

Platform technology to modulate inflammation quickly at home using a wearable ultrasound device





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Patient journey

Global burden

100,000

Kidney transplants every year



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Standard of care

З-6мо

Frequency of post-transplant health checks



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Frequency of post-transplant health checks

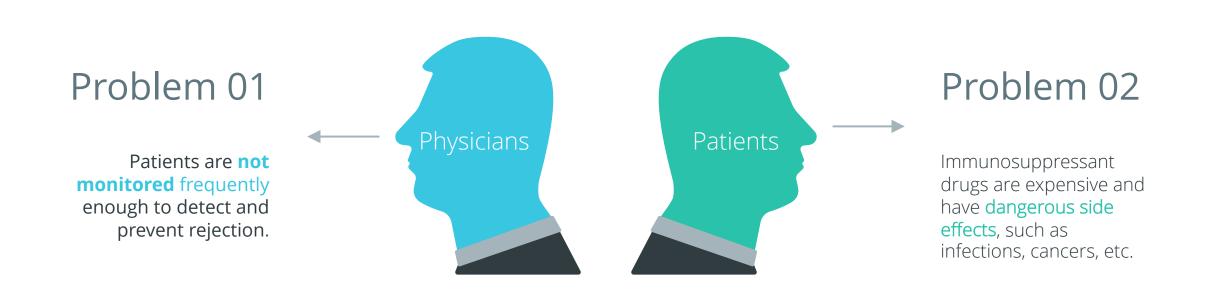
Problem

30%

Risk of rejection



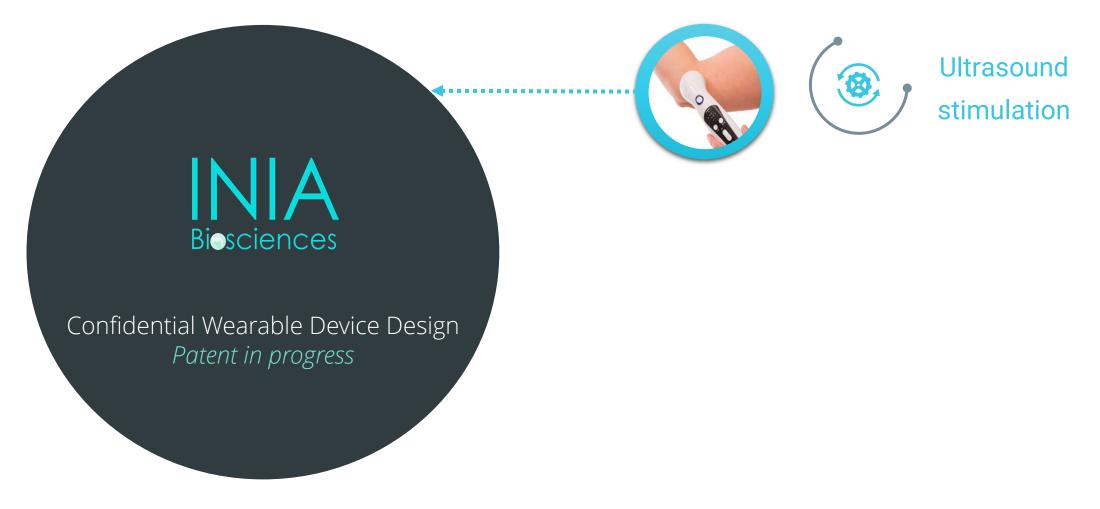
Problem



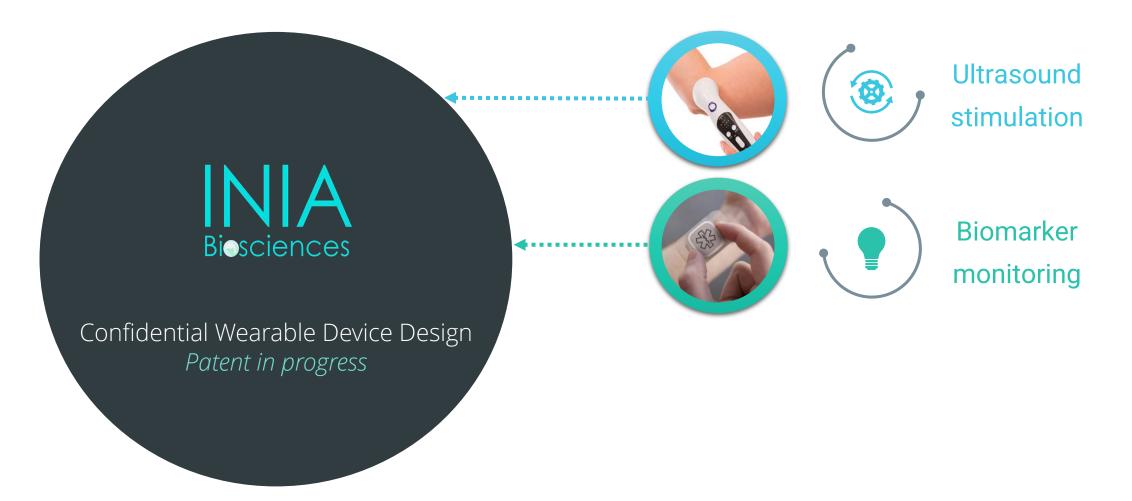




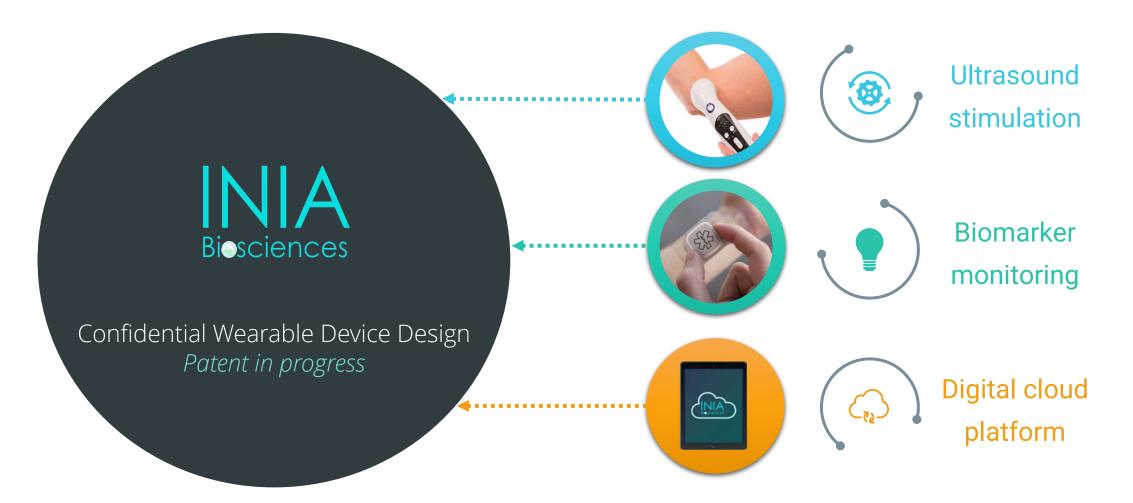














Scientific Rationale

Ultrasound stimulation to reduce cytokines

Human

0

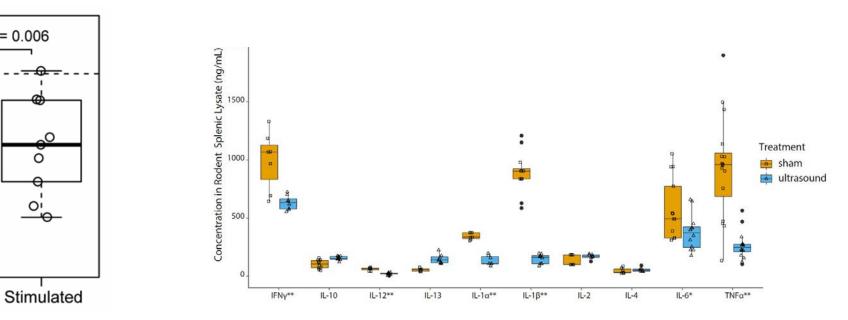
Control

p-value = 0.006

0,

0

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Mouse model

Graham, R.S. et al. medRxiv 2020

TNF Response (Log₂ Fold Change)

2

0

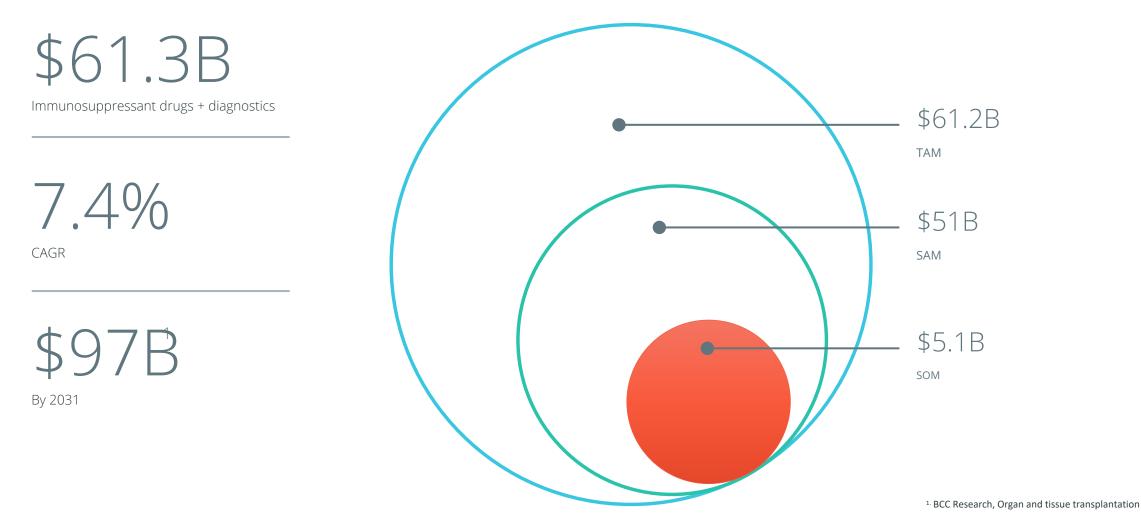
2-12

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Market size



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Competitors





Competitive advantage



Non-invasive treatment

No risk for over-suppression Easy and fast use at home



Real-time monitoring

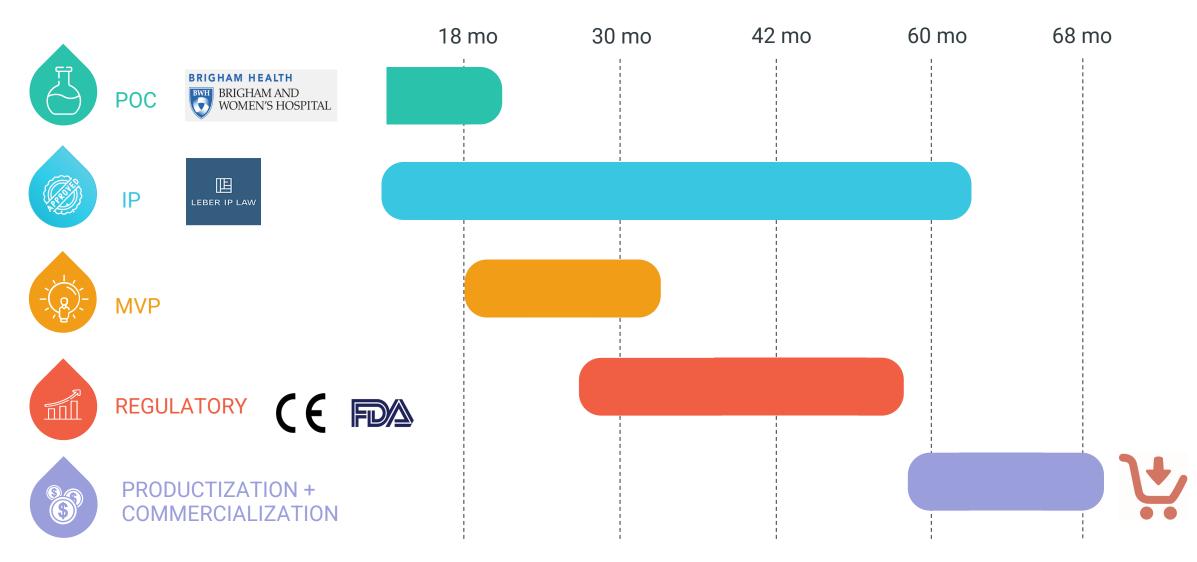
Immediate read-out Automatically goes to the cloud

Digital health platform

Communication with doctors Saves everyone time

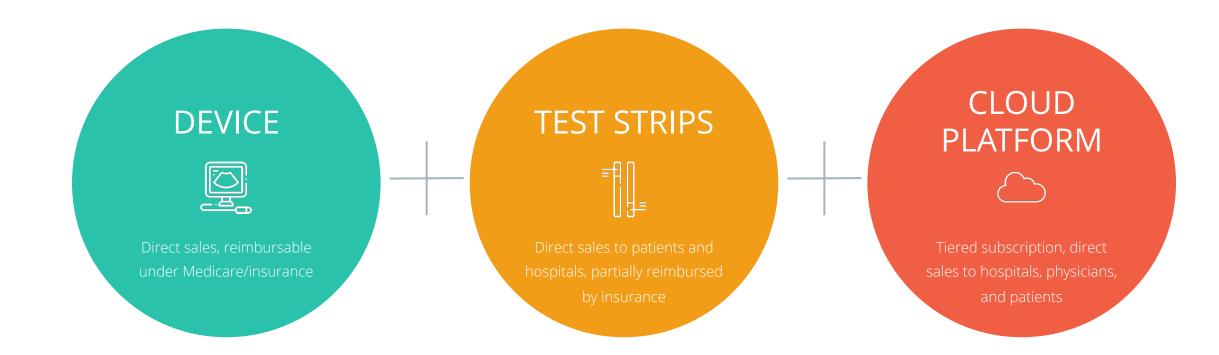


Roadmap

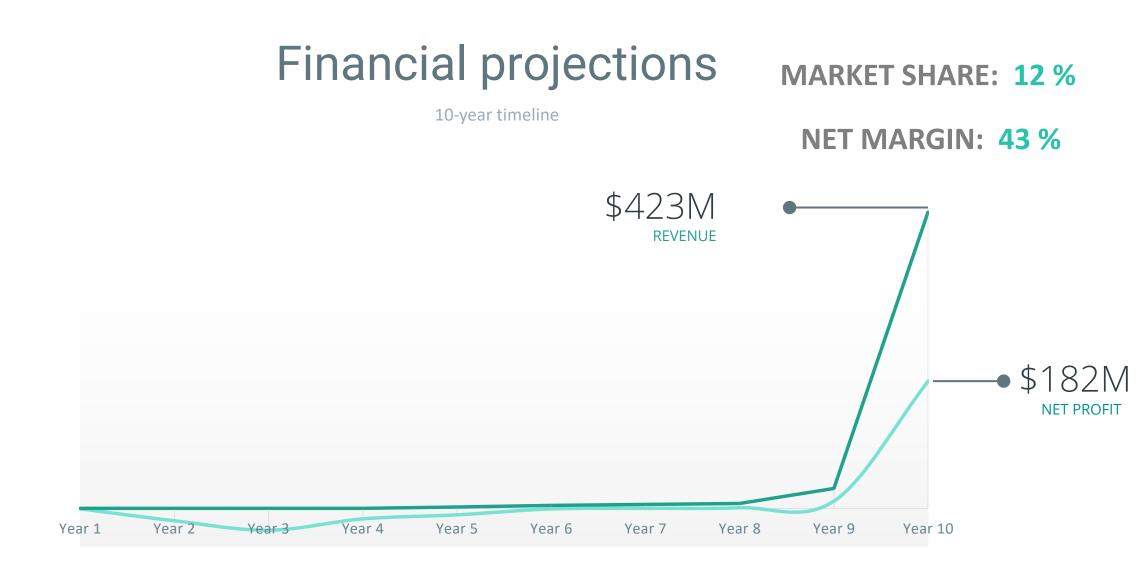


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Business model

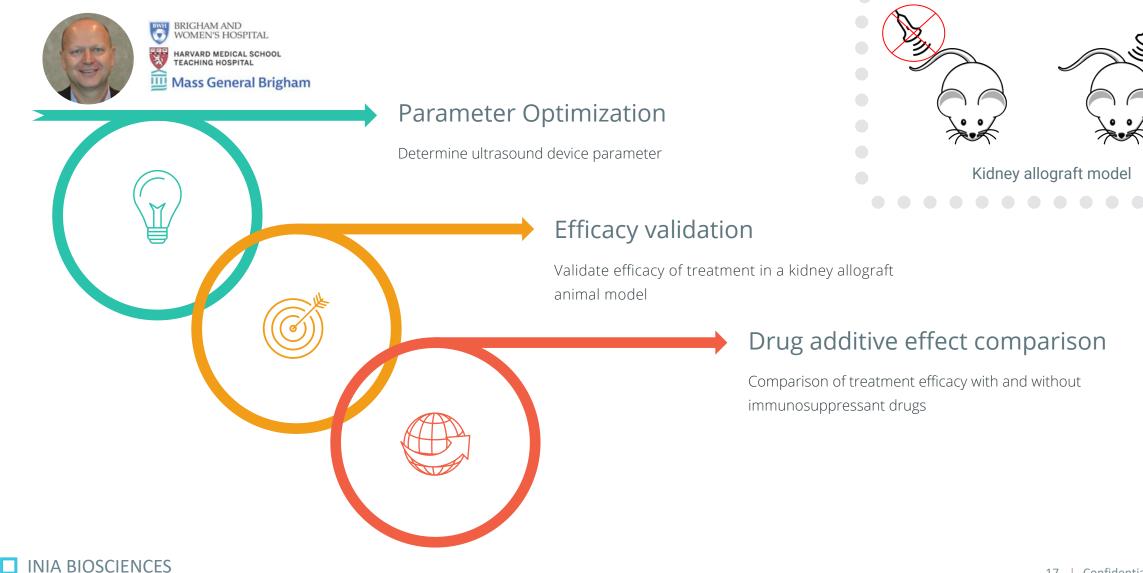








Proof of concept



Team



SHEN NING CEO

Shen graduate from Cornell University in 2015 is a MD/PhD with expertise in Alzheimer's disease (Tanzi lab, MGH/HMS), neurostimulation, and drug delivery (Langer Lab). She is also a Fulbright Fellow, MIT IMPACT Fellow, and BUnano Cross-disciplinary Fellow.





PABLO ELVIRA CSO

Pablo holds a B.S. in Chemistry and Biological Chemistry from The University of Chicago. He is currently a PhD candidate at the Department of Chemistry at Stanford University and holds several awards including the NIH predoctoral fellowship, the ChEM-H Chemistry-Biology Interface Fellow and the Center for Molecular Analysis and Design Fellow.







DRAGANA SAVIC, MSc, DPhil, MBA CTO

Dragana is a Fellow at University of Oxford leading metabolic research and has a DPhil in physiology. She is a trained biomedical engineer from the Technical University of Denmark and Yale University and was a lead specialist in the departmental implementation and FDA approval of a human scanner at UCSF.



Advisory Team



Stefan Tullius, MD, PhD

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Nephrologist

Boston Medical Center

Brigham and Women's Hospital

BRIGHAM HEALTH BRIGHAM AND WOMEN'S HOSPITAL



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OSNEY CAPITAL



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GALVANI



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MASSVENTURES



Our Mission

Platform technology to modulate inflammation quickly at home using a wearable ultrasound device.

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Inia is a genus of river dolphins that utilizes biosonar.