☰ DCB Open Innovation Challenge 2024

Meet our top 20 start-ups of 2024!

DCB Global Center for Technology Innovation in Diabetes

DIABETES TECHNOLOGY SOCIETY
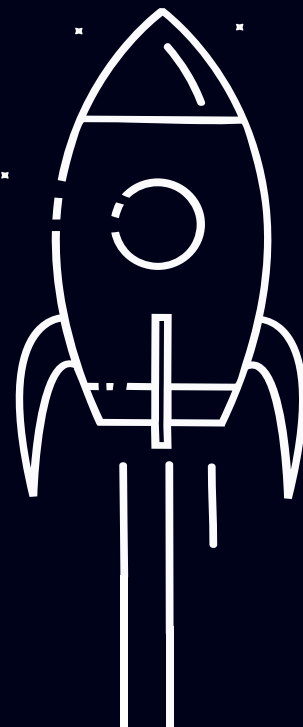
Hema Mandlekar (US): LumosFit

LumosFit is developing a band for smartwatches that is capable of measuring glucose truly non-invasively and affordably using AI models with a mission to reverse prediabetes and reduce diabetes risk.

Catarina Sofia Machado Pires (PT): GoGlico

GoGlico is a hands-free and waterproof class 1 medical device to correct hypoglycaemias in an extremely quick and effective way, in any environment, preventing people from putting their life at risk.

Yuta Matsuda (US): Innovative DNA Testing

A New Horizon in Type 1 Diabetes Diagnosis: Misdiagnosis between T1D and T2D is common due to a lack of accessible diagnostic methods. Our new DNA test offers a more accessible and accurate tool for the right diagnosis.

Tim Gunn (AUS): Nascense

Our goal is to commercialise an Autonomous Automated Insulin Delivery (AAID) app using the OpenAPS "oref" algorithm. We already have an app which has been proceeding through multiple clinical trials. We aim to navigate regulatory processes to improve diabetes management, utilising data from clinical trials.

Thiago Mota Soares (BR): Diabetech+ IA

AI in glucose monitoring analyzes data 24/7, detects events, and generates insights. Empowers patients, offers emotional support, and allows precise medical adjustments, improving treatment decisions.

Andrew Wilson (US): Insutiv

A pioneering self-management app for type 1 diabetes redirecting the narrative from a glucose-centric debate to one which focuses on tackling the underlying pathological driver of diabetes management and long-term health.

Jorge Bondia (ES): AMIC Health

AMIC Health is a digital ecosystem for the health care professional to educate children with type 1 diabetes through safe experimentation with gamified diabetes simulators and quantify effectiveness.

Frédérik Plourde (CH): Neuria

Neuria's gamified solution offers an evidence-based neurocognitive digital therapeutic that restores healthy consumption behaviors without awareness. Tested in 500+ patients, it leverages brain plasticity and reduces cravings by 20%, consumption by 25%, and weight by 2-3% after a 15-hour intervention.

Monika Fetingyte (LT): Diawiser

AI-powered therapeutic diabetes app: personalized, dynamic health support with Virtual Health Twins & behavioral interventions. Expert resources shaped by firsthand experience for informed decisions.

Miriam Galbiati (DK): Glaze

We are developing a non-invasive pocket-sized device to measure blood glucose. No more needles nor strips, making everyday life of people living with diabetes pain-free, simpler and less intrusive.

Muhammad Mujeeb-U-Rahman (US): CGM+

CGM+: A new diabetes monitoring platform that uses semiconductors and nanotech to enable the world's smallest minimally invasive, digital, multi-analyte sensor and an ultra-small wearable transmitter.

Pedro Luis Navarro Gómez (ES/CH): Glucube

A continuous non-invasive and reusable glucose meter that consolidates all hospitalized patients monitoring information into a centralized dashboard.

Christine Brännvall (SE): Insulin resistance

An app feature that uses lactate measurement to estimate your insulin resistance in relation to physical activity, CGM-data, food and sleep.

Koshin Sekimizu (JP): Albumin Monitoring

Our once-weekly glycated albumin test using blood or saliva reflects glucose levels over the past week. PWDs will see how their self-care actions make a difference, thereby improving glycemic control.

Alan Liu (US): Persperion Diagnostics

Persperion Diagnostics is on a mission to redefine personalized healthcare. We start by transforming the way diabetes is managed — offering a simple, accurate, and affordable noninvasive monitor.

Sanjay Pradhan (US): Transdermal U-Strip Patch

Clinically proven, non-invasive 4th generation Ultrasound drug delivery device can deliver Subcutaneous injectables, small to large complex Biologics through skin without pain to the intended period.

Korey Hood (US): Device Connector

Device Connector integrates digital platforms DiabetesWise and PANTHER to streamline data acquisition for HCPs and provide automated insights. Device Connector improves efficiency for HCPs and access for people with diabetes.

Thorsten Lubinski (GER): D-Pocket

Bye finger pricking - DiaMonTech is the only non-invasive technology to date with prospective clinical data. Our patented mid-infrared tech enables non-invasive glucose measurement using a pain-free laser-based detection.

Glenn Robertelli (US): Admetsys

Hospital clinical robotics system that automatically measures blood glucose, models patient metabo-lism & delivers precisely-optimized treatment– insulin to reduce and glucose to raise glycemic levels.

Sufyan Hussain (UK): Innodose

Gamifying the injection process to reduce the incidence of lipohypertrophy in insulin-treated diabetes – co-design informed innovation of a novel insulin pen and pen-adaptor.