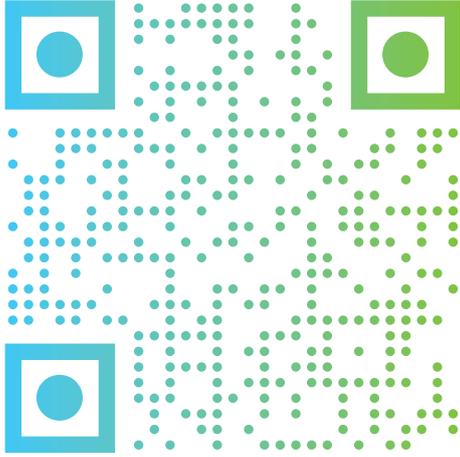




# OptoGenTech

The cochlear implant of the future

## A silver lining for the hearing impaired.



### FOUNDING TEAM

**Prof. Tobias Moser (CEO)**

*Auditory Neuroscience and Optical CI pioneer*

**Dr. Daniel Keppeler (COO)**

*Biomedical scientist and application expert*

**Dr. Christian Goßler (CTO)**

*Optoelectronics engineer*

**Prof. Ulrich Schwarz**

*Optoelectronics pioneer and advisor*

OptoGenTech GmbH was founded in January 2019.

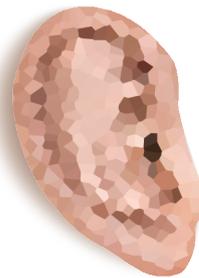
### Contact information

OptoGenTech GmbH  
c/o SNIC Accelerator  
Philipp-Reis-Str. 2a  
37075 Göttingen

www.optogentech.com  
support@optogentech.com

### PROBLEM

When hearing fails, it can be partially restored by **electrical** cochlear implants (CI). This enables vocal communication in the quiet. However, the majority of patients have **difficulties** to understand speech in **noisy environments** and to **recognize melodies**.



electrical cochlear implant

### OPPORTUNITY

The electrical cochlear implant has a limited spectral resolution caused by **wide spread of electric current** in the cochlea.

A more precise stimulation can be achieved with light: **Light** can be conveniently **confined in space** leading to greater frequency selectivity. This promises a **fundamental improvement** of hearing restoration.

### SOLUTION

Combining neuroscience avant-garde technology of **optogenetics** and front line development of **micro-scale emitters**, the optical cochlear implant enables confined stimulation in the inner ear.

### FUNDING



### YOU LIKE THE IDEA?

We are seeking enthusiastic support by long-term investors, ready to partner with us on the way to the medical product. In return, we offer the possibility to access a billion market at the early stage of series A. Please visit our homepage and contact us to receive a pitch deck.

### ADVANTAGE

The optical cochlear implant promises **more natural hearing** with **better communication** in daily life and **music appreciation**.



optical cochlear implant

### GLOBAL MARKET

The cochlear implant market is one of the largest medtech markets with **worldwide revenues of \$1.5 bn in 2018** with an estimated growth rate of 10.5%. This leads to an **estimated revenue of 4.7 bn** at our planned market launch in 2029.

### TARGET MARKET

More than 466 million people suffer from disabling hearing loss and would profit from a cochlear implant. More than **500,000 patients are implanted today** with an electrical cochlear implant.

### ACHIEVEMENTS

A decade of cutting edge, interdisciplinary research **establishing cochlear optogenetics** with more than €10 m in **public funding**.