

ABOUT SYMPOSIUM

Malaysia is one of the 17 mega-diversity centres and is home to 10 percent of living organisms in the world, with an estimated 15,500 species of higher plants, 300 species of mammals and 189 species of amphibians. Embedded within the variety of flora and fauna are chemical diversity that may be developed into clinically useful drugs. Significantly, 74% of all anticancer compounds in use are derived in some way from a natural source, including camptothecin, etoposide, vinblastine and paclitaxel.

However, at least in the past decade, cancer drug development has moved away from general cytotoxic compounds that disrupt the cell's ability to divide and replicate, towards compounds that are able to specifically target key regulatory drivers of cancer initiation and development, including protein kinases such as tyrosine protein kinases and PI3 kinases, molecular chaperones such as HSP90, and a host of other targets. Notably, recent whole genome sequencing approaches on cancer suggested that while there are at least 70 mutations per cancer cell, the initiation and progression of cancer are driven by aberrations in only a small number of signaling and regulatory cellular pathways. Hence, targeting these pathways may be the key to finding effective therapeutics for controlling cancer.

The two-day symposium jointly organized by the Drug Discovery group in CARIF, the Malaysian office of British High Commission Science and Innovation Division, the Institute of Pharmaceuticals and Nutraceuticals (iPharm), Centre of Natural Product Research (CENAR) Universiti Malaya and Royal Society of Chemistry (RSC) aims to facilitate discussions between UK and Malaysia researchers on the development and use of various target-specific anti-cancer assays to study Malaysia's natural products. Many research groups in Malaysia are already studying our natural resources for bioactive compounds for various diseases including cancer. Introducing the local research communities to research groups in the UK who specialize in various target-specific cancer activities may lead to collaborations that result in discovery of more effective anti-cancer therapeutics based on natural products.

SYMPOSIUM LOCATION

The workshop will be held at Grand Dorsett Subang Hotel (formerly known as Sheraton Subang Hotel & Towers).



INTERNATIONAL SPEAKERS

Prof. Peter Parker
London Research Institute, Cancer Research UK

Prof. Roger Griffin
Northern Institute for Cancer Research,
Newcastle upon Tyne, UK

Prof. Ashok Venkitaraman
University of Cambridge & Medical Research Council, UK

Prof. Ronald Quinn
Eskitis Institute for Cell and Molecular Therapies
Griffith University, Australia

Dr. Elizabeth Patton
Edinburgh Cancer Research Centre, Cancer Research UK

Dr. Tim Hammonds
Cancer Research Technology, UK

Dr. Colin Wilde
AvantiCell Science Ltd, UK

Dr. Mark Butler
Institute for Molecular Bioscience,
University of Queensland, Australia

THE PROGRAMME

Wednesday 24th February 8:30am – 5:30pm

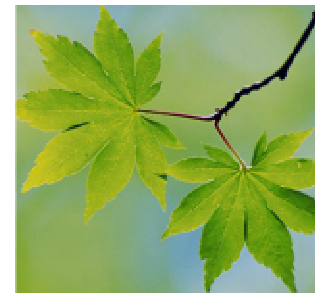
- Hallmarks of Cancer & Therapeutic Targets
- Systematically Mining Natural Products
- Challenges of Dereplication in Natural Products

Thursday 25th February 9am – 12:30pm

- NCI60 Cell-based Screening
- Zebrafish as Cancer Model
- Primary Cells in Cancer Drug Discovery/Development
- Bridging Academic Discoveries to Development

UK-MALAYSIA SYMPOSIUM on CANCER DRUG DISCOVERY & DEVELOPMENT

“UNEARTHING GREEN REMEDIES: FROM
BACKYARD TO BEDSIDE”



SUBANG JAYA 24-25 FEBRUARY 2010

CALL FOR PAPERS

ORGANIZED BY



CANCER RESEARCH INITIATIVES FOUNDATION
(CARIF)



British High Commission,
Malaysia



nature's portal to innovation



Advancing the
Chemical Sciences

CO-ORGANIZERS:

BRITISH HIGH COMMISSION (BHC) - SCIENCE AND
INNOVATION DIVISION

MINISTRY OF SCIENCE TECHNOLOGY AND INNOVATION
(MOSTI)

MALAYSIAN INSTITUTE OF PHARMACEUTICALS &
NUTRACEUTICALS (iPharm)

CENTER FOR NATURAL PRODUCTS RESEARCH AND DRUG
DISCOVERY (CENAR)

ROYAL SOCIETY OF CHEMISTRY (RSC)

WORKSHOP OBJECTIVES

To support and promote collaboration between scientists in the UK and Malaysia in the fields of Drug Discovery and Development for Cancer.

To organize activities including a two-day seminar and round-table discussions to enable researchers to spend time with potential partner institutions to gain an in-depth understanding of their research and formulate proposals for future collaborative research and funding opportunities.

To facilitate opportunities for technology transfer of assay technologies from expert laboratories in UK to Malaysia through collaborative research.

To facilitate opportunities for commercialization and drug development of potential targets from natural products with UK through collaborative research.

WHO SHOULD ATTEND

Researchers (Chemists & Biologists)

Lecturers

Students

Anyone who is interested in cancer and cancer drug discovery

REGISTRATION

Admission to the symposium is free of charge but all participants are requested to register **early and before 5th February 2010** via fax or email or mail. Participants are also strongly encouraged to submit an abstract to showcase local research. A number of prizes and outstation travel bursaries are available based on the merit of the submitted abstract.

CALL FOR ABSTRACTS

ABSTRACT SUBMISSION DEADLINES

Oral/Poster Presentations

A 250 words abstract using the following format must be submitted by e-mail before **5th January 2010**.

Notification of acceptance will be e-mailed to authors by **19th January 2010**.

INSTRUCTIONS FOR AUTHORS

Abstracts:

- Indicate the most appropriate topic to your abstract
- Written in English
- On one page of A4 format
- Times New Roman, font size 12 (title and body text)

- Title must be **BOLD**.
- Underline the name of the presenting author (font size 11).
- State the INSTITUTION NAME(s), address(s) and e-mail's of corresponding author (*Italicized*, font size 10).
- Contents should include introduction and brief explanation on the results and implications.
- One diagram can be included if necessary.
- Save abstract file name as Topic group number "(1, 2, 3, 4 or 5)-presenting author name.doc".

Abstracts will be published in **book form** along with the symposium programme and the **poster DVD**.

Topics for Abstracts:

General topic grouping (please indicate most appropriate):

- 1. In vitro extract screening**
 - a. Extract screening/in vitro pharmacological testing
 - b. Herbal extract screening and development
- 2. Pure compound isolation and screening**
 - a. Natural product pure compound isolation/identification
 - b. Medicinal chemistry/semi-synthesis
 - c. Synthetic compound library screening
- 3. In vitro cancer screening/development**
 - a. Whole cell assays, MTT, HCS, etc
 - b. Molecular assays
- 4. In vivo testing/lead development**
 - a. PK/PD
 - b. Formulation
 - c. Mode of action
- 5. Clinical research**
 - a. Clinical testing
 - b. Pathogenesis
 - c. Gene profiling

Topic categories will be used to organize poster sessions according to research field to create a clear environment for researchers to seek out potential collaborators and complementary research.

Posters:

- In A0 size (841mm wide x 1189mm long)
- Submit in full size PDF format before **5th February, 2010** for compilation into a DVD. The abstracts for posters with PDF's submitted to the organizers before this deadline will be published in a special edition of an indexed journal.

Oral Presentations:

- Two posters from each topic category will be selected for 5 minutes oral presentations of not more than 5 slides at the symposium in order to showcase top research.

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**"UNEARTHING GREEN REMEDIES: FROM
BACKYARD TO BEDSIDE"**

SUBANG JAYA 24-25 FEBRUARY

Registration Form

Name

Address

Phone

E-mail Address

Abstract Title

Tick if wish to apply for outstation travel bursary.

Completed registration forms are to be submitted by e-mail, fax or snail mail to the following address:

**Cancer Research Initiatives Foundation
Sime Darby Medical Centre
2nd Floor, Outpatient Centre,
47500 Subang Jaya,
1, Jalan SS12/1A,
Selangor Darul Ehsan.**

Phone: +603-5639 1874

Fax: +603-5639 1875

E-mail: conf@carif.com.my

Contact person: Cik Norazwana Samat

For the latest information, please visit www.carif.com.my