



FEATURED MEDTECH STARTUPS

Stage 1



Crane is developing a Magnetic Resonance and Computed Tomography compatible needle placement robot to assist interventional radiology procedures.

Contact: Dmitri Schreiber

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[LinkedIn](#)

Video: <https://youtu.be/NxPpFCVbY54>

Curescendo

Curescendo is developing small, wearable patches that stick on your skin and sense blood pressure continuously, and send the data directly to doctors. Unlike traditional cuff-based monitors, our product offers a cuff-less solution that is comfortable for patients, with minimal disruption to daily activities, and time-saving for doctors.

Website: <http://curescendo.com>

Contact: Shu Xiang

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Video: <https://youtu.be/DJ0aFqxH6QY>

deviceVitals

Device Vital's Device Vitals is on a mission to improve patient outcomes by empowering hospitals to make device purchasing decisions based on real world data and feedback. Our platform enables healthcare providers to quickly collect and aggregate feedback, share learnings and recommendations across institutions, and make more informed choices for their patients through access to better device data.

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Video: https://youtu.be/NcYLGp3_vVU



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Impedea Tech

Impedea Tech has created an antimicrobial urinary catheter coating capable of preventing biofilm growth on the surface over an extended period of time. Our innovation involves manufacturing the coating and applying it to standard silicone catheters. We have collaborated with a bio-lab on campus to conduct antimicrobial resistance experiments in order to test both planktonic and biofilm growth on our samples.

Contact: Rafaela Simoes Torigoe

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Video: <https://youtu.be/mXs9MfMCLBs>



Limber Prosthetics and Orthotics has developed a seamless digital scanning, design, and fabrication workflow for producing prosthetic devices. Our prosthetic devices are more comfortable at a lower cost. We 3D print using dual-extrusion with engineering-grade materials to locally tailor the material properties of our devices for increased functionality.

Contact: Joshua Pelz

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Video: https://youtu.be/Dyo5G-Xv_ps

PodiVive

PodiVive aims to drastically decrease ulcer formation and infection by creating a novel solution for both diabetic and DFU patients. We are prototyping a personalized insole-sock combo that can properly offload a patient's feet, offer easy compliance, assess a patient's foot condition, and add a bacterial barrier for additive protection. These features can potentially preserve a diabetic patient's limbs, increase their quality of life, and reduce the damaging effects of DFUs to both human health and the economy.

Contact: James Corbett

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Video: <https://youtu.be/xFOrAmxgTCA>



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VigoScope has designed and prototyped a functioning detachable bronchoscope device leveraging a novel design and advanced additive manufacturing techniques. The gear drive, attachment mechanism, and transmission mechanism each play a unique role in making the device possible.

Contact: Matthew Kohanfars

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Video: https://youtu.be/IVmn6C_2bu0



SoleInTech aims to improve the quality of life of Parkinson's Disease (PD) patients through building a shoe insole that can monitor user's GAIT and provide tactile feedback to correct it, improving their balance. Physical therapists can recommend the insole to their patients and use it to monitor the progression of the disease. As a result, patients do not have to visit their therapists as frequently reducing their costs and alleviating current inconveniences.

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Video: <https://youtu.be/1ZjdVvjM2WA>



FEATURED MEDTECH STARTUPS

Stage 2



Hydrostasis is developing a personalized hydration monitor that can provide notifications of dehydration / over-hydration before the user experiences any symptoms. We have a prototype of our hardware sensor, based in diffuse near-infrared spectroscopy. Our analytics platform can show multiple users in one webApp the changes in personalized hydration index, allowing for use in sports and healthcare settings.

Website: <https://hydrostasis.com>

Contact: Debbie Chen

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Melio is developing a low-cost, near point-of-care testing platform for rapid detection of all common infections. This includes testing for bacteria, fungi and viruses in under 3 hours directly from the patient sample. Melio's universal platform relies on machine learning to identify different pathogens without making changes to the assay or device. The system is designed to learn to identify new pathogen targets with algorithm retraining only.

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Pensievision delivers novel point of care medical imaging solutions. We created the first portable three-dimensional (3D) visual assessment device for early-stage detection and analysis of pre-cancer cervical lesions with detection capabilities using Artificial intelligence (AI) and technologies used in NASA's space telescopes.

Website: www.pensievision.com

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Video: https://youtu.be/_jxKSxC6RLU

For more information, visit <http://ige.ucsd.edu>