Singapore Immunology Network
A*STAR

SIgN Immunology Seminar

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Jakarta, Indonesia

Host:	Dr Laurent Renia Singapore Immunology Network, A*STAR
Date:	Wednesday, 15th February 2012
Time:	3.30pm – 4.00pm
Venue:	SIgN Seminar Room, Immunos Building Level 4, Biopolis

Antimalarial drug discovery through natural products screening

Development and rapid spread of the malarial parasite resistance to the currently available antimalarial drugs have stimulated efforts to discover novel chemotherapeutics compounds that target different biochemical pathway (s) in the malarial parasite. The Malaria Laboratory at the Eijkman Institute for Molecular Biology since 2001 in collaboration with several universities in Indonesia has initiated an effort to explore the antimalarial properties of several medicinal plants that have been traditionally used as antimalrial remedies. The research activities to date have documented several compounds that possesses a strong antimalarial activities, such as cassane- and Norcassane-type diterpenes, mulberochromene, cycloartobiloxantone and kudraflavone C and all compounds are now further re-tested in vitro and in vivo to determine their mechanism of action (s) and to explore its potential to be developed into clinical test.

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