



Disole

> THE PROBLEM

patients suffer from infection problem within 10 years. Currently, there is no efficient therapies to fight severe infection such as peri-implantitis, and often patients need a re-surgery to have a replacement of dental implant. It is a painful, time-consuming, and expensive process for patients.

> WHAT WE DO

UVB-LED is an effective and safe approach to eradicate oral bacteria and lower the bacterial infection rate. Our invention enables integrated, battery-less, efficient and non-invasive disinfection of dental implant. This allows for:

- Efficient (in minutes) and effective (>99%) eradication of oral bacteria
- No pain and low cost of operation
- No need for using antibiotics and surgery
- A sustainable disinfection treatment

Implantable UV-LED is a promising alternative approach that can significantly lower the usage of antibiotics and mitigate the antibiotic resistance challenge. The proposed implantable LED technology could also be used as treatment therapies for other medical applications such as brain stroke recovery, optogenetic stimulation, etc.

CO-FOUNDERS ARE NEEDED WITH

- Experience in the development of MedTech devices
- A solid understanding of commercialization of MedTech devices
- A solid understanding of the regulatory framework to obtain approvals for MedTech devices
- A good understanding of license agreements with MedTech OEMs



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