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09 October 2012

Science Minister to speak at UCT symposium on New Paradigms in Drug Discovery

15-18 October 2012, Vineyard Hotel, Newlands, Cape Town

www.h3-d.uct.ac.za

Science Minister Derek Hanekom will address the opening session of the New Paradigms in Drug Discovery symposium to be hosted by the University of Cape Town's Drug Discovery and Development Centre (H3-D) from 15 to 18 October at the Vineyard Hotel in Newlands, Cape Town. International experts in drug discovery will join local counterparts to discuss new approaches to drug discovery for malaria, tuberculosis and non-communicable diseases, as well as drug metabolism and pharmacogenetics, among other topics.

Yvonne Chaka Chaka, the UNICEF Special Ambassador on Malaria in Eastern and Southern Africa, will be the special guest at a celebration dinner at Kirstenbosch Moyo on 17 October.

The programme follows this release. Media are welcome to attend; please contact Pat Lucas on 021 650 5428 or pat.lucas@uct.ac.za to arrange for accreditation or interviews with the speakers.

ENDS

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Symposium

Vineyard Hotel, Newlands, Cape Town, South Africa
15 – 18 October 2012 www.h3-d.uct.ac.za

PROGRAMME (subject to change)

Monday 15 October

TIMES	
15h00-17h00	Registration
	Opening Session - Chaired by Kelly Chibale (South Africa)
17h00	• Welcome to the Symposium - Kelly Chibale (South Africa)
17h05	• Introduction by DVC of Research at University of Cape Town - Danie Visser (South Africa)
17h15	• Opening by Deputy Minister of Science and Technology - Derek Hanekom (South Africa)
17h30	• Plenary Lecture - Drug Discovery for malaria: results from the NITD led NGBS consortium Paul Herrling (Switzerland)
18h30	Welcome Function & Trade Preview – TRADE EXHIBITION AREA

Tuesday 16 October

08h00 - 09h00	Registration
	SESSION 1: African paradigms for anti-malarial therapeutics - Chaired by Pete Smith (South Africa)
09h00	• Plenary Lecture - Antimalarial drug discovery: target based or random screens? - Philip Rosenthal (USA)
09h45	• Drug Discovery towards the eradication of malaria - Jeremy Burrows (Switzerland)
10h15	REFRESHMENTS

Tuesday 16 October (Cont'd)

10h45	<ul style="list-style-type: none"> • The dihydroisoquinolones (DHIQ's) orally bio-available inhibitors of PfATP4 for the treatment of malaria - Kip Guy (USA) • Third Generation Tetraoxane Antimalarials- Paul O'Neill (UK) • Intra-parasitic Inhibition of Hemozoin Formation in <i>Plasmodium falciparum</i>. – Timothy Egan (South Africa) • Discussion session on criteria for selecting drug combination partners for Malaria – Chaired by Paul Herrling (Switzerland)
11h15	
11h45	
12h00	
12h45	LUNCH

	SESSION 2: New approaches to tuberculosis drug discovery - Chaired by Richard Gordon (South Africa)
14h00 14h30	<ul style="list-style-type: none"> • Preclinical in vitro and animal models for prioritizing TB lead compound series; the good, the bad, and the ugly - Clif Barry (USA) • Pathway-selective sensitization of Mycobacterium tuberculosis for target-based whole-cell screening - Valerie Mizrahi (South Africa)
15h00	REFRESHMENTS
15h30 16h00 16h15	<ul style="list-style-type: none"> • Developing TB Drug Regimens with reduced treatment durations - Khisi Mdluli (USA) • Short talk on aspects of Drug Development – Mino Caira (South Africa) • Discussion session on criteria for selecting drug combination partners for TB – Chaired by Paul Herrling (Switzerland)
17h00	• Plenary Lecture - Drug Safety Science: from man to molecule and back again - Kevin Park (UK)
20h00	Faculty Dinner / Delegate Free Evening

Wednesday 17 October

08h30 - 0900	Registration
	SESSION 3: Non-communicable diseases and drug discovery - Chaired by Edward Sturrock (South Africa)
09h00	• Plenary Lecture - Genomics, Structural Biology and Drug Discovery: Difficult Cancer Targets and Neglected Disease - Tom Blundell (UK)
09h45	• Macrocycles: the perfect tools to explore protein function - Shelli McAlpine (Australia)
10h15	REFRESHMENTS
10h45 11h15 11h45	<ul style="list-style-type: none"> • Angiotensin-I converting enzyme inhibitor design - surprises so far - Ravi Acharya (UK) • The Development and Clinical Application of Neuropeptides Targeting Hormone-Dependent Diseases- Robert Millar (South Africa) • Target identification and validation: integrating screening datasets with genome- and chem-informatics tools - David Roos (USA)
12h15	• Plenary Lecture – The Role of Intelligent Humility in Drug Discovery: Aldosterone Synthase and DHODH Inhibition - Brian Jones (USA)
13h00	LUNCH
Afternoon	Free / poster session / Outing

Wednesday 17 October cont'd

17h00	• Plenary lecture 'The Center for World Health and Medicine: Leveraging Re-positioning Strategies to Accelerate the Development of New Therapies for Neglected Diseases' - Peter Ruminski (USA)
19h30	CELEBRATION DINNER AT KIRSTENBOSCH MOYO: Special Guest - Mrs Yvonne Chaka Chaka (UNICEF Special Ambassador on Malaria in Eastern and Southern Africa)

Thursday 18 October

08h30 – 09h00	Registration
	SESSION 4: ADME, pharmacogenetics and beyond - Chaired by Timothy Egan (South Africa)
09h00	• Plenary Lecture - A holistic model of the ADME of drugs - Dennis Smith (UK)
09h45	• Derivation of a Pharmacogenetics guided dosing algorithm in the safe and efficacious use of efavirenz in the treatment of HIV/AIDS – Collen Masimirembwa (Zimbabwe)
10h15	REFRESHMENTS
10h45 11h15 11h45 12h00	<ul style="list-style-type: none"> • The role of radiochemistry and pre-clinical imaging in drug discovery - Neil Jarvis (South Africa) • Marine -discovery in Africa -past, present and future - Mike Davies-Coleman (South Africa) • Short talk on SA Research – Richard Gordon (South Africa) • Closure – Kelly Chibale (South Africa)
12h30	LUNCH