



DIGITAL BIOMARKERS & DIGITAL MEASUREMENTS

Fostering the New Age of Health

November 17-18 | Virtual | EDT Timezone

The Digital Biomarkers & Digital Measurements Summit is a truly interactive experience. Working with industry leaders, attendees will be able to access **even more high quality learning and networking opportunities**, all from the comfort of their own home.

Through a more personalized and flexible experience, attendees will be able to participate in **engaging live sessions**, actively or passively take part in **dedicated discussions**, instantly **message fellow attendees**, join a variety of **networking sessions** and much more. Oh, and not to mention the rockstar speaker faculty and crucial topics on the agenda.

With the recent changes in healthcare, it is now more crucial than ever to **accelerate digital biomarkers / measurements** into the healthcare and drug development mainstreams.

Conference Day 1, Tuesday, 17th November

Location: **Stage**

Defining Digital Biomarkers & Digital Measurements

8:00am Conference Platform Opens

The conference platform opens before the agenda starts, giving you time to plug the presentations, panels and discussions into your agenda for the rest of the day. This also gives you plenty of time to get familiar with the platform.

9:00am Chair's Opening Remarks & Presentation - Clearing The Cloud and Clarifying The Space: Defining Digital Biomarkers, Digital Measurements and Digital Endpoints

Jennifer Goldsack, Executive Director, [Digital Medicine Society](#)

9:20am Wellness Break

Get-up and have a stretch before the next session begins.

9:25am Presentation - Digital Biomarkers in Psychiatry: Monitoring Fluctuations in Real-Time

Francesca Cormack, Director of Research and Innovation, [Cambridge Cognition](#)

9:50am **Wellness Break**

Get-up and have a stretch before the next session begins.

Location: **Sessions**

9:55am Panel Discussion: **Will the Impact of Covid-19 Give Rise to the Golden Age of Digital Biomarkers & Digital Measurements?**

As companies across healthcare scramble to figure out how to “go digital” in Covid-19-impacted healthcare systems, the need to figure out how and where digital biomarkers/measurements fit in with this is now more critical than ever. Hear from the pioneers in the field and their thoughts on questions such as:

- How is the impact of Covid-19 changing how we view the potential of digital biomarkers/measurements?
- With Telehealth on the rise, how can digital biomarkers/measurements change how patients are managed and treated?
- With the impact of Covid-19 on in-person clinical trials, how can digital biomarkers/measurements become the new gold standard in virtual trials?
- As this industry rapidly emerges, how can we encourage standardization of definitions across this field?
- What barriers need to be removed for digital biomarkers/measurements to deliver on their potential?

Ray Dorsey, Professor of Neurology, Director, CHET, [University of Rochester](#)

Kimon Angelides, Founder, [Early Bird Pharma](#)

Peter Bergethon, Vice President, Head of Digital & Quantitative Medicine, [Biogen](#)

Rhoda Au, Professor, Anatomy & Neurobiology, [Boston University](#)

Joe Kvedar, Senior Advisor, Virtual Care / Professor, Dermatology, [Partners Healthcare / Harvard Medical School](#)

10:25am **Optional Break**

Catch-up on emails, let the dog out, brew some more coffee... use this time to take care of regular day-to-day life.

Location: **Sessions**

10:25am **Open Q&A with Speakers**

This is your chance to pose your burning questions to the expert speakers from the previous panel.

Actively or passively take part in this session.

Ray Dorsey, Professor of Neurology, Director, CHET, [University of Rochester](#)

Kimon Angelides, Founder, [Early Bird Pharma](#)

Peter Bergethon, Vice President, Head of Digital & Quantitative Medicine, [Biogen](#)

Rhoda Au, Professor, Anatomy & Neurobiology, [Boston University](#)

Joe Kvedar, Senior Advisor, Virtual Care / Professor, Dermatology, [Partners Healthcare / Harvard Medical School](#)

Location: **Networking Area**

10:45am **Speed Networking**

In the purpose-built Networking area, get ready to expand your network through randomly assigned 1 on 1 quick-fire video meetings. You can choose who you want to “connect” with and then set-up 1-2-1 in-depth catch-up’s throughout the rest of the event.

This function also ensures that you don’t meet the same person more than once, allowing you to meet as many fellow attendees as you desire.

Your future collaborators or partners could be just one click away!

Location: **Stage**

11:10am Presentation: **Standardizing Digital Measurement in Movement Disorders**

- BrainBaseline founder Joan Severson will discuss their history and approach to translating clinical assessments into digital, self-administered, mobile formats
- Collaborator Dr. Josh Cosman will share insight on movement disorder study design using digital measurements, as well as the choice to deploy using consumer-grade hardware
- The duo will reveal future plans and work on furthering the development of digital biomarkers for movement disorders

Joan Severson, Chief Executive Officer, [BrainBaseline](#)

Josh Cosman, Director, Digital Health Strategy, [AbbVie](#)

11:35am **Wellness Break**

Get-up and have a stretch before the next session begins.

Location: **Stage**

Storm Session - Lightning Talks

Addressing the levels of evidence needed for digital measures is crucial to ensure their success and implementation in both clinical trials and routine care. Through lightning talks and a lively panel discussion, this 'storm session' unpacks the evidentiary framework, regulatory pathways

and performance considerations for digital biomarkers and measures.

11:40am Lightning Talk: **What Are the Regulatory Pathways Available?**

Andy Coravos, Co-Founder & Chief Executive Officer, [Elektra Labs](#)

11:50am Lightning Talk: **What Are The Considerations Beyond Measurement Performance?**

Beau Woods, Deputy Director, Cyber Safety Innovation Fellow, [Atlantic Council](#)

12:00pm **Wellness Break**

Get-up and have a stretch before the next session begins.

Location: **Sessions**

12:05pm Panel Discussion: **What Level of Evidence is Needed to Evaluate Biomarkers and Measurements?**

- Why do we need medical evidence in order to calibrate digital biomarkers/measurements?
- What impact would standardizing levels of evidence have on this industry?
- What exactly should we be evaluating before deciding to use a digital measure? The sensor, the software, and/or its clinical application?
- Individuals are able to buy many of the technologies being considered for use in clinical trials directly. What impact does this have on technology selection, regulatory considerations, and deployment of these technologies in clinical trials?
- How should we think about consent and data governance in this era of digital data?

Andy Coravos, Co-Founder & Chief Executive Officer, [Elektra Labs](#)

Beau Woods, Deputy Director, Cyber Safety Innovation Fellow, [Atlantic Council](#)

Ninad Gujar, Vice President, Regulatory & Quality, [NeuroLogica Corporation](#)
Jeremy Wyatt, Chief Executive Officer, [ActiGraph](#)

12:25pm **Open Q&A with Speakers**

This is your chance to pose your burning questions to the expert speakers from the previous panel.

Actively or passively take part in this session.

Andy Coravos, Co-Founder & Chief Executive Officer, [Elektra Labs](#)
Beau Woods, Deputy Director, Cyber Safety Innovation Fellow, [Atlantic Council](#)
Ninad Gujar, Vice President, Regulatory & Quality, [NeuroLogica Corporation](#)
Jeremy Wyatt, Chief Executive Officer, [ActiGraph](#)

12:45pm

Lunch

Finally, a lunch at a conference that is completely your choice!

Use this extended break to have your regular lunch, spend time with your family and give your brain a break. Recharge for the afternoon session.

Day 1 of The Digital Biomarkers & Digital Measurements Summit includes an extended break in the middle to give you ample time for lunch and another chance to catch-up on the day job. Or if you have time, you can use this break for 1-2-1 meetings or open networking.

Location: Expo Area

2:00pm **Tour of Expo**

Take a tour of the virtual Expo and interact with partners of The Digital Biomarkers & Digital Measurements Summit to understand more about their services.

Location: Stage

Digital Biomarkers & Measurements in Clinical Trials

2:20pm Presentation - **Trying To Put The "Good" Back With "Night"; Objective Measurements of Night-Time Scratch and Sleep in Atopic Dermatitis**

- We will learn how Pfizer's evaluating and using digital wearables as an objective quantitative measurement of nighttime scratch and sleep to provide unbiased at home assessments of this endpoint.
- Pfizer's Digital Medicine and Translational Imaging (DMTI) will also share insights and learnings to how they are deploying this technology worldwide.

Carrie Northcott, Director, [Pfizer](#)

2:40pm **Wellness Break**

Get-up and have a stretch before the next session begins.

2:45pm Presentation - **The importance of Reproducible Site, Home and Real World Gait**

- Monitoring the patients' real life allows a continuous and completely objective assessment of daily habits and performance, and a much more clinically relevant and powerful outcome measure for clinical trials when trying to show the impact on patients' quality of life.
- Get an insight on FeetMe's objective data collection capabilities and use cases.

Alexis Mathieu, Co-Founder & CEO, [FeetMe](#)

3:10pm **Wellness Break**

Get-up and have a stretch before the next session begins.

3:15pm Presentation - **How We Know What We Know in Clinical Trials**

- We will learn how mobile technologies, novel analytical techniques, the availability of transmission and storage resources have brought us toward the integration of latent and trial data, but have also revealed some limits that need to be addressed.
- The opportunities and obstacles the team have encountered on this journey into a new era of data, information, and knowledge in clinical trials.

Jamileh Jemison, Head of Clinical Development, [HealthMode](#)

3:35pm **Wellness Break**

Get-up and have a stretch before the next session begins.

Location: Sessions

3:40pm Panel Discussion: **Digital Biomarkers/Measurements: The New Normal of Virtual Clinical Trials?**

The seismic impact of Covid-19 on traditional, in-person clinical trials sent shockwaves around the drug development industry. As pharma/biotech pivot to more virtual clinical trials, the time is now for digital biomarkers/measurements to be routinely integrated but key questions must be answered, such as:

- What is the new normal for pharmaceutical clinical trials?
- How can digital biomarkers/measurements improve clinical trials for pharma/biotech?
- How should digital biomarkers/measurements integrate into virtual clinical trials?
- Currently, how comfortable are pharma/biotech with executing virtual clinical trials?
- What is the commercial rationale for integrating more digital biomarkers/measurements into clinical trials?

Ashkan Vaziri, Co-Founder & Chief Executive Officer, [BioSensics](#)

Shyamal Patel, Director, Head of Data Science, [Pfizer](#)

Lauren Bataille, Director, Digital Strategy Lead, Clinical Trial Innovation, [Novartis](#)

Jamileh Jemison, Head of Clinical Development, [HealthMode](#)

4:10pm **Optional Break**

Location: Sessions

Catch-up on emails, let the dog out, brew some more coffee... use this time to take care of regular day-to-day life.

4:10pm **Open Q&A with Speakers**

This is your chance to pose your burning questions to the expert speakers from the previous panel.

Actively or passively take part in this session.

Ashkan Vaziri, Co-Founder & Chief Executive Officer, [BioSensics](#)

Shyamal Patel, Director, Head of Data Science, [Pfizer](#)

Lauren Bataille, Director, Digital Strategy Lead, Clinical Trial Innovation, [Novartis](#)

Jamileh Jemison, Head of Clinical Development, [HealthMode](#)

Location: **Stage**

Digital Measurements in Routine Clinical Care

4:30pm **Wellness Break**

Get-up and have a stretch before the next session begins.

4:35pm Presentation: **The Heartline Study: Measuring Atrial Fibrillation Using Digital Measures.**

John Whang, Head of IET, Cardiovascular & Metabolism, [Johnson & Johnson](#)

4:55pm **Wellness Break**

Get-up and have a stretch before the next session begins.

Location: Sessions

5:00pm Panel Discussion: **How Can Digital Biomarkers/Measurements Revolutionize Patient Care?**

With healthcare systems undergoing a once-in-a-lifetime change, there is a clear opportunity for digital biomarkers/measurements to help ensure patients continue to receive the best care possible. However, crucial questions must be answered from the tech and medical perspectives to make sure that these technologies are integrated in the right way:

- What is the current need for digital biomarkers and measurements in routine care?
- What barriers need to be removed to integrate biomarkers and measurements into routine care?
- What do digital companies need to do in order to work closely with healthcare professionals?
- How do we evaluate the real world use of digital measurement tools in routine clinical care?
- How can digital biomarkers/measurements improve quality of life for patients?

Roger Daglius Dias, Director, Research & Innovation, STRATUS Center for Medical Simulation, [Brigham & Women's Hospital / Harvard Medical School](#)

Manuel Fanarjian, HealthTech Fellow, [Harvard Medical School](#)

Kate Papp, Clinical Neuropsychologist / Assistant Professor, [Brigham & Women's Hospital / Harvard Medical School](#)

Justin Williams, Chief Executive Officer & Founder, [Noteworthy](#)

Paul Dagum, Founder, Vice Chairman & CSO, [Mindstrong](#)

Location: **Networking & Sessions**

5:25pm - 6:00pm **Virtual Drinks**

Share a virtual drink with old friends or new connections. At small virtual tables, this is your chance to casually interact with the rest of the Digital Biomarkers & Digital Measurements industry.

Location: **Sessions**

5:25pm - 5:45pm **Open Q&A with Speakers**

This is your chance to pose your burning questions to the expert speakers from the previous panel.

Actively or passively take part in this session.

Roger Daglius Dias, Director, Research & Innovation, STRATUS Center for Medical Simulation, [Brigham & Women's Hospital / Harvard Medical School](#)

Manuel Fanarjian, HealthTech Fellow, [Harvard Medical School](#)

Kate Papp, Clinical Neuropsychologist / Assistant Professor, [Brigham & Women's Hospital / Harvard Medical School](#)

Justin Williams, Chief Executive Officer & Founder, [Noteworth](#)

Paul Dagum, Founder, Vice Chairman & CSO, [Mindstrong](#)

Conference Day 2, Wednesday 18th November

Location: **Sessions**

Commercializing Digital Biomarkers & Digital Measurements

8:00am **Conference Platform Opens**

The conference platform opens an hour before the sessions begin so that you can plug the presentations, panels and discussions into your calendar for the day ahead.

9:00am **Chair's Opening Remarks**

Dan Karlin, Chief Executive Officer, [HealthMode](#)

9:05am Panel Discussion: **Pharma and Digital Biomarkers/Measurements: A Match Made in Heaven?**

Digital biomarker/measurement companies offer exciting ways to revolutionize healthcare. But some consider the pharma and tech industries worlds apart - so how do we successfully form partnerships to bring these two worlds together? This panel hears from tech and pharma leaders to address successful routes for partnerships.

- How do Pharma currently view digital biomarkers/measurements?
- How has the need for more virtual clinical trials impacted these views?
- Are pharma really getting comfortable with becoming more “digital”?
- Do tech companies understand the nature of pharma and does this understanding impact potential pharma/tech partnerships?
- How can we align pharma and tech companies on the time it takes to develop digital measures compared to traditional drug development?

James Musick, Vice President & Head, Digital Transformation, Neurology, [UCB](#)

Rachel Sha, Vice President, Digital Business Development, [Sanofi](#)
Vaibhav Narayan, Vice President, Data Science, Neuroscience Therapeutic Area, [Janssen](#)
Lauren Li, Head, Digital Health, [Ipsen](#)
Jenny Barnett, Chief Scientific Officer, [Cambridge Cognition](#)

9:35am **Open Q&A with Speakers**

This is your chance to pose your burning questions to the expert speakers from the previous panel.

Actively or passively take part in this session.

James Musick, Vice President & Head, Digital Transformation, Neurology, [UCB](#)
Rachel Sha, Vice President, Digital Business Development, [Sanofi](#)
Vaibhav Narayan, Vice President, Data Science, Neuroscience Therapeutic Area, [Janssen](#)
Lauren Li, Head, Digital Health, [Ipsen](#)
Jenny Barnett, Chief Scientific Officer, [Cambridge Cognition](#)

9:55am **Wellness Break**

Get-up and have a stretch before the next session begins.

10:00am Panel Discussion & Interactive Q&A: **How Can we Ensure the Successful Commercialization of Digital Biomarkers and Measures?**

As the digital biomarker & measurement industry begins to grow, establishing the options available to commercialise these products is imperative for successful implementation. This multi stakeholder panel hears from a range of perspectives to discuss the successful commercialisation of digital biomarkers & measurements.

- What current business models are being pursued to commercialize digital biomarkers/measurements?
- What is the market available for biomarkers and measurements - who is the target buyer and who is going to be selling?
- When and how do we engage buyers in the commercialisation process?
- Where do payers and healthcare providers see the future of digital biomarkers and measures?
- Are tech companies that solely focus on digital biomarkers/measurements going to be commercially viable?

Through the online polling system, you can pose your questions directly to the experts and vote for which questions you'd like to hear.

Richie Bavasso, Chief Executive Officer, [nQ Medical](#)

Roozbeh Ghaffari, Co-Founder & Chief Executive Officer, [Epicore Biosystems](#)

Adam Gotlin, Vice President, Technology Partnerships, [Kaia Health](#)

Marcee Chmait, Head, Business Development & Partnerships, [Providence Health & Services](#)

Pavan Choksi, Investment Associate, [Arkitekt Ventures](#)

10:30am Optional Break

Catch-up on emails, let the dog out, brew some more coffee... use this time to take care of regular day-to-day life.

10:30am Open Q&A with Speakers

This is your chance to pose your burning questions to the expert speakers from the previous panel.

Actively or passively take part in this session.

Richie Bavasso, Chief Executive Officer, [nQ Medical](#)

Roozbeh Ghaffari, Co-Founder & Chief Executive Officer, [Epicore Biosystems](#)

Adam Gotlin, Vice President, Technology Partnerships, [Kaia Health](#)

Marcee Chmait, Head, Business Development & Partnerships, [Providence Health & Services](#)

Pavan Choksi, Investment Associate, [Arkitekt Ventures](#)

10:50pm **Wellness Break**

Get-up and have a stretch before the next session begins.

Location: **Stage**

Data Privacy & Security and Innovation

10:55am Presentation: **Defending the Impossible - IOT of Medical Devices.**

- How can our industry improve our approach to data privacy and security?
- We hear more about Biohacking village and the opportunities hacking can bring.

Nina Alli, Executive Director, [Biohacking Village](#)

11:20am **Wellness Break**

Get-up and have a stretch before the next session begins.

11:25am **Presentation: An in-depth look on Empatica's Digital Biomarker Development**

- Why build digital biomarkers? – Empatica's breakthrough development in the digital biomarker space
- How are biomarkers being developed? – A look inside Empatica's recent partnerships
- What's next in their biomarker pipeline?

Chelsea Trengrove, Director, Business Development, [Empatica](#)

11:50am **Wellness Break**

Get-up and have a stretch before the next session begins.

11:55am Presentation: **Enhancing Clinical Assessments and Home Monitoring with Wearable Motion Sensors**

- We learn more about the science behind highly accurate sensors for clinical assessments and home monitoring.
- An insight into Gait Up's sensors, algorithm and data solution for therapists and doctors in various mobility disorders.

Fabien Massé, Chief Technology Officer, [Gait Up](#)

12:20am **Wellness Break**

Get-up and have a stretch before the next session begins.

Location: **Sessions**

Looking Into The Future

Location: **Sessions**

12:25pm **Panel Discussion: What are the Next Steps for Digital Biomarkers and Digital Measurements?**

- What are the key challenges facing the industry that must be faced before digital biomarkers and digital measurements are fully integrated in everyday healthcare?
- What big changes need to occur to accommodate digital into a modern healthcare system?
- What are the biggest lessons we've learned so far in the development of digital health for healthcare and how can we ensure we apply these moving forward?
- What industries can we learn from while navigating this space?
- What key points would the panelists give the audience to aid them in their digital health endeavors?

Matteo Lai, Co-Founder & CEO, [Empatica](#)

Nina Alli, Executive Director, [Biohacking Village](#)

Nirmal Keshava, Vice President, [Cerevel Therapeutics](#)

Fabien Massé, Chief Technology Officer, [Gait Up](#)

1:10pm **Close of the Digital Biomarkers & Digital Measurements Summit**

Roll straight into the rest of your Wednesday, with no flight to catch!