a healthy pregnancy for everyone. In addition, PowerMom empowers pregnant participants to become active managers of their own health by returning health information back to them.

PowerMom is joined by a consortium of health and technology companies as well as advocacy groups and community health centers with a shared commitment to advancing research in maternal health.





**Toluwalasé Ajayi, MD**  
Director, Clinical Research  
Scripps Research Digital Trials Center

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*“Historically, pregnant people have been excluded from most clinical research resulting in significant knowledge gaps when it comes to understanding pregnancy on an individual level. Staggering racial inequities make it all the more urgent for scientists to help tackle this national public health crisis.”*

### **The knowledge we seek:**

- Can connected digital sensors, coupled with participant-reported outcomes and health information help to develop proactive, precise, and preventative approaches to optimize the health of pregnant people in all communities?
- Can we individualize recommendations for expectant mothers based on unique characteristics we collect, and thereby maximize the chances of a healthy pregnancy?
- Can we, with our health systems, payers and policy maker partners, help guide standard of care guidelines with the goal of high quality and safe health care for all pregnant people?

**To learn more about PowerMom, visit [powermom.scripps.edu](https://powermom.scripps.edu).**



**PowerMom**

Scripps Research  
Digital Trials Center

## Partnership and giving opportunities

**\$100,000** | **PowerMom**  
Consortium Member

**Support the greatest needs of the PowerMom program and join the largest, most diverse pregnancy-related research community to inform and support maternal health.** As a PowerMom Consortium Member, you will help address a national crisis in partnership with a top-ranked, renowned research institution and empower pregnant customers and constituents with their own maternal health data and education. *PowerMom can accept member sponsorships as cash contributions or in-kind resources relevant to PowerMom programming.*

Members receive one year of the following benefits:

- Receive regular PowerMom program updates.
- Logo displayed on PowerMom website.
- Logo displayed twice per year in monthly study participant digest e-newsletter.
- Logo displayed and membership announced at all PowerMom events.
- Invitation to all in-person and virtual PowerMom events and meetings.
- Co-branded marketing materials to share with customers and constituents.
- Logo and company website link included on resource pages accessed via the PowerMom mobile app.
- Opportunity to collaborate with Scripps Research's vast network of trusted academic, industry and technology partners.
- Opportunity to sponsor sub-studies on pregnancy-related health conditions using the PowerMom digital study platform. (Costs to sponsor a sub-study range between \$500,000-\$3,000,000)
- Access robust data from consented study participants through data sharing and joint data analysis.

\*Nonprofit/Academic/Community Partners interested in PowerMom Consortium Membership can receive discounted or waived membership fees. Please contact Katie Baca-Motes, Senior Director of Strategic Initiatives at the Scripps Research Translational Institute, [kbmotes@scripps.edu](mailto:kbmotes@scripps.edu), for more details.

## PowerMom Consortium Ally – Multiple Levels

Support the greatest needs of the PowerMom program. *PowerMom can accept sponsorships as cash contributions or in-kind resources relevant to PowerMom programming.*

**Sponsors receive one year of the following benefits:**

### **\$50,000** | **PowerMom** Diamond Ally

- Receive regular PowerMom program updates.
- Logo displayed on PowerMom website.
- Logo displayed twice per year in monthly study participant digest e-newsletter.
- Logo displayed and sponsorship announced at one PowerMom event or meeting.
- Invitation to all virtual PowerMom events and meetings.
- Co-branded marketing materials to share with customers and constituents.

### **\$25,000** | **PowerMom** Gold Ally

- Receive regular PowerMom program updates.
- Logo displayed on PowerMom website.
- Logo displayed twice per year in monthly study participant digest e-newsletter.
- Logo displayed and sponsorship announced at one PowerMom virtual meeting.

### **\$10,000** | **PowerMom** Silver Ally

- Receive regular PowerMom program updates.
- Logo displayed on PowerMom website.
- Logo displayed once per year in monthly study participant digest e-newsletter.

### **\$5,000** | **PowerMom** Bronze Ally

- Receive regular PowerMom program updates.
- Logo displayed on PowerMom website.



## Connect with Us

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### Partnership opportunities



**Katie Baca-Motes**

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### Funding opportunities



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