



INTERNATIONAL SYMPOSIUM ON WOUND REGENERATION AND REPAIR

National Cheng Kung University, Tainan, Taiwan

Date: October 8, 2013

Regenerative medicine has great potential, but the main challenge is how to harness this power. Injuries can lead to repair or regenerative responses. In repair, the wound is covered to produce a protective shield with loss of structure and function. However, regeneration restores total structure and function to the original tissue. Many animals have evolved robust regenerative powers naturally selected over millions of years. Examples of vertebrate regeneration are plentiful, such as the amphibian limb, the lizard tail, and the bird feather. Regeneration can also occur in mammals e.g. the mouse liver or wound-induced hair neogenesis of the rabbit or mouse skin, or the human neonate digit tip. In contrast, severe human skin wounds produce scarring. In current clinical medicine, human beings demonstrate limited powers of regeneration. In the year 2012, National Cheng Kung University (NCKU) established the international Research Center for Wound Repair and Regeneration. The aim is to discover fundamental principles of regenerative biology by learning from nature the healing processes. The hope is these principles can be applied in the clinic help severe trauma patients. These studies will push the progress of regenerative medicine towards a new frontier. The current symposium will introduce cutting edge research in regeneration from basic science to clinical medicine. We welcome you to submit your abstract and join us in this fruitful meeting.

--- SPEAKERS ---

International Speakers

David Gardiner	USA University of California, Irvine
Jonathan Slack	USA University of Minnesota
Ken Muneoka	USA Tulane University
Malcolm Maden	USA University of Florida

Organizer Committee

Cheng-Ming Chuong, Shyh-Jou Shieh
Josh Wu, Michael Hughes

Local Speakers

Chih-Chiang Chen
Lynn LH Huang
Michael Hughes
Ting-Xin Jiang
Shyh-Jou Shieh
Ming-Jer Tang
Tai-lan Tuan
Hua-Lin Wu
Josh Wu

Location: NCKU General Library B1 Conference Hall, NCKU

Organizer: International Research Center for Wound Repair and Regeneration, NCKU

Registration fee: free

Call for abstract: before September 15, 2013 (some will be selected for oral presentation)

Symposium Website: <http://wrr.web2.ncku.edu.tw>





國際傷口再生與修復研討會

國立成功大學

日期：2013/10/08

再生醫學是極具潛力的新興研究，然而如何誘導並控制組織再生的能力是當前重要的課題之一。受傷後的組織會起始修復或再生兩種不同的反應，當組織進行修復時，傷口會快速的覆蓋一層保護組織，但此組織缺乏正常的功能；相對的，當組織再生時，傷口可重塑以祈回復原始組織的功能。許多的動物在百萬年演化後具有再生的能力，如兩棲類的肢體或蜥蜴的尾巴，哺乳類亦具有一些相似的機制，例如老鼠的肝臟再生或是皮膚傷口的毛髮新生。人類的傷口相對於其他動物常產生疤痕組織，同時人類的許多組織在臨床上也顯示其再生能力有限，國立成功大學在2012年成立了傷口再生與修復國際研究中心，希望透過國際合作了解再生生物學的基礎原理，能在未來有助於再生醫學的發展。此次研討會將囊括再生醫學基礎研究並延展到臨床應用，期待能與您分享再生醫學領域內最前端的研究，我們將竭誠的歡迎您踴躍投稿並與我們一起參與這次成果豐碩的研討會。

--- 主講者 ---

國際講者

David Gardiner	美國	加州大學
Jonathan Slack	美國	明尼蘇達大學
Ken Muneoka	美國	杜蘭大學
Malcolm Maden	美國	佛羅里達大學



Ken Muneoka



David Gardiner



Jonathan Slack



Malcolm Maden

國內講者

湯銘哲
吳華林
謝式洲
黃玲惠
段台蘭
吳佳慶
陳志強
Michael Hughes
Ting-Xin Jiang

組織委員

鍾正明
謝式洲
吳佳慶
Michael Hughes

研討會地點：成功大學圖書館 B1會議廳

主辦單位：成功大學 傷口再生與修復國際研究中心

相關資訊：<http://wrr.web2.ncku.edu.tw>

報名：免費註冊

摘要邀稿：請於2013/9/15日前將論文摘要 email 至 S58014114@mail.ncku.edu.tw

(本會將擇優邀請口頭發表)

