

To celebrate the 60th Anniversary of the Discovery of the Structure of DNA, the Singapore Institute of Biology (SIBiol) and Science Centre Singapore jointly present

A Public Forum on DNA



Dalton Auditorium, Level 3, Singapore Science Centre
Saturday, 26 Oct 2013 | 9.00 - 11.30am

Programme

Registration: 8.30am -9.00am

Talk 1: 9.00am -9.45 am

'Keep eyes open for green propagation on our planet: plant reproduction and regeneration'

Dr Chen Zhong
National Institute of Education



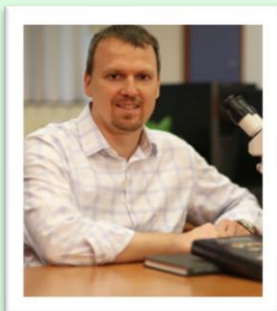
Plant developmental scheme is more flexible and responsive to environment. Plants exert distinct strategies in self propagation, both sexually and asexually. At post-embryonic stage, plants have remarkable capability to regenerate the missing parts incurred by predators or diseases, in order to restore their body plan. The secret of regeneration lies within a tissue type called meristem which typically contains a population of stem cells, maintained by an organizing region.

Tea reception: 9.45 -10.15am

Talk 2: 10.15am -11.00am

'From dung to metagenomics: What humble biological remains can tell us about rare species in Singapore and elsewhere.'

Professor Rudolf Meier
Department of Biological Sciences, National University of Singapore



Many of us are familiar with the hit TV series CSI where DNA profiling is an important technique for solving crimes. While these techniques are well established in forensics, not many people are aware that similar techniques can be used in ecology and conservation biology. For example, biologists can use dung samples to identify the food sources of various animal species or even identify the presence and/or absence of individual species within a particular area from just analyzing the droppings that they leave behind.

For online registration please visit website:

www.sibiol.org.sg