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## International symposium on wound repair and regeneration kicks off at NCKU



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(中央社訊息服務20131008 17:25:47)National Cheng Kung University (NCKU), southern Taiwan, hosted International Symposium on Wound Repair and Regeneration, October 8, to explore the fundamental approaches regarding regenerative medicine with approximately 200 scholars from the world including

America, UK, France, and Japan.

NCKU President Hwung-Hweng Hwung welcomed guests from the world and said, "With the progress in stem cell biology, we think time is ready for the breakthrough in the field of wound healing."

He also said, "NCKU has the advantage that our medical college, schools for biology and engineering, and hospital are forming a close community."

"We are glad to have academican Cheng-Ming Chuong from the University of Southern California as the director of International Research Center for Wound Repair and Regeneration (iWRR) for international collaborations."

"Chuong has been working with our NCKU director, Dr. Shyh-Jou Shieh, vice director, Dr. Josh Wu, and ex-director Dr. Tak Wang to set up the Wound repair and Regeneration laboratory," according to Hwung.

Chuong noted, "Our lab has identified the wound repair regeneration as the theme of this year' s symposium."

Talking about the trend in wound regeneration research, Chuong pointed out, "One of the fundamental issues about the tissue regeneration is the ability to reform the organized patterns."

Regenerative medicine has great potential, but the main challenge is how to harness this power. Injuries can lead to repair or regenerative responses, according to Chuong.

A total of 13 renowned experts in the field of regenerative medicine are invited to give talks in the symposium, including David Gardiner from University of California Irvine, Jonathan Slack from University of Minnesota, Malcolm Maden from University of Florida, Shigeru Kondo from Osaka University, and John Foley from Indiana University.

David Gardiner from University of California Irvine gave a talk on Regulation of limb morphogenesis by information in the ECM.

In his talk, Gardiner concluded that the knowledge and insights about the nature and function of the grid gained from understanding salamander limb regeneration can be used as a guide to modify the ECM and regulate growth and pattern formation during regeneration.

Following by Gardiner's talk, Slack gave a talk on Regeneration of limbs, Shyh-Jou Shieh from NCKU talked about Clinical strategies and aspects in wound repair and regeneration.

iWRR set up in 2012 at NCKU to discover fundamental principles of regenerative biology by learning from nature the healing processes, according to Josh Wu from Department of Cell Biology and Anatomy, NCKU.

In addition to research, one of the center's missions is to invite top notch international scholars to NCKU to inspire the faculty and students and to develop collaborations, said Wu who also added that it is hoped that these principles we explored in the symposium can be applied in the clinic to help

severe trauma patients.

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訊息來源：成功大學

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