

## 2016 SATU Joint Research Scheme Program NCKU Application Form

Date: 2016 / 4 / 8 (year / month / day)

### 1. Hosting Center/College

Medical Device Innovation Center

### 2. Project Title

Medical Device Development Trends in Southeast Asia

### 3. Principal Investigator

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### 4. Co- Principal Investigator from the same unit– If any

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### 5. Project Details

Project Description	<p>Global Academia-Industrial Alliance (GAIA):</p> <p>The Medical Device Innovation Centre (MDIC) was founded at the National Cheng Kung University (NCKU) in Tainan in 2011, a Center of Excellence for medical device innovation sponsored by the Ministry of Education. The MDIC has unique innovation environment through interdisciplinary collaborations among physicians, engineers and faculty from Colleges of Medicine,</p>
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# SATU Presidents' Forum

of Southeast and South Asia and Taiwan Universities  
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Engineering, and Management at NCKU and NCKU Hospital to brainstorm innovative concepts. The interdisciplinary collaboration fosters to establish an integrated R&D platform for medical devices based on the past research achievements accomplished at NCKU and Hospitals such as orthopedic surgery, plastic surgery, maxillofacial surgery, dental, rehabilitation devices, biomedical imaging instruments and other related medical devices.

In 2015, MDIC added a new department: Intelligent Manufacturing Systems Center (IMSC). IMSC focused on digital medical design and Intelligent manufacture in dental research. In the future, IMSC will bind Big Data technology and Industry 4.0 technology to create new digital dental train and manufacture transnational platform between Southeast Asia and Taiwan.

We are looking forward to cooperate with universities and hospitals in Southeast Asia establishing the Global Academia-Industrial Alliance (GAIA) in Medical Devices. Through this collaboration we would like to cultivate highly talented human resources through world-class research and implementation of high-level education, leverage experience and network in global exchanges of education and research and have mutual compensation by integration technology, design, manufacturing, service, and market. The detailed information of the Medical device innovation center is at <http://www.ncku.edu.tw/mdic/>. Please don't hesitate to contact us for the future cooperation.

Please email [satu@email.ncku.edu.tw](mailto:satu@email.ncku.edu.tw) before 2015.4.27(Wed.) for application.