

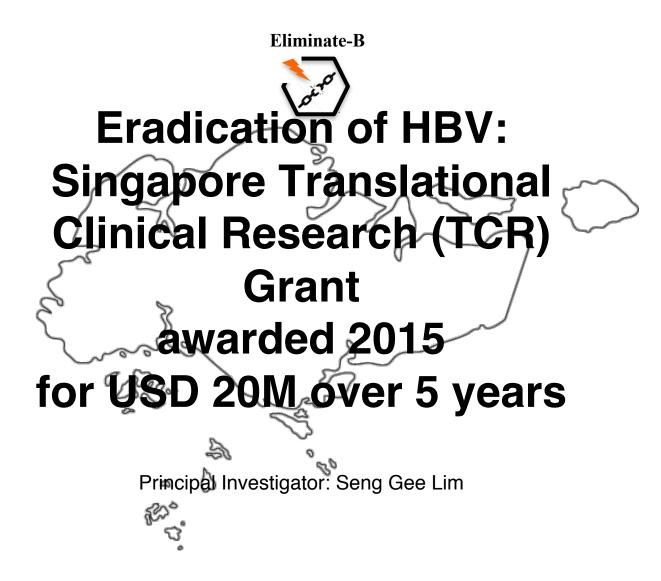


HBV Forum 1 November 15th 2016 Hyatt Regency Hotel Boston





Eradication of HBV: Singapore Translational Clinical Research (TCR) Grant Prof. Seng Gee Lim



Chronic Hepatitis B: A global health problem World health assembly 2010

World Health Assembly resolution 63.18 Calls for comprehensive approach to viral hepatitis by all nations

- Disease burden •
 - 350 million chronic patients globally
 - Large burden of liver failure, liver cancer
 - Leads to >800,000 deaths in Asia Pacific yearly
- **Pathogenesis: complex**
 - Virus-immune interaction : not well understood
 - Viral persistence via minichromosome
- Control
 - Good vaccine but will not affect disease burden forother 30-50 years
 - Existing therapies can control, not eradicate

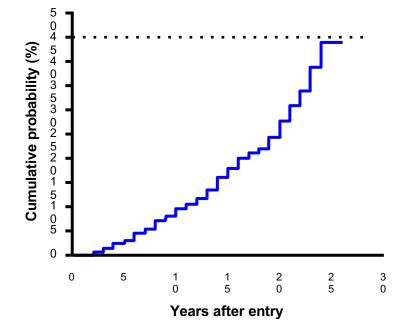






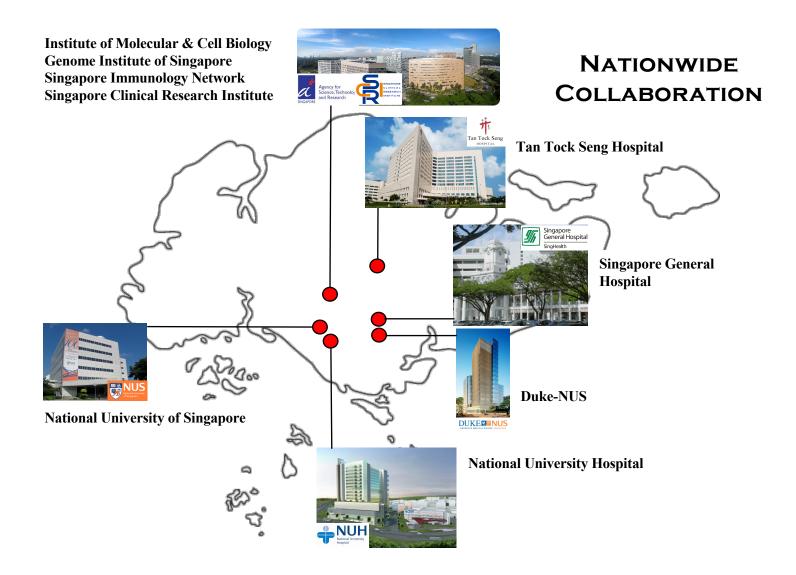
Can Chronic Hepatitis B be cured?

- The accepted definition of functional • cure of Chronic hepatitis B is loss of HBsAq
- In a long term study of inactive • Chronic Hepatitis B carriers, 45% lost HBsAg.....but it took 25 years!
- Thus, it is proven that Chronic • Hepatitis B can be cured, but it takes a long time
- The HBV TCR program aims to find • means to compress this time to as little as 1-2 years



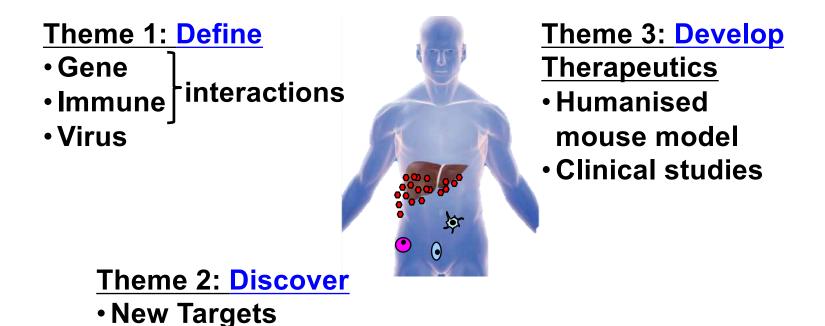
Chu, Liaw. Hepatology 2007;45:1187-1192:

HBV Forum 1\15NOV16



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Strategy for HBV eradication: A TCR application



HBV eradication = HBsAg loss







2 - 3 June 2017 · Singapore

Sharp focused updates in Hepatology

www.shc-sg.com Welcome to the Singap A.

Conterence

Chairman



In Partnership with:

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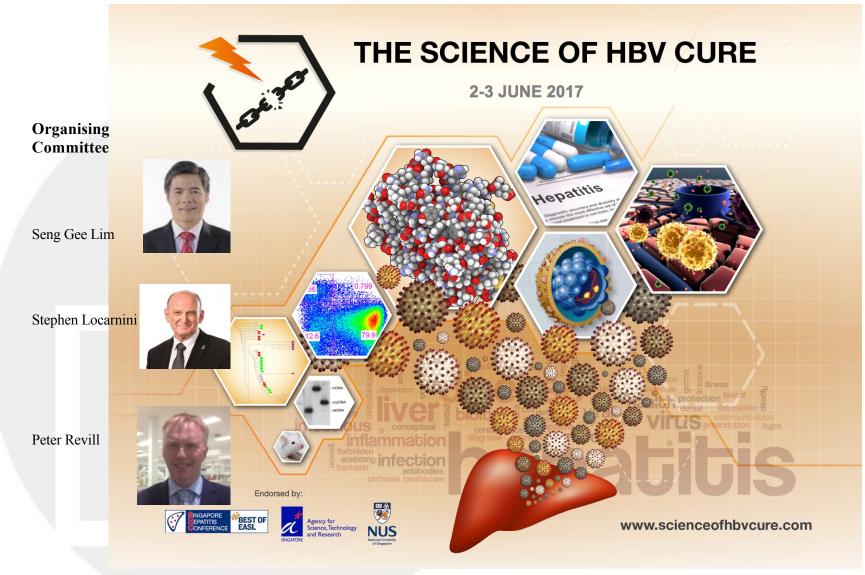




HBV Forum 1\15NOV16







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Day 1: June 2

Time	Programme
11:00 - 11:10	Opening address
	Definitions of cure: do we have consensus?
11:10 - 11:20	International Coalition to Eliminate Hepatitis B Virus (ICE-HBV)
11:20 - 11:30	HBV Forum: Consortium of academia, industry and regulators
11:30 - 12:00	Lessons from a HIV cure program
12:00 - 12:15	Q&A
12:15 - 13:00	Lunch
Viral Host Interaction	
13:00 - 13:20	The role of viral evolution in HBV
13:20 - 13:50	Free paper 1 with Q&A
Virology	
13:50 - 14:10	Viral lifecycle overview and potential therapeutic targets
14:10 - 14:40	Free Paper 2 with Q&A
14:40 - 15:00	Approaches to management of cccDNA
15:00 - 15:30	Free paper 3 with Q&A
15:30 - 15:50	Coffee break
Viral Entry and transcription	
15:50 - 16:10	Early events in establishment of HBV infection
16:10 - 16:25	Free paper 4 with Q&A
16:25 - 16:45	Transcription targets for HBV
16:45 - 17:00	Free paper 5 with Q&A
17:00 - 17:20	microRNA and CHB
17:20 - 17:35	Free paper 6 with Q&A
17:35	End of Day 1

Day 2: June 3

Immunology	
08:30 - 08:50	Role TLR in viral clearance in CHB
08:50 - 09:20	Free paper 7 with Q&A
09:20 - 09:40	NK cells in CHB and HBV clearance
09:40 - 10:10	Free paper 8 with Q&A
10:10 - 10:30	Chemokines and cytokines involved in CHB
10:30 - 10:45	Free paper 9 with Q&A
10:45 - 11:00	Coffee break
11:00 - 11:20	T cells in CHB: missing or exhausted?
11:20 - 11:50	Free paper 10 with Q&A
11:50 - 12:10	B cells in CHB: are they important?
12:10 - 12:25	Free paper 11 with Q&A
12:25 - 13:15	Lunch
Strategies	
13:15 - 13:25	Animal models in CHB
13:25 - 13:45	Therapeutic approaches to immune based therapy for CHB
13:45 - 14:05	Can we eradicate HBV using non-immune antiviral therapy alone?
14:05 - 14:20	Q&A
14:20 - 14:30	Tea Break
New Therapies in CHB	
14:30 - 17:10	Proposed sessions from the industry
	(each company will give a 20-minute presentation of their preclinical/
	clinical trial data. Format: 15mins presentation with 5mins Q&A)
16:50 - 17:10	Q&A
17:10 - 17:45	Combination Therapy Forum: which combinations can lead to a HBV
	cure: all industry presenters
17:45 - 18:00	Return to main meeting room for closing remarks from Chairman