

Ultrabright Probes for More Biological Information

DK Dots

THE PROBLEM

Fluorescent probes have revolutionized the life sciences, but in numerous emerging applications the hardware has advanced beyond the available molecular tools. This leaves valuable biological or clinically-relevant information unseen.

OUR SOLUTION

We have developed a nanoparticle platform to create highly programmable fluorescence probes for uses in advanced research, medical diagnostics, and environmental monitoring.

PATENT STATUS

The base technology is patented and new IP will be filed in the near future. Subsequent uses of the technology will be patentable.

FINANCIAL OVERVIEW

We will develop tools in collaboration with partner companies (both start up and established) to create a catalogue of fluorescent probes that we will then offer as B2B direct sales. Our goal is to capture a share of a emerging portion of the ~€10B fluorescence probe market.

MILESTONES

- Achieved: Proof of concept for technology; soft funding to improve tech at Univ. Copenhagen; several identified development partners and/or possible future customers.
- Future: Build complete prototypes; Establish Spin-Out company; funds for scale-up.

TARGET MARKET & CUSTOMERS

Our initial market is in analyses currently limited by probe brightness. This includes techniques like flow cytometry, in-vivo imaging, and high-throughput fluorescence microscopy.

THE PROFILE WE ARE LOOKING FOR

Preferred qualifications

- Formal business training and/or practical experience with bringing products to market.
- Industry familiarity or experience with life sciences, optics, or diagnostics preferred.

Personal fit

- Eager to learn and eager to teach.
- Able to work collaboratively to build shared vision and strategy.

TASKS & RESPONSIBILITIES (FIRST 3 MONTHS)

Prioritizing commercial opportunities, laying out a product development strategy, helping connect with partners/customers, building case for fundraising pitches.

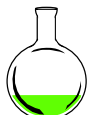
ACADEMIC & ENTREPRENEURIAL BACKGROUND OF CURRENT CO-FOUNDERS

Christopher Benson: Postdoc at Univ. of Copenhagen, 1x founder, accelerator experience.

Bo Laursen: Professor at Univ. Copenhagen, 2x company founder.

PHYSICAL ADDRESS

Currently based out of the University of Copenhagen Department of Chemistry (no company formed yet). Open to remote work.

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