



## — Explore the future of sensing

### PHC

How will trends affect lives and behaviors and influence the daily lives of our patients? How connected will our world be in the future and what could that mean for the future solutions for diabetics?

Apply until **April 18, 2021** / Xplorers Camp on **May 10, 2021**

### Question to be solved

How might a future reality and a future solution for Type 1 and Type 2 diabetics look like to fit into new realities in a seamless way? As digitalization in all aspects of our lives and also in the healthcare industry increases, we want to know what the future of diabetes disease progression monitoring, and continuous blood glucose monitoring will look like. This is why we need you!

#### Scope 1:

What is your perspective on the future management of type 1 diabetes and continuous glucose monitoring? What trends do you see that will highly influence how we look at diabetes, and subsequently how might a solution look like to blend into the lives of Type 1 diabetics seamlessly considering aspects like energy supply, helpful additional factors like activity, temperature or others? How will data be exchanged and how would a constantly measuring solution be applied to the body? Interested in exploring? We want to know your perspective!

#### Scope 2:

Not convinced yet? Then you might want to think into what does the future hold for diabetes management and how could trends also improve life for Type 2 patients? How might the ongoing digitalization effect of sensing and subsequently which sensors (e.g. non-invasive) and factors could play a part in this growing segment? An example use case is type 2 on an oral medication who is at risk of progressing to insulin treatment is looking for a convenient and painless way to track their blood sugar levels without the hassle of pricking their finger. A wearable platform, in combination with other products can provide patients (and their physicians) with a better understanding of how their daily activities (medication compliance, diet, exercise, etc.) impacts their blood sugar and progression toward insulin treatment. Information delivered by the wearable platform could help them take better control of their disease and reduce the odds they progress to insulin treatment. The device could also be helpful for other patients (earlier in their disease journey) taking OADs seeking to improve their blood sugar levels and prevent disease progression. Eager to explore? Let us know your ideas and solutions!

We are looking forward to learning about your ideas and your vision!

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## Needed Skills

- Creativity and imagination
  - Great collaboration skills
  - Agile and flexible mindset
  - Customer Centric perspective
  - Systemic thinking
  - Diabetes know how basics required
  - Technical & technological understanding of sensing technologies and techniques
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## Mentors



**Dr. David Krey**

Senior Innovation Lead, Diabetes Care Global R&D Innovation



**Dr. Nigel Surridge**

Research Fellow, Diabetes Care Global R&D Innovation



**Dr. Bernd Schneidinger**

International Business Leader Glucose Monitoring Solutions, Diabetes Care Global Strategy & Customer Solutions



**Jim Lefevre**

International Business Leader Pre-Diabetes & OAD Diabetes Care Global Strategy & Customer Solutions

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## Form of Cooperation

**Preferred scale:** e.g. 6-12 months full-time (flexible models are also possible)

Possible format: working student, internship, bachelor or master thesis

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## How to present your Idea

Show us how you would approach the problem in 3 to 5 slides and a pitch about one of the two scopes. We do not expect a bullet-proof solution to the problem, however a strong perspective of your vision, the assumptions you made and reasons for your assumptions. You are free to choose the presentation medium (podcast, video, powerpoint, etc.) whatever conveys your vision and idea best.

**Be as creative as possible** – Be aware you only have 10 minutes to sell your idea