Start up **Digital Health** in Taiwan to Make a Difference

國際數位醫療新創展

June 2 10am-5pm
@TICC-101C

國家發展委員會
NATIONAL DEVELOPMENT COUNCIL
廣告

Epoch

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No.	團隊	國家	團隊介紹	需要資源	公司網站
1	AMA Medical Inc.	Taiwan	AMA's current technology focuses on Wideband MRI to provide early detection of cancers and dementia diseases. Our current product aims to accelerate imaging timing or increase spatial resolution by 2 folds. High resolution MRI could also provide unique cell tracking capability in stem cell and T cell therapeutic planning in the future. We dedicate to make AMA your strong and preferred partner in MR application by delivering continuous innovation, exceptional value and fulfill a better service to all customers and patients. AMA Medical是聚焦於創新研發寬頻磁振造影的台灣新創公司，其高空間解析度磁振造影產品具癌症及失智症早期偵測的能力，可提升二倍的時間或空間解析度，並將逐年提升為三倍、四倍，將大幅提高MRI的精確度，有潛力為精準醫療提供幹細胞中的特殊細胞追蹤以及免疫治療規劃。未來預計推出結合萬里健康雲及長照系統的小型無線磁振造影系統。	Partners / Funding / Recruiting	www.amamedic.com
2	AnatoScope	France	Anatoscope offers software solutions with patented technology taking as input all available imaging, and automatically computes a virtual 3D biomechanical twin of the patient. It is a fully digital production pipeline for personalized healthcare devices, from imaging to 3D printing. This no-plaster framework has been adopted by businesses such as Thuasne for the production of knee braces, or Biotech Dental for dental prosthetics. Finally, Anatoscope also offers fast segmentation tools and prepares applications on per-operative tumor tracking using AR. 來自法國的Anatoscope，其軟體用於協助專業醫護人員改善個人化醫療品質，輸入影像後就會自動運算出高雷同度的虛擬3D模型，可量身訂做齒科、骨科及運動設備。從顯影到3D列印的全數位製程，這種無石膏方法已被業界先驅，如製造護膝的Thuasne、製造人工牙根的Biotech Dental所採用。此外，Anatoscope也以擴增實境技術，提供腫瘤手術快速切割的模擬工具。	Partners / Funding / Recruiting	www.anatoscope.com

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3	ATO-gear	Netherlands	ATO-GEAR helps runners improve performance and reduce injury risks with smart algorithms providing continuous monitoring and an adaptive coaching artificial intelligence. Its two innovations are an ultrathin printed electronics insole that can very accurately measure pressure directly under the foot during running, and algorithms that can interpret the data and an associated coaching engine that converts this to meaningful and real-time coaching based on biomechanical research. ATO-GEAR 是荷蘭The Nethelands Organisation for Applied Scientific Research 機構在歐洲合作機構的多年研發成果。以即時精準測量壓力的超薄電子鞋墊(ARION)，不只能協助跑者自我精進腳部運動技能，減少潛在的運動傷害，享受如教練隨行教學的運動體驗；更透過持續監控、自動化調整的AI演算法，幫助使用者及醫護人員了解復健情形，進而降低療程的總成本。	Partners / Funding	www.ato-gear.com
4	CardioScale Ltd.	Israel	CardioScale's new care system helps predict hemodynamic deterioration in time, relying on patented, non-invasive medical measurements. It is simple, non-invasive, and can be performed at any point of care by anyone – no professional knowledge required. It enables medical staffs to make informed decisions regarding intervention, and ultimately save lives. The technology behind includes Cardio Vascular Reserve Index, an algorithm based multi vital sign index, providing a full and objective picture of the patient's hemodynamic state and its trend. 來自以色列的CardioScale 醫療器材公司，提供革命性的非侵入式疾病診斷及鑑別系統，即時發現心血管疾病惡化情形，使醫護人員在患者同意下進行治療。其核心技術是 以軟硬體測量多種生命跡象的演算出心血管儲備指數(Cardio Vascular Reserve Index)，幾秒鐘就能看出患者的血液動力學狀態及趨勢全貌，相當簡易，無需專業技能即可操作。	Partners / Funding	www.cardioscale.com

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5	ConquerX	USA	ConquerX develops customized solutions to perform molecular profiling ten times faster and at one-eighth of the cost of current technologies. ConquerX's EbeGen platform analyze multiple types of molecular targets in a single biological sample, at the same time and without the need for amplification. EbeGen allows the creation of a personalized biomarkers panel set for specific patients and purposes assisting the early detection of cancer and accelerating precision medicine. 來自美國波士頓的ConquerX公司，研發設計出客製化分子檢析方案--EbeGen平台，比現有技術快上10倍，成本只有八分之一。EbeGen平台無需放大，就可以分析單生物檢體上的多種分子目標，可為特定病患者或目的，特製個人化的生物標誌組合，及早發現癌症以進行精準醫療。	Partners / Funding	www.conquerxlab.com
6	DNArails Co., Ltd.	Taiwan	Healthcare industry is dealing with data overload, especially in genomic data. Therefore, many problems in genetic test that need to be solved including automatic processing, bioinformatics solutions, variant prioritization analytics, reporting, and analysis of variants of unknown significance (VUS). DNArails focuses on big data analytics in genomics, assisting the interpretation of genetic variations, and providing the new insights into disease by machine learning. Our mission is to enhance the efficiency of biomedical research and clinical diagnosis. DNArails將機器學習(Machine Learning)結合到基因醫學，應用在二代定序及相關檢測技術，準確找出特定疾病基因標的經驗相當豐富。其雲端智慧視覺化基因分析平台上，可進行癌症DNA已知及未知變異危害程度的預測分析，以專案方式協助完成國內外多家知名院所、學研單位及服務商，建立特定疾病預測模式。	Partners / Funding / Recruiting	www.dnarails.com

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7	iMerciv Inc.	Canada	Today, we have self-driving cars and autonomous vehicles, but the blind and partially sighted are still using canes and guide dogs. Why can't we have autonomous people? iMerciv empowers those living with blindness or partial sight all over the world through innovative assistive technologies. We are dedicated to improving the confidence, the independence and the overall quality of life for those living with vision loss. 當今交通科技已發展到無人車或自動駕駛等行動工具，但全盲或視障朋友的出入還是得依賴手杖及導盲犬的輔助。如何幫助他們能夠行動自主呢？加拿大新創公司 iMerciv 使全世界的盲友及視障者透過其創新輔助式的穿戴式裝置，可以增進自信及獨立生活的機會，縱使兩眼看不見，還是能追求全面的生活品質。	Partners / Funding / Recruiting	www.imerciv.com
8	Intelligent Surgical Inc.	Taiwan	Intelligent Surgical Inc. will be set up at the end of year 2017. We focus on developing image-guided robotic surgical navigation systems for orthopedic and neural surgery. The founder, Prof. Ching Shiow Tseng, has more than 20-year experience in surgical navigation systems. His team owns ROC, US and PROC patents related to surgical navigation systems and has received several academic and competition awards including outstanding technology Transfer Contribution Award, National Innovation Award and National Invention and Innovation Gold Award. 智創生醫科技將於2017年底由中央大學機械系曾清秀教授、實驗室團隊、及資金提供者正式成立公司。其產品聚焦於發展骨科及神經外科用醫學影像輔助機器人手術導航系統。曾教授有超過20年的手術導航系統開發經驗，曾獲多項學術與競賽獎項，包括中央大學研究傑出獎、科技部及中央大學傑出技轉貢獻獎、國家發明創作獎發明金牌獎、國家新創獎等。	Funding	n/a

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9	LifeSense Group	Netherlands	LifeSense's first product, Carin provides a solution to one of the biggest unspoken problems women face throughout their lives: urinary incontinence. Carin was crowned in February 2017 as the best wearable healthcare product in the world at the Wearable Technologies Innovation World Cup in Munich. Our international team is based in Eindhoven (The Netherlands) , Tokyo, and San Francisco. We are actively seeking €5 million in series A investment to become the fastest growing revenue-based business. LifeSense曾獲獎的穿戴醫護產品Carin，結合裝有感測器的防漏智慧內褲，以及app根據感測結果所建議的特定部位肌肉強化運動，協助女性改善漏尿、強化尿道肌肉，增進生活品質；已申請13項專利，獲得歐洲合格認證(CE)及美國FDA第二級許可。	Funding	www.carinwear.com
10	mFluiDx	USA	In decentralized clinics, highly sensitive molecular DNA tests (PCR) are not often used because of cost and slow turnaround time. mFluiDx is a UC Berkeley startup developing low-cost microfluidic diagnostic chips capable of on-site multi-target DNA/RNA detection of infectious diseases with simple operation and ~100X lower cost than PCR setups. We aim to create assays that can be deployed in decentralized settings, are as simple and cheap as paper tests, yet have molecular-level sensitivity for onsite diagnosis. 美國加州大學柏克萊分校新創團隊mFluiDx，研發出低成本、高敏銳度的微流道診斷晶片，可直接多目標檢測出傳染病的去氧核醣核酸(DNA)或核醣核酸(RNA)，在一般診所就能像試紙檢驗一樣容易使用，成本不及PCR檢測的百分之一。	Partners / Funding / Recruiting	www.mfluidx.com

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11	Mydimed	Israel	Mydimed is applying machine learning & Ai algorithms to predict the risk of hospitalization due to an Adverse Drug Reaction among high-risk patients. It analyzes medical records, external databases and derivative data to flag high risk patients for an intervention by the healthcare provider. It caters HMO's, Hospitals, Health plans, and payers to help them improve quality, efficiency and lower cost of population health management. Mydimed使用機器學習及人工智慧演算法，分析就醫紀錄及外部系統，提供醫護人員為高風險患者預測藥物不良反應，目前已和美國多家健康管理中心、醫院、醫療保險及保戶合作，幫助改善健康管理品質及效率，進而降低醫療成本。	Partners / Funding	www.mydimed.com
12	Myndlift Ltd	Israel	Myndlift provides a wearable solution that is based on neurofeedback to help improve attention by playing brain-powered games for 15 minutes a day, 3 days a week. . The team of neuroscientists, engineers, and designers developed the emerging brain-computer-interface technology coupled with advanced signal processing to generate algorithms that make consumer EEG headsets eligible for therapeutic purposes. Myndlift 開發穿戴式裝置，運用新興的雙腦（頭腦、電腦）介面技術，加上高端訊號處理的演算，每週3日、每日15分鐘透過腦神經回饋的遊戲，改善注意力。	Partners / Funding	www.myndlift.com

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13	NAVICONIX LTD	UK	NAVICONIX offers products and services that bring the highest level of computer science to the hospital heart rhythm care by offering innovative fast cardiac maps as it immediately covers all cardiac surfaces simultaneously and collects data from a limited number of body surface electrodes, combined with data from catheters. The fast cardiac mapping prototype is developed to make procedures quicker (in terms of hours), simpler, requiring less operator skill, and posing less risk for the patients. NAVICONIX提供醫院心律診療醫護最頂級的電腦技術，能同時收集並匯集所有心臟表層的數據，提供創新又快捷的心臟圖，可使侵入式或非侵入式醫療程序加快好幾個鐘頭，更簡易，更少風險。	Partners / Funding	www.naviconix.com
14	NaviFUS	Taiwan	NaviFUS is dedicated to providing novel platform solutions for crossing the blood-brain-barrier (BBB) for enhanced oncology drug delivery. The NaviFUS System is designed to utilize non-invasive ultrasound energy to enable transient and safe enhancement of BBB permeability to facilitate transport of small or large molecular CNS drugs to target tumor tissue at high precision for better treatment outcomes. NaviFUS致力於發展突破血腦屏障的藥物傳輸系統，將超音波精準瞄準腦部治療區，以無創方式暫時開啟目標區域的血腦屏障，讓藥物進入腦部發揮療效。2014年6月美國財星(Fortune)雜誌肯定此技術將是五種超音波改變人類治療技術重要方式之一。	Partners	www.navi-fus.com

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15	ODS Medical	Canada	ODS Medical commercializes our exclusive Raman spectroscopy system for real-time detection of tissue abnormalities through the development and manufacture of products for a range of clinical settings. We are presently seeking regulatory approval of our intraoperative probe system for infiltrative brain cancer detection. Building on our unique data acquisition platform, we aim to become the leader in real-time diagnostics. ODS Medical的獨家光譜檢測，透過臨床設計所研發的術中探測系統，可直接偵測浸潤性腦瘤的組織異常。	Partners / Funding	www.odsmed.com
16	Onera	Netherlands	Onera develops sleep assessment devices help improve during sleep one's breathing, sleep depth, heart rhythm, and sleeping position. After an initial test at night, following Onera's advice, users can take actions such as exercising more or changing diet or stopping working earlier before going to bed. By making changes in daily activities, or changing the environment during sleep, users can observe how this affects their sleep. Onera的睡眠測量器材，協助改善呼吸、睡眠深淺、心跳頻率、睡眠姿勢等模式，提升對睡眠失調的警覺，方便儘早診斷及改善，增進生活品質和健康。	Partners / Funding	www.myonera.com

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17	QT Medical, INC.	Taiwan	QT Medical's groundbreaking ECG technologies aim to bring the world's most compact 12-lead electrocardiogram (ECG) QT ECG™ available to chronic heart failure and postoperative cardiac surgery patients at home, with its ease of use patented electrode, wireless mobile technology, and cloud services. Our vision is to become the "Leader in ECG Technology" that will prevail the new and emerging ECG markets. QT Medical致力於醫療用心血管疾病篩檢和診療，開發醫療級心電圖檢測的家用市場。預計2017 年中將第一項產品送美國FDA 認證，第三季送歐洲CE Mark認證，2018 年初上市，成為心血管醫療儀器與遠距醫療的領導廠商。	Partners / Funding / Recruiting	www.qtmedical.com
18	Sensii	USA	Sensii is committed to providing data-driven nutrition guidance for mothers and new babies. With a tiny hardware device and intelligent analysis algorithm, we can accurately detect the composition in the mother's breastmilk, and track her baby's daily nutrition intake. Based on these nutrition data, we will help the mother develop individualized diet plan while ensuring fulfilled basic nutrition need for her baby. Sensii 有效提供母親及新生兒的營養建議，以可攜式個人化裝置的數據演算分析，就可以準確測出母乳成分、追蹤嬰兒每日營養攝取量，幫助母親設計個人化的飲食計畫、確保寶寶的健康。	Partners / Funding	https://www.sensii.tech

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19	STA Technology	USA	With IP developed from Mass General Hospital(Harvard Medical School) neural system group, STA Tech introduces the BPFlex, the world's first cuffless wearable BP monitor that enables continuous non-invasive blood pressure monitoring during one's daily activities, integrating results to HER system to remotely monitor the patient' condition. BPFlex merges three different non-invasive blood pressure monitoring technologies with advanced data fusion algorithms to get stable, accurate BP waveform, aiming to realizes diagnosis and prevention of cardiovascular diseases and help the hypertension patients to better classify their cases and track results of anti-hypertensive medication. BPFlex是不需袖套就能量血壓的穿戴式產品，在平時持續以非侵入方式量測5大生命跡象：血壓、血氧飽和度、心電圖、呼吸、體溫及日常動作；量測數據也方便醫護人員做遠距照護，幫助高血壓患者有依據追蹤降血壓藥物的使用結果。	Partners / Funding	www.statech.co
20	StethoMe™	Poland	Coughing, a runny nose, fever… Should you call the doctor right away? Or should you wait a while and see? StethoMe™ quickly dispels these doubts. Examine your child without leaving your home and send the results to your doctor, who then decides what to do next. StethoMe™ is the first medical diagnostic device of its kind – one that monitors the respiratory system and measures body temperature in a precise but user-friendly way. You examine. StethoMe™ analyses. The doctor makes the call. StethoMe™是智慧型聽診器，協助父母在家為小孩快速檢測不舒服的症狀，再將呼吸及體溫的量測結果傳送給醫生看，好讓醫生分析診斷後，精準提供指示。	Partners / Funding	www.stethome.com