

# THE FALL 2023 DIABETESMINE INNOVATION DAYS

Joan & Irwin Jacobs

In collaboration with **Center for Health Innovation**

AT UC SAN DIEGO HEALTH

## The DiabetesMine™ Innovation Summit

A Patient-Led Forum to Improve Tools & Care



**Nov. 9 & 10**  
**San Diego, CA**



MADE POSSIBLE BY:

**Dexcom**®

**embecta**™

**omnipod**

**TANDEM**  
Diabetes Care

*Lilly* | DIABETES

**glooko**

Glytec®

**nevro**

## Thursday, Nov. 9

## EVENT HOST

8:45 am	Welcoming Remarks Amy Tenderich, DiabetesMine
9:00	Opening Talk: #NeverStopInnovating Legendary inventor Dean Kamen, DEKA Research
9:50	2023 Featured Patient Voices (Video)
10:00	Networking Break
10:30	Featured Panel "GLP-1 USE IN TYPE 1 DIABETES: BREAKING NEW GROUND?"
11:45	"Empowering Endocrinologists + Value-Based Care" David Weingard, Valendo Health
12:15 pm	LUNCH
1:15	Featured Panel "HEALTH EQUITY CHANGE MAKERS: WHERE WE NEED TO GO"
2:15	"Embracing DEI in Real World Evidence Clinical Trials" Kendal Whitlock, Walgreens
2:45	A Diabetes Illustration Makeover for Inclusivity Ariel Sun & Mark Selander, Dexcom
3:20	Stretch Break
3:45	DIABETES ART WORKSHOP Expressing Chronic Illness in Imagery
5:20	Closing Remarks
5:30	Art Exhibit & Networking Reception



### AMY TENDERICH, DIABETESMINE

Amy is a journalist / blogger and nationally known patient advocate who hosts her own series of thought leadership events (the annual DiabetesMine Innovation Summit and biannual DiabetesMine D-Data ExChange) that bring patient entrepreneurs together with the medical establishment to accelerate change.

Amy was Founder and Editor-in-Chief of DiabetesMine.com, a leading online information destination for people with diabetes that she launched after her diagnosis with type 1 diabetes in 2003. From 2015–2022, DiabetesMine was part of San Francisco-based Healthline Media, where Amy also served as Editorial Director, Diabetes & Patient Advocacy.

Amy was one of the early pioneers in the Diabetes Online Community (DOC), and has conducted numerous patient community research projects that have appeared in peer-reviewed journals, including the Journal of Diabetes Science and Technology. She serves as an advisor to the RACES (Association of Diabetes Care and Education Specialists) in their Technology Workgroup Committee. In 2022, Amy was invited to be a judge for the Diabetes Center Berne's Open Innovation Challenge. And in 2023, she is co-hosting the new Diabetes TechUp podcast sponsored by Novo Nordisk.

Amy holds an MA in Communication Studies from UC Santa Barbara. She is a well-known public speaker at national diabetes, healthcare and health technology events. When not working, she enjoys hiking, cooking, aerobic workouts, and just about anything fun done under California sunshine.

# FEATURED SPEAKERS



## DEAN KAMEN, DEKA RESEARCH

Dean Kamen is an inventor, an entrepreneur, and a tireless advocate for science and technology. His roles as inventor and advocate are intertwined — his own passion for technology and its practical uses has driven his personal determination to spread the word about technology's virtues and by so doing to change the culture of the United States.

Dean is the founder and president of DEKA Research & Development Corporation. Examples of technologies developed by DEKA include the HomeChoice™ portable dialysis machine, the iBOT™ Mobility System, the Segway™ Human Transporter, a DARPA-funded robotic arm, a new and improved Stirling engine, and the Slingshot water purifier.

In addition to DEKA, one of Dean's proudest accomplishments is founding FIRST® (For Inspiration and Recognition of Science and Technology), an organization dedicated to motivating the next generation to understand, use and enjoy science and technology.

Dean has received many awards for his efforts. Notably, he was awarded the National Medal of Technology in 2000. Presented by President Clinton, this award was in recognition for inventions that have advanced medical care worldwide, and for innovative and imaginative leadership in awakening America to the excitement of science and technology.

Dean was elected a member of the National Academy of Engineering in 1997. He was awarded the Lemelson-MIT Prize in 2002, and was inducted into the National Inventors Hall of Fame in May 2005. He is a Fellow of the American Institute for Medical & Biological Engineering, as well as many other national and international engineering organizations.



## DR. VIRAL SHAH, BARBARA DAVIS CENTER FOR DIABETES

Dr. Shah is an Associate Professor at the Barbara Davis Center for Diabetes, University of Colorado Anschutz Medical Campus. His research is focused on improving glycemic control and reducing complications, with special interest in fracture prevention, in people with type 1 diabetes.

Dr. Shah has been the principal investigator for many clinical trials of diabetes technologies and therapeutics. He has been a part of many landmark researches that led to FDA approval of newer devices and changed the type 1 diabetes management. Moreover, his interest in understanding the effect of diabetes on bone fragility had led to NIH-funded studies investigating the effect of long-standing T1D on bone structural and tissue material properties in older adults with type 1 diabetes.

Dr. Shah has served in many leadership positions such as steering committee member for T1D Exchange Clinic Registry (2016–2017). He is currently serving as Chair-Elect, for the Diabetes Technology Interest Group and 83rd/84th Scientific Session Planning Committee at the American Diabetes Association and a writing committee member for the American College of Endocrinology Self-Assessment Program (2020–2022). He is the recipient of prestigious AACE Rising Star in Endocrinology Award (2021) and ADA Diabetes Technology Interest Group Award (2022).

He serves as the Editor-in-Chief for Clinical Diabetology, Senior Editor for the Endocrine Connections and on the Editorial Board for Diabetes Care. He is well published with over 150 research publications including original articles, invited reviews, editorials, and book chapters.



# FEATURED SPEAKERS



## DR. ANNE PETERS, USC KECK SCHOOL OF MEDICINE

Anne L. Peters, MD, is a professor at the Keck School of Medicine of the University of Southern California. She runs diabetes centers in Beverly Hills and in underserved East Los Angeles. In addition to her clinical work, she has been a PI on multiple grants and has written over 200 publications and 4 books.

Her major interests involve translating research findings, from lifestyle interventions to technology, to people with diabetes throughout the socioeconomic spectrum. She has been part of the writing groups for the ADA guidelines for the treatment of both type 1 and type 2 diabetes, was the Chair of the Endocrine Society Technology Guideline Writing Group and is a member of the EASD/ADA Device Safety committee.



## MOLLY MCELWEE MALLOY, LOCUS

Molly serves as the Vice President of Metabolic Health for Locus, where she is responsible for creating a suite of platforms to streamline the management of diabetes and overall metabolic health into the electronic health record.

Previously, Molly was the Senior Medical Science Liaison for Tandem Diabetes Care. Working in the Medical Affairs group, Molly focused on developing a deeper understanding of pump, CGM (continuous glucose monitoring) and AID (automated insulin delivery) therapy in insulin dependent diabetes for healthcare professionals. Before that role, Molly was the clinical outcomes manager for the Behavioral Sciences team with a focus on understanding post market data, human factors testing and developing teaching materials for automated insulin delivery systems.

Before Tandem, she was the Head of Patient Engagement and Director of Marketing for TypeZero Technologies, now a Dexcom company. Molly has served as a national spokesperson for the American Association of Diabetes Care and Education Specialists (ADCES) and the former chair of the Technology Workgroup for AADE which assisted in the development of DANA tech, a tool for diabetes educators on how to use technology in practice.



## BRANDON ARBITER, TIDEPOL

Brandon Arbiter is a founding team member at Tidepool, now serving as the organization's vice president of business development and strategic partnerships. Upon being diagnosed with T1D at age 27, Brandon applied his expertise developing data and decision support systems, becoming a quantified-selfer and diabetes app developer. He was among the first people to adopt and advocate for leading DIY technologies including NightScout, OpenAPS, and Loop.

In 2014, Brandon became the first person to livestream his continuous blood glucose during a competitive race when he connected Nightscout to his public blog during the San Francisco Half Marathon. In addition to his work at Tidepool, Brandon has served the diabetes community with roles on local Bay Area JDRF boards, the International Board of Directors for JDRF, and on the ADCES technology advisory committee. Brandon lives in Denver, CO, with his wife and their young son.



## DAVID WEINGARD, VALENDO HEALTH

David is a visionary and results-based entrepreneur, passionate about innovation, accelerating social impact and developing high performing teams and culture to build sustainable businesses.

As Chief Strategy Officer and member of the Valendo Health Founding Team, David is responsible for strategy, growth and customer success.

Diagnosed with type 1 diabetes at the age of 36, David left Microsoft and the tech world to create Cecelia Health to improve the health of people with diabetes. He bootstrapped the B2B digital health company that grew from a single therapeutic indication to a holistic, multi-chronic condition management platform which has improved the health of hundreds of thousands of people.

After moving into a role as Cecelia Health's Executive Chairman, David joined StartUp Health as Chief Impact Officer and launched a global Type 1 Diabetes Moonshot program to accelerate the growth of commercial diabetes innovation.

David is a husband, dad, endurance athlete (completing hundreds of running and triathlon races including 4 Ironman and over 40 Ironman 70.3 triathlon races). David also teaches the Mindfulness Based Stress Reduction (MBSR) curriculum, after being trained at Brown University.

# FEATURED SPEAKERS



## GWENDOLYN WOODY, COPPER AND GREENS

Gwen Woody is the founder of Copper and Greens, a public health consultancy that assists organizations in improving the quality of their communities with professional development, diversity, equity, and inclusion programming, and health education.

She is a highly esteemed nurse and certified nutritionist, renowned for her impactful podcast, Healthy DEI, dedicated to healthcare diversity, equity, and inclusion. With 13 years of nursing experience, Gwen passionately advocates for patients and clients, focusing on diabetes, chronic care management, and nutrition.

Gwen believes that we all have the right to the health that we desire. Her commitment to developing healthier communities has earned her a prestigious ACHI Magazine Award, honoring the contributions of extraordinary women working in various fields. She is also recognized by the CDC for her contributions to diabetes prevention. Her unwavering dedication to improving healthcare for all defines her purpose. Gwen is also the mother of two young men and enjoys museums, beaches, and cooking.

## VIVIAN AYUK, SOROGI HEALTH

Dr. Vivian Ayuk is the CEO and founder of Sorogi Inc. She is also an Alumna of the University of Minnesota College of Pharmacy with over 15 years of experience in chronic disease management.

She has led multiple successful pilot studies incorporating remote patient monitoring in diabetes management. As CEO of Sorogi, she has partnered with several Federally Qualified Health Centers (FQHCs) and Managed Care Organizations (MCOs) to implement Self-Measured Blood Pressure (SMBP) and Diabetes programs in Washington, DC, while addressing barriers to technology tools for African American and Latinx residents. Currently, she is leading the DC Health Capacity Building project to increase the number of community pharmacies able to offer Diabetes Self-Management Education and Support (DSMES) services to residents in underserved neighborhoods.

In addition to her work in the community, she is a member of the Adjunct Clinical Faculty at Notre Dame of Maryland School of Pharmacy and part of the Association of Diabetes Care and Education Specialists (ADCES) technology committee.



## MARSHALL CHIN, UNIV. OF CHICAGO BRIDGING THE GAP

Marshall Chin, MD, is a Richard Parrillo Family Distinguished Service Professor of Healthcare Ethics at the University of Chicago and a practicing general internist and health services researcher who has dedicated his career to advancing health equity through interventions at individual, organizational, community, and policy levels.

Through the Robert Wood Johnson Foundation Advancing Health Equity program, Dr. Chin collaborates with teams of state Medicaid agencies, Medicaid managed care organizations, frontline healthcare delivery organizations, and community-based organizations to implement payment reforms to support and incentivize care transformations that advance health equity.

He co-chairs the Centers for Medicare & Medicaid Services Health Care Payment Learning and Action Network Health Equity Advisory Team. Dr. Chin co-directs the Chicago Center for Diabetes Translation Research. He is Associate Director of the MacLean Center for Clinical Medical Ethics and applies ethical principles to reforms that advance health equity and discussions about advocating for patients.

Dr. Chin is a graduate of Harvard College and the University of California at San Francisco School of Medicine, and he completed residency and fellowship training in general internal medicine at Brigham and Women's Hospital, Harvard Medical School. He is a former President of the Society of General Internal Medicine. Dr. Chin was elected to the National Academy of Medicine in 2017.

# FEATURED SPEAKERS



## ANNA NORTON, NATIONAL MINORITY QUALITY FORUM

Anna Norton, MS, is the Vice President for Community Engagement within the Center for Sustainable Health Care Quality and Equity (SHC) at the National Minority Quality Forum (NMQF), where she provides strategic leadership in SHC's clinical and community-based programs, including the DRIVE quality improvement education program, the Faith Health Alliance, HAIR Wellness Warriors, and Community Pharmacists Ambassadors program, along with the Health Champions program. These efforts focus on diabetes and other health areas critical to underserved communities of color, including health promotion, disease prevention, and chronic disease management.

Anna has over 25 years of experience as an advocate, fundraiser, speaker, and leader in the non-profit sector. Prior to joining NMQF, Anna served as the Chief Executive Officer of DiabetesSisters, the only national organization focusing exclusively on the improvement of the health and quality of life of women living with and at risk of diabetes. In that role, she was able to develop diverse programming to reach women of color with vital information about diabetes, and put opportunities in place to drive research and collaboration in diabetes, heart disease and kidney disease and establish new relationships with relevant partners.

Anna is bilingual and a certified DEI professional, having worked in strategic development, leadership and volunteer management, event planning and fund-raising in a variety of health and social responsibility programs.



## KENDAL WHITLOCK, WALGREENS

Kendal Whitlock is the Head of Digital Optimization, RWE Clinical Trials, with Walgreens. This role leverages data assets and partnerships to advance culturally responsive approaches to clinical research.

In her role, Ms. Whitlock focuses on digital, educational, and community-based solutions to drive access to clinical trials, enabling opportunities that are flexible and convenient for participants.

Ms. Whitlock brings nearly 25 years of pharmaceutical industry experience to this new role. She is a thought leader who advocates for digital literacy, health equity, and patient empowerment by applying data-driven methods to customize approaches that address patient/community unmet needs.

Ms. Whitlock holds a Master of Public Health degree in Sociomedical Sciences from Columbia University (New York, NY) and is currently working toward a doctorate. She earned a BA with honors from Spelman College (Atlanta, GA).



## ARIEL SUN, DEXCOM

Ariel Sun is a visual designer who leads the illustration and animation function on the Product Design team at Dexcom. She infuses inclusive storytelling into designing product experience in diabetes. Ariel is passionate about applying technology for good, and designing for social impact. In her spare time, she enjoys traveling, music, and creative cuisines.



# FEATURED SPEAKERS



## MARK SELANDER, DEXCOM

Mark Selander is the Senior Industrial Design Manager at Dexcom. He believes that medical devices can be both clinically functional while also supporting the human experience of every patient. He was integral to launching the new illustration initiative within Dexcom to offer clear product instruction while celebrating a warmth and inclusiveness for all of Dexcom's users. His background in industrial design includes medical, consumer, service, and entertainment products. This has led to a blended focus on practical human centered product development with an equal emphasis on creating compelling and dynamic experiences. His work history has spanned Microsoft Device Groups, Xbox, and Microsoft Inclusive Design Group, Nordstrom Innovation Labs, multiple product and brand agencies, independent consulting, and numerous teaching and speaking engagements related to product design.

# FEATURED ARTISTS



## APPLETON

Appleton is an artist and photographer who has created art, images and sculptures for over 40 years.

After attending Boston University, studying art and photography, Appleton moved to New York. The ever-changing landscape of people and places would become the inspirational footnote for much of his early documentary work — specifically with the West Side Highline before its massive makeover.

The old rusted tracks and overgrown grass — bright open and vast would become negatives that would eventually fill a few three-ring binders. A love of industrial objects — the lost and found — would become the work, the sculptures.

Appleton's work takes the ordinary, often overlooked image — the ones you walk past every day — to another place and time, bringing these images to their rightful, final resting places. He currently incorporates much of his recent work to help promote diabetes awareness.

After surviving a diabetic coma at the age of six, Appleton began to collect almost every insulin bottle that has gone through his system, amounting to hundreds of bottles, faded syringes and old blood strips — all reminders of his survival through the years. With no cure in sight, Appleton's mission is to spread and raise awareness of diabetes through his art.

## GINA PILLINA

Gina Anzures, artistically known as Gina Pillina, is a Mexican illustrator and comic artist who loves to tell entertaining and funny stories through charming characters and colorful palettes. Her character designs have simple shapes but are still dynamic and expressive. Gina draws comic strips as well, in which she informs in a humorous way about type 1 diabetes with her cute namesake character Gina Pillina.

Diabetes is a common topic in her works of art, since she lives with diabetes herself, she is spreading awareness and bringing support in a funny way. Humor helps information to stay longer in the mind, making it a great learning tool.



Gina has recently finished her Master's of Fine Arts in Illustration at Savannah College of Art and Design, Atlanta. She did her bachelor's degree in graphic design at Universidad Anáhuac Puebla-México and completed a master's degree in 3D animation at Coco School, Spain. Her work has been awarded by the famous Mexican contest a! Diseño, and Ascencia Diabetes Care.

Gina's illustrations are fun and evoke happiness, always pumping up her audience!

## MO REGULINSKI

Diagnosed with type 1 diabetes at age 3, Mo continues to hold the belief that a simple cure will be discovered. Mo combines art, creative process and belief systems to understand and reinterpret well-being. By creating wearable art representing life with this chronic health condition, she creates a platform for open discussion to look at big challenges and create space for beautiful transformations.

Mo's 'Regalia' series is embellished with her own sanitized type 1 diabetes medical disposables. Each piece is a visual narrative on the impact chronic health has on the body. She has worked with VCU Health Department of Endocrinology, the Virginia Commission for the Arts, Bon Secours Mercy Health, the Virginia Museum of Fine Arts, the National Academy of Medicine, and the American Diabetes Association presenting exhibitions and programs that integrate art and well-being. She is an accomplished public speaker, offering classes, workshops, presentations and exhibits.

Engaging persons in the creative process to embrace self-empowered wellness through art, introspection and connection is her goal. Mo is an artist, Family Constellation facilitator and Ro-Hun therapist. She received her MFA from The University of Southern California. She is an ordained reverend in Healing Arts through Delphi University. Her company is AHAA: Affirmative Health & Arts Alliances, LLC.





## DIANA AGUILERA

Diana lives with type 1 diabetes and aims to combine her personal experiences with her professional aspirations. She holds a Master's degree in Public Health with a focus on Community Oriented Primary Care, as well as a Master's degree in Public Policy with a specialization in Immigration Policy from George Washington University. Her main goal is to advocate for health policies that serve the needs of immigrant communities.

Diana is passionate about addressing the injustices in accessing affordable and high-quality healthcare for immigrants. She also actively promotes immigrant health literacy and works towards improving the health of U.S. immigrant populations affected by immigration-related factors.

## IMAN AWAN

Iman is a 4th year medical student in Florida as well as a person with diabetes. She was diagnosed with type 1 diabetes in 2012 during high school, and used insulin pens for 5 years until college, when she realized that using advanced technology would be much better for her health and switched to an insulin pump. Since then, she has proudly worn her pump and loves answering any questions that come her way, whether from strangers, fellow medical students, or even patients that she takes care of in the hospital.

As a healthcare provider living with diabetes, Iman believes she has a unique perspective when it comes to patient care. She has witnessed first-hand how diabetes affects individuals and the challenges that exist within the current healthcare system. More importantly, she is able to connect with others with diabetes and advocate for them as someone who has the same struggles. She feels blessed to have been chosen to receive a Patient Voices Scholarship to the Fall 2023 DiabetesMine Innovation Days and is excited to see how we will change the future of PWDs.



## LUCÍA FEITO ALLONCA

Diagnosed with type 1 diabetes more than three decades ago in 1992, Lucía is a dedicated advocate, communicator and diabetes educator, proud member of the Blue Circle Voices for the International Diabetes Federation, #dedoc° and ISPAD (International Society for Pediatric and Adolescent Diabetes).

As a dual Spanish and Argentine citizen with a cosmopolitan spirit, her passion for improving diabetes care transcends borders.

Armed with a Bachelor's degree in Law, specializing in healthcare and patient rights, she commits to upholding human rights, particularly the right to health and life, and firmly believes in the relentless pursuit of the best possible treatment for all affected by NCDs.

Her interests and areas of focus encompass, among others, meaningful engagement of individuals living with NCDs, recognizing their irreplaceable expertise in shaping the processes that impact their lives, and digital health, envisioning how digital innovations can revolutionize patient care and support.



## GAIL DEVORE

Gail DeVore has been an advocate for PWDs ever since she was diagnosed with T1D in 1972. She credits her good health after 50+ years by staying abreast of the treatment options. She uses DIY solutions and currently utilizes all the features of iAPS.

As an advocate, Gail has been specifically focused on health equity for all. She was instrumental in creating the Colorado insulin copay-cap law and in passing the Colorado version of the Alec Smith safety net program. Together, these laws make insulin available and affordable for all needing insulin in Colorado, regardless of insurance status. In 2021, Gail was invited to meet one-on-one with President Biden to discuss the need for insulin price controls under Medicare, which Biden included in the now-enacted Inflation Reduction Act.

Gail was recently appointed by the Governor of Colorado to fill the Patient Advocate seat on the Prescription Drug Affordability Advisory Council. Last year, Gail was a member of the national iCode project to design data standards for integrating CGM data into EHRs. Gail also serves on the JDRF-Mountain West Chapter Board, was a founding member of the Nightscout Foundation board, and volunteers with several other non-T1D organizations.

In addition to her advocacy, Ms. DeVore owns an IT company that supports CiviCRM database solutions for NPOs. Gail lives in Denver with her spouse and their two dogs. And, she is always interested in identifying more ways to assist people across all walks of life and locations.



## LAQUANDA LOCKHART

LaQuanda L. Lockhart is a science teacher who teaches general science to 6th and 7th grade students at Leland School Park in Leland, Mississippi. She believes that when people are exposed to different issues and topics throughout their community and beyond, there is a mutual understanding and it helps to better serve those individuals who may need assistance.

In addition to being committed to several teams for her school, LaQuanda is the proud mom of two boys, one of whom has type 1 diabetes. She has been honored and privileged to acquire and become more knowledgeable about diabetes by attending various diabetes conferences and seminars throughout the country.

LaQuanda holds a BS in Sociology from Mississippi College and Master's Degrees in Healthcare Administration and Teaching from Belhaven University.



## KERRY MURPHY

Kerry Murphy is a passionate advocate for students with T1D dedicated to ensuring their medical safety and access to a Free Appropriate Public Education. In 1996, Kerry left Monterey, CA, to earn her Bachelor of Science degree in Psychology at University of Mary Washington (UMW), where she also met her husband and his 14-year-old sister, who had been diagnosed T1D two years prior. A decade into their marriage, her husband was diagnosed at age 37, and familial T1D diagnoses only continued, with their niece at 2 (now 11), their daughter at 3 (now 9), and both sons, aged 17 and 20, recently testing positive for T1D antibodies.

During the pandemic Kerry immersed herself in DIY Loop and was one of few people experimenting with remote bolus/carb features before their release. As the founder of FOLLOWT1Ds, Kerry has united parents nationwide to safeguard the rights of T1D students in public schools under the federal law. Currently, FOLLOWT1Ds aims to remind schools of their obligation to modify any policies which may hinder them from providing a device and using apps to follow CGMs of students with T1D.

Kerry's difficulties with her daughter's school care ignited her commitment to advocate for all T1Ds. This extends beyond her experiences as she tirelessly represents T1D parents nationwide, striving to eliminate care disparities between states. Her educational background and personal experiences equip her with a profound understanding of T1D's psychological and practical aspects. She empathizes with the challenges and fears that families like hers encounter, translating that empathy into meaningful action.



## MAGNUS REINTZ

Magnus is a 43-year-old advocate for those living with type 1 diabetes. Diagnosed at age 14, he brings a wealth of personal experience to the community. Happily married and the proud father of two energetic boys, Magnus understands the importance of a healthy and active lifestyle.

For the past four years, Magnus has successfully managed his diabetes through a DIY loop system, a transition inspired by his own journey with severe hypos while using a standard insulin pump. He has thoroughly explored and tested various systems, including AndroidAPS, Loop, and iAPS. Recognizing the need for accessibility, Magnus took the initiative to translate all three platforms into Norwegian, making them more readily available to users in his home country.

Magnus is deeply committed to supporting others in the diabetes community. He runs the iAPS Facebook support group and hosts live Loop & Learn sessions with fellow iAPS enthusiasts. Together, they provide invaluable assistance and foster a sense of community for users navigating the complexities of DIY looping.





## ADRIANA RICHARD

Passionate, persuasive, and powerful are three of many words that describe Adriana Richard. Adriana is a college student aspiring towards being a nonprofit leader in the diabetes industry. Currently a cofounder of the worldwide T1D support group "T1D To The Third" that provides monthly age group meetings for ages 4-18, she is working to break the stigma and improve the isolation that children living with an autoimmune disorder face.

Adriana has a long list of accomplishments at such a young age: outside of leading a Tedx Talk and being a twice-published author, she has also testified at a congressional hearing in Washington, D.C., lobbying for renewal of the Special Diabetes Program and co-hosted a virtual event with Nick Jonas.

When Adriana isn't leading a Zoom call or working with members of Congress, you can find her playing with her three dogs or coaching at her local elementary school's "Girls On The Run." At just 20 years old Adriana is already an influential advocate for diabetes awareness and empowerment, and will be a force to reckon with as she drives for positive change in the diabetes community.

## SA'RA SKIPPER

Sa'Ra is a national type 1 diabetes patient advocate who has lived with T1D since the age of 5. After rationing and sharing insulin with her sister who also lives with T1D, Sa'Ra became vocal about the need for the affordability of insulin. Since becoming an advocate she has testified in front of the United States Committee on Oversight and Reform and in 2021 met with current President of the United States Joe Biden.



## TREVOR WILLIAMS

Trevor Williams is originally from Jackson, Mississippi, but has been living in Houston, Texas, for the past nine years. He graduated from the University of Mississippi with both a Bachelor's and a Master's degree in Business Administration. In 2019, he started a career in public education. He is currently a grade-level principal in the Spring Independent School District in Spring, Texas.

Due to his love for travel, he started his own business, Book and Bag Travel, a travel agency that focuses on romance and group travel. He has been fortunate to plan weddings all over the Caribbean and Mexico and help people travel all around the world. He has been recognized as a top travel agency owner, and featured in magazines like the Huffington Post. He was also recognized as a Top 30 Under 30 Travel Agent in 2018.

In 2009, Trevor was diagnosed with type 1 diabetes, which was probably the toughest life adjustment he's had to make. It was a tough time for him and his family because he had never been seriously ill before, and no one in his family had any serious health issues. He has become a big supporter of T1D awareness by participating in fundraising efforts with the JDRF, and also spent summers as a camp counselor for the American Diabetes Association. He is excited to continue his advocacy and awareness efforts for T1D.



NOVEMBER 10





# AGENDA



## Friday, Nov. 10

8:45 am	Welcome to #DData2023 <a href="#">Amy Tenderich, DiabetesMine</a>
9:00	"Investment & Impact: What it Takes to Make a T1D Startup Succeed" <a href="#">Craig Cooper, Diabetes Venture Fund</a> & <a href="#">Claudia Graham, former Dexcom</a>
9:45	Featured DIYer: "Fully Closed Loop Systems: (How Soon) Can We Get There?" <a href="#">Tim Gunn, Nascence Biomed</a>
10:15	"Software As a Medical Device: What Diabetes Innovators Should Know" <a href="#">Prabhu Raghavan, MDQR Solutions</a>
10:45	Networking Break
11:15	Featured Panel: "THE END OF CARB COUNTING: HOW AUTOMATED MEAL MANAGEMENT IS GETTING REAL"
12:15 pm	LUNCH
1:15	WORKSHOP: The Future of CGM in Healthcare <a href="#">Heidi Rataj, UCSD Center for Health Innovation</a>
2:45	"Keeping Diabetes Open Source Innovation Alive" <a href="#">Ben West, T1Pal</a>
3:10	Round 1 Demos <a href="#">Medtronic 780G</a>   <a href="#">iAPS</a>   <a href="#">Genomelink</a> <a href="#">Laxmi Therapeutics</a>   <a href="#">Xplosion Tech</a>
4:10	Stretch Break
4:30	Round 2 Demos <a href="#">enhance-d</a>   <a href="#">In-Range Animation</a>   <a href="#">Minutia</a> <a href="#">Tandem Mobi</a>   <a href="#">Insulet Omnipod Go</a>
5:30	Closing Remarks
5:40	Networking Mixer

## FEATURED SPEAKERS



### CRAIG COOPER, DIABETES VENTURE FUND

Craig leads the Swiss Diabetes Venture Fund, the first fund dedicated to early stage diabetes technology, bringing together a unique constellation of partners to invest with impact globally in exceptional startups across all areas of diabetes and related healthcare. Having launched in 2021, our diverse medtech and digital health portfolio continues to take shape. The fund leverages the know-how and networks of Serpentine Ventures and the Diabetes Center Berne (DCB), a global center for technology innovation in diabetes, enabling us to give innovative startups unique support.

Craig previously ran the impact investment arm of a leading medical foundation, investing in disruptive innovation worldwide, and for most of his career has worked in and around healthcare. He has spent over 25 years leading projects across Europe, the Middle East, Africa, Asia and the Americas, based out of London, Warsaw, Copenhagen, Hong Kong and now Zurich. He is a mentor and coach at the healthcare arm of the European Institute of Innovation & Technology, board member, and advisor on raising capital and going to market.





### CLAUDIA GRAHAM, FORMER DEXCOM

Claudia Graham, PhD, MPH, is the former Senior Vice President of Global Access at Dexcom. Claudia joined Dexcom as Vice President of Marketing in 2008, and subsequently developed the role of global access in 2013. In this role, she has navigated the complexities of the US Medicare and healthcare systems, using health economics and outcomes research to define a strategy for reimbursement and has made significant inroads to improving access for diabetes technologies for patients and physicians both domestically and internationally. Her current breadth of work includes government affairs, health economics and outcomes research, and advocacy initiatives.

Prior to Dexcom, she was Vice President of Marketing & Product Development at MiniMed, and subsequently served as Vice President of Global Therapy Access at Medtronic Diabetes. Before working in the medical device sector, she was Director of Marketing and Business Development for Parke-Davis pharmaceuticals, a division of Warner Lambert.

Claudia has also been a member of various national and local advisory boards serving the medical community. She has been on the International Board of Directors of JDRF since 2019, she currently serves on the Research Committee and is the Chair of the Advocacy & Impact Committee. In addition, she serves on the Advisory Board for Spotlight, and the Impact Board for the T1D Moonshot with StartUp Health. In addition to her nonprofit volunteer work, she remains professionally active in the diabetes medical community, having published and presented numerous articles at scientific conferences worldwide.

She received her bachelor's degree and her PhD from the University of Southern California and received her postdoctoral MPH from the University of California, Los Angeles.



### TIM GUNN, NASCENCE BIOMED

Diagnosed in 1997 with type 1 diabetes, Tim has been involved in the DIY and #WeAreNotWaiting communities for 6+ years. In that time he has set up a registered charity Nightscout New Zealand for the avocation of technology to get better health outcomes in his home country, New Zealand.

In 2020/21 Tim was involved in developing the app and technology stack in the world's first RCT DIY AID trial called CREATE. He is now involved in further clinical AID studies and app development. He is an active contributor to the open source AndroidAPS Project. Having been on DIY automated insulin delivery for 5+ years he states that he "wouldn't look back" and it has "changed his life."

Tim serves as joint chief of staff at Nascence Biomed, where he researches the development and improvement of open source automated insulin delivery algorithms and applications. This work will culminate to the next generation of what can be possible with open source AID.



### PRABHU RAGHAVAN, MDR SOLUTIONS

Prabhu Raghavan is a quality and regulatory professional with over 20 years of experience in medical devices and has held senior leadership positions in both startups and large organizations. Former employers include AliveCor, Jan Medical, Stryker Corp., and Bell Laboratories.

As the principal of MDQR, LLC, a Silicon Valley-based consulting firm, he provides strategic and operational consulting in regulatory affairs, quality assurance, and supplier management for medical device companies. Prabhu is also an instructor for regulatory affairs at University of California Santa Cruz.



### NATALIE BELLINI, UNIVERSITY HOSPITALS

Natalie Bellini, DNP, FNP-BC, BC-ADM, CDCES is an Assistant Professor of Medicine at Case Western Reserve University and The Program Director for Diabetes Technology at University Hospitals in Cleveland, Ohio. Dr. Bellini earned her bachelor's degree in nursing from Drexel University and Family Nurse Practitioner and Doctor of Nursing Practice from D'Youville University. She holds board certifications as a family nurse practitioner and in advanced diabetes management.

Natalie has published studies on topics including the use of GLP-1 agonists in patients with type 1 diabetes as well as the use of technology in diabetes management. She has been a speaker nationally and internationally regarding diabetes management and the impact of technology on diabetes care and outcomes.

Natalie co-hosts podcast Diabetes Dialogue: Technology, Therapeutics, & Real World Perspectives with colleague Diana Isaacs, PharmD, BCPS, BCACP, BC-ADM, CDCES, through HCPLive at <https://www.hcplive.com/clinical/endocrinology>.

### TIM STREET, DIABETTECH

Tim has lived with type 1 diabetes for 35 years. In that time he's never been one to let it get in his way, and has played cricket, run half marathons, traveled the world and generally enjoyed life. He has always been a technophile and was aware of CGM systems in their early days, however was always put off by the price.

When Abbott released the Libre, Tim saw it as an opportunity to get better information about his diabetes at a cost that he could afford. He discovered OpenAPS and the #WeAreNotWaiting movement in 2015, and, excited at what he saw, joined in.

He has run the website [www.diabettech.com](http://www.diabettech.com) in his spare time since then, looking at technology and treatments for type 1 and undertaking n=1 observational studies of the data that all the systems he uses generate, to gain insights into himself and how the systems interact with diabetes and to help others make better decisions.

Tim has also spoken at a number of events to help publicize the benefits of DIY artificial pancreas systems and currently sits on the Diabetes Technology Network committee in the UK as an "Expert by Experience."



### CLARA MOSQUERA-LOPEZ, AIMS LAB, OREGON HEALTH & SCIENCE UNIVERSITY

Dr. Clara Mosquera-Lopez is currently an Assistant Professor and member of the Artificial Intelligence for Medical Systems (AIMS) Laboratory in the Department of Biomedical Engineering (BME), School of Medicine at Oregon Health & Science University (OHSU). Her research interests are within the general field of Computational Biology, and her current research focuses on data-driven modeling for developing and translating smart biosensors, AI-based decision support systems, and AI-augmented drug delivery systems with focus on management of type 1 diabetes.

Prior to joining the AIMS Lab in the BME Department at OHSU, Dr. Mosquera-Lopez was a Senior Imaging Scientist at Intel Corporation. She holds a PhD in Electrical Engineering from the University of Texas at San Antonio.



### HEIDI RATAJ, CENTER FOR HEALTH INNOVATION, UC SAN DIEGO HEALTH

Heidi Rataj is a program director who leads the design and strategy at the Center for Health Innovation at UC San Diego Health. She focuses on putting humans at the center of her design thinking process towards adapting, developing and implementing innovative health technologies for our UC San Diego Health system and beyond. Her latest work focuses on developing a CGM Collaboration Initiative to promote the adoption of CGMs; aimed at implementing and validating a re-designed care experience for patients with diabetes enabled by real-time EHR data integration.



## BEN WEST, T1PAL

Ben West is a recognized figure in the diabetes technology arena, known for his significant contributions that have reshaped the field. Co-founding Nightscout and OpenAPS, his technical prowess was evident in his work on projects such as insulaudit and decocare, where he successfully reversed Medtronic insulin pump communication protocols. This foundational work laid the groundwork for the OpenAPS movement and, subsequently, the development of the Loop interface and algorithm, marking a pivotal step forward in automated insulin delivery systems.

Ben's impact extended beyond open source initiatives during his tenure at Dexcom from 2016 to 2020. His strategic insights contributed to the enhancement of Dexcom's G7 platform, including the development of features like the "grace period" and "seamless transition," reflecting his commitment to improving patient experiences through innovative technology solutions.

Ben is currently CEO of Medical Data Networks, LLC, that runs T1Pal.com, a hosted Nightscout-as-a-service solution that integrates with T1Pal Loop.

## DEMO COMPANIES



### MEDTRONIC 780G – MEAL DETECTION

Meet the MiniMed™ 780G System: The world's first insulin pump with Meal Detection™ technology featuring 5-minute auto corrections. Mealtimes prove to be one of the biggest challenges for people living with type 1 diabetes, and despite rapid adoption of CGM over the past decade, less than 30% of patients who use CGM achieve glycemic targets.

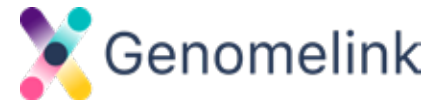
The MiniMed™ 780G system addresses this through automatic, real-time insulin corrections, leading to greater than 90% of system users achieving or exceeding glycemic targets. The MiniMed™ 780G system is designed for real life — the algorithm adapts to the user and helps compensate for everyday challenges that are quite common around mealtimes, like occasionally forgetting to bolus or miscalculating carbs. Medtronic built in features informed by extensive customer feedback and has delivered a system with ease of use at the forefront. In fact, 94% of users say they're satisfied with the impact the system has on their quality of life.



### IAPS

iAPS is an open-source, closed-loop insulin dosing system based on the OpenAPS algorithm but built on the iOS platform. Using the settings you input, carbohydrates, and historical data, it aims to fully automate insulin delivery to reduce the time you spend managing your diabetes.





## GENOMELINK

Genomelink is a genetic testing company building new genetic testing that can accurately distinguish between type 1 and type 2 diabetes (specifically, adult-onset type 1 diabetes and type 2 diabetes). It supports the right diagnosis of adult-onset T1D, which is frequently misclassified as T2D.

This "surprisingly common" misclassification stems from the lack of a definitive tool to distinguish these two forms, and our mission is to solve that issue by applying a new genetic prediction model called Polygenic Risk Score. We built a genetic model using Genomelink's 1 million DNA database, and it shows very accurate predictive power. Our genetic testing will provide an accessible, cost-efficient, and accurate tool to support the right diagnosis for adult-onset type 1 diabetes.

We are backed by organizations like SONY, Y Combinator, and Berkeley Skydeck — a UC Berkeley-affiliated startup accelerator. As a genetic testing company, we have made a successful business in the consumer genomics space and recently shifted our focus and ventured into the diabetes diagnostic space.



## LAXMI THERAPEUTICS

Laxmi, headquartered in California, is a pioneering diabetes technology company dedicated to advancing the field of continuous glucose monitoring (CGM) for individuals with diabetes with a new cutting-edge and highly precise device.

At the core of Laxmi's innovation is a proprietary sensor designed to measure glucose levels within the dermis, rather than the deeper subcutaneous layers traditionally targeted by CGMs. This approach has the potential to shake up diabetes management by offering more accurate and real-time glucose data.

Laxmi has also prioritized user-friendliness, developing an intuitive mobile app that allows patients to easily access and interpret their glucose measurements.

The company recently achieved a significant milestone by completing an 8-hour dermal in vivo IRB trial in Q1 of 2023, demonstrating the feasibility and safety of their innovative CGM system. Currently, they are in the midst of a 7-day IRB study involving up to 50 participants, with promising initial results.



### XPLOSION TECHNOLOGY – GREENS APP

At Xplosion Technology, our mission is to transform diabetes management for Medicaid adolescents and their families. The Greens app lies at the heart of our approach, addressing health literacy and medication adherence challenges among this demographic.

Unlike conventional diabetes apps, the Greens app is proactive in its outreach, anticipating the needs of its users. It all begins with natural chat conversations that are culturally-sensitive and personalized, thanks to advanced AI technology. Users can discuss their meals and treatment hurdles in a friend-like manner. In response, the app provides visual aids and prompts that simplify nutritional comprehension, problem-solving, and insulin planning.

The Greens app goes beyond dietary guidance; it also fosters an empathetic community, offering anonymous compliments and family encouragement to alleviate diabetic distress.

Our focus extends to underserved communities, with Greens not only supporting a diabetes-friendly diet but also creating a supportive ecosystem. The app collects food and medication adherence data, shareable with managed care organizations (MCOs) to bolster quality incentives and value-based programs.



### ENHANCE-D

Wearable devices that can monitor exercise, sleep, nutrition, stress and more have become increasingly popular. Meanwhile, continuous glucose monitoring (CGM) systems have become increasingly affordable, accurate, and accessible.

Yet amid these technological advancements lies a challenge. The complexity of data collected can be overwhelming, and difficult for users to interpret without proper context and guidance.

The enhance-d online dashboard and mobile app aims to facilitate safe exercise and T1D management through comprehensive data analysis and user empowerment.

Our platform:

- Aggregates data from wearables like fitness trackers, smartwatches, and CGM for comprehensive health insights.
- Acts as a unified hub, streamlining data access and enhancing user experience.
- Offers context and guidance through visualizations, highlighting trends and suggesting exercise-related decisions.
- Prioritizes user-friendly design, simplifying navigation through interactive elements.



### IN-RANGE ANIMATION

At In-Range Animation, we make diabetes visible by combining our passion and expertise in animation with our firsthand experience living with type 1 diabetes. We are developing a catalog of app-based, animated micro-learning videos that address the unmet needs of time, access, customization, equity and engagement regarding diabetes education. While patients and families will be able to access both foundational and cutting edge diabetes education on demand, providers and educators will be allowed more time to create individualized management goals and needs.

Micro-learning animations are short, concise, readily available videos that simplify a complex issue. A study published in the National Institute of Health Journal verifies that animations positively impact patients' knowledge, attitudes, cognition, and behavior. Our research-based approach will reach individuals with limited access to care, overburdened hospitals and clinics, and caregivers who feel unsure of how to support their loved one.



### MINUTIA

Minutia is working on a transplant of cells fused with sensors to serve as a functional cure for type 1 diabetes. Minutia's subcutaneous transplant of immune evasive insulin-producing cells delivered through a simple procedure and customized for safety and engraftment success, enabled by our proprietary cell-sensing platform.

This is a product that people at Minutia are confident to put in our own bodies and the bodies of people we love. Based on foundational tech from UC San Francisco and Duke University, the company has demonstrated the efficacy of our robust insulin-producing cells and de-risked our sensing platform in animal models and has a proof-of-concept of our transplant protocol in a PI-led Phase 1/2 clinical trial at UCSF.



### TANDEM MOBI

Tandem Mobi is the world's smallest, durable automated insulin delivery system. It's so small that it can be worn almost anywhere, giving you greater discretion, comfort, and options for how you manage your diabetes. Wear it on-body with an easy-to-use adhesive sleeve (sold separately), clip it discreetly to your clothes, or slip it into the coin pocket of your jeans. (Yes, the Tandem Mobi system is that small!)



### INSULET OMNIPOD GO

Omnipod GO is a standalone, wearable, insulin delivery system that provides a fixed rate of continuous rapid-acting insulin for 72 hours. The newest addition to the Omnipod brand features a tubeless and waterproof Pod which is offered in seven different pre-programmed daily rates, ranging from 10 to 40 units per day, and operates without the need for a handheld device to control the Pod. It has been FDA cleared for use with the following U-100 insulins: NovoLog®, Fiasp®, Humalog®, Admelog®, and Lyumjev®.

The product was developed to serve people with type 2 diabetes earlier in their treatment journey by starting them on Pod therapy for their insulin delivery, rather than daily injections. If a patient becomes insulin-intensive, meaning they require both basal and bolus insulin, the transition to another Omnipod product would be seamless. Insulet developed Omnipod GO with convenience in mind for both the primary care physician and the user, including prescribing, getting started, training and using the product.



MADE POSSIBLE BY:

# Dexcom®

*Lilly* | DIABETES

