

1. Patron: YM Tunku Tan Sri Dato' Seri Ahmad Yahaya
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7. YBhg Tan Sri Dato' Dr Ir Gan Thian Leong
8. YBhg Dato' Anne Eu

At Cancer Research Malaysia (CRM), our ultimate goal is to make the "Big C" a small reverse "c". We believe there will come a day when cancer is a disease that can be managed and controlled. Without this incredible fear, we hope Malaysians will respond differently to cancer and in turn, coming forward for screening, presenting early and going through with treatment.

As the leading independent non-profit research organisation in Malaysia that is dedicated to conduct impactful research and find ways to prevent, detect, diagnose, and cure cancer, CRM is overseen by a strong and involved Board of Trustees.

## AT A GLANCE



Established in 2000 as Cancer Research Initiatives Foundation (CARIF)



97 Awards in 10 Years\*



5 programmes: Breast, Familial, Oral, Nasopharyngeal and Drug Discovery



40++ Team of Scientists



First in Malaysia to get Wellcome Trust Grant



Recipient of 4 Newton-Ungku Omar Fund Grants + 1 Global Research Challenge Award by Medical Research Council UK + 3 Terry Fox Run Research Grant

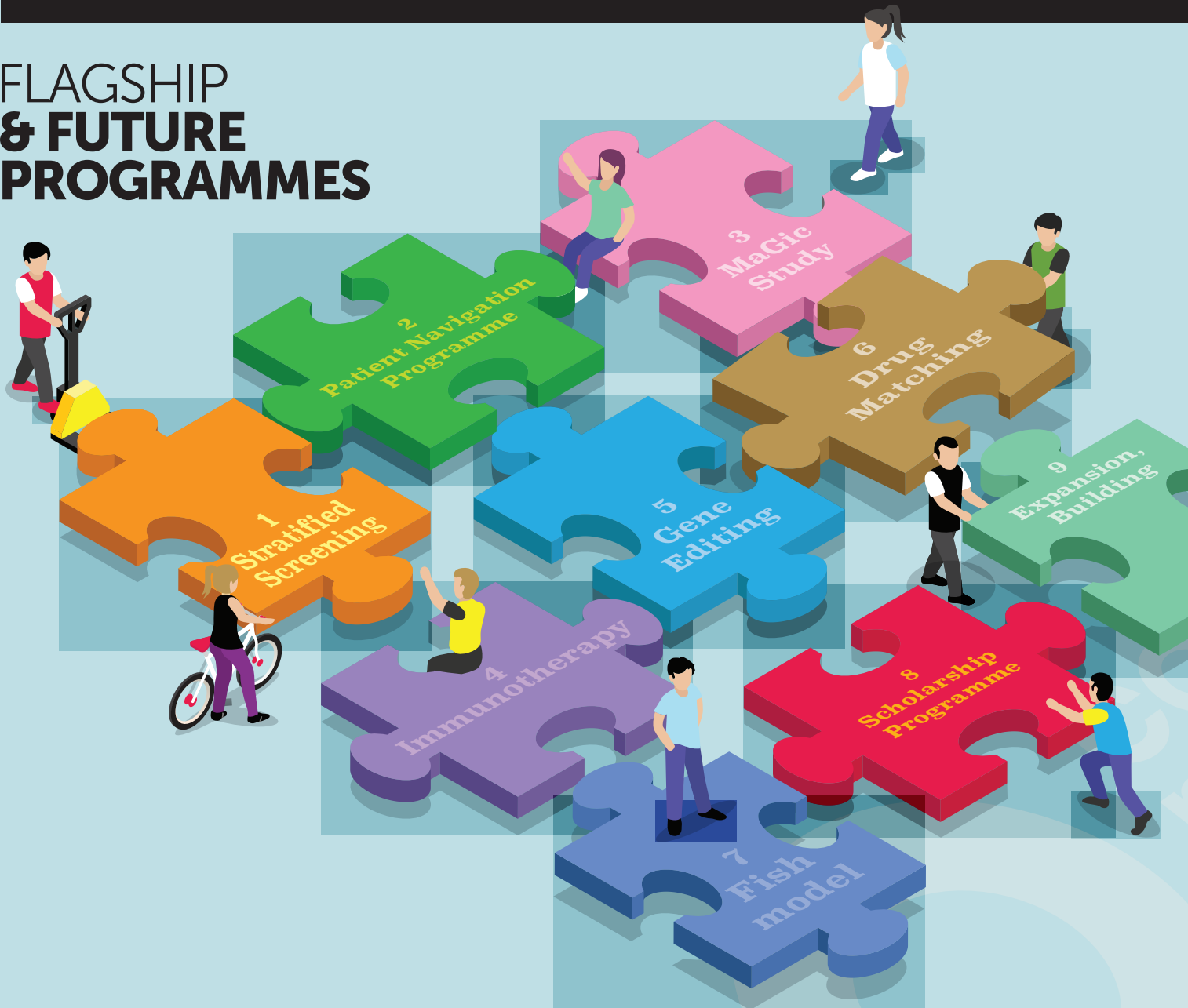


167 Scientific Publications in 10 Years\*



The Only Non-profit Organisation in Malaysia Dedicated to Cancer Research

# FLAGSHIP & FUTURE PROGRAMMES



- 1** Challenge: Breast cancer risks in Asian women is too broad for personalised screening and prevention programmes.

Stratified Screening: Determine breast cancer risks for Asian women, funded by Wellcome Trust.

- 2** Challenge: Poor compliance to breast cancer treatment due to various barriers.

Patient Navigation Programme: Integration of hospital-based treatment and community services to improve treatment compliance and survivorship, funded by SLPGA.

- 3** Challenge: Limited access to genetic counselling.

MaGic Study: Clinical trial to train doctors to provide genetics counselling to the masses, funded by Astra Zeneca.

- 4** Challenge: Cure oral cancer and make a difference to almost 4.1 million cancer patients worldwide.

Immunotherapy: Develop a peptide vaccine that trains one's immune system to identify and destroy cancer cells, funded by Newton-Ungku Omar grant.

- 5** Challenge: Pin down genes that are crucial to cancer survival so that appropriate therapies could be developed to target these genes.

Gene Editing: Use gene editing technology (CRISPR/Cas9) to identify critical genes that are responsible for cancer survival, (meaning, without those genes, cancer dies), funded by Newton-Ungku Omar grant.

- 6** Challenge: Shorten duration from drug discovery to final medication.

Drug Matching: Develop algorithm to rapidly match existing drugs to various cancers.

- 7** Challenge: Expensive and time-consuming animal studies.

Fish model: Use Zebrafish as a rapid model system for curing human diseases.

- 8** Challenge: Nurture human talents and build capacity for cancer research in Malaysia

Scholarship Programme: Administer the award of scholarships on behalf of corporate companies for cancer research candidates

- 9** Challenge: Expand research programmes into other cancers such as Prostate, Colorectal, Lung etc.

Expansion: Fundraising (public and corporates) and apply for local and global grants.

Building: Build an integrated cancer research centre that is connected to a hospital or a cancer institute so that all programs can be conducted under the same roof where resources can be shared and optimised.

# How YOU CAN CONTRIBUTE



Advocate and talk about the importance of cancer research



Urge policy makers to make cancer research a national priority



Pick CRM as CSR-of-Choice



Invite CRM to conduct talks and outreach programmes



Organise fundraisers



Sponsor a scientist



Explore a career with CRM



Volunteer!



## Some of our many ACTIVITIES



Klinik HSE & Rakan-Rakan at Petronas



Breast Cancer Awareness Fundraiser, The Estée Lauder Companies



"Rise and Fall of Little Voice" Charity Premier and Dinner, Joseph Eu Foundation



Sime Darby LPGA



BE FRANK volunteering program with college students



Bald and Beautiful II, Khind's Starfish Foundation



Outreach programme in collaboration with Grace Community Services



Talks & Laboratory Visits

Donations of RM50 and above are tax exempt under Section 44(6) of the Income Tax Act 1967.

# COLLABORATIONS WITH RENOWNED INSTITUTIONS



**World's first oral cancer vaccine may be ready for clinical**

高嘉南在癌症研究機構及亞齊大學醫學院2016年與亞齊大學醫學院一組科學家合作，共同開發一種口服疫苗，以治療口腔癌。

這項研究是由高嘉南與亞齊大學醫學院的科學家合作，共同開發一種口服疫苗，以治療口腔癌。這項研究是由高嘉南與亞齊大學醫學院的科學家合作，共同開發一種口服疫苗，以治療口腔癌。

**Merawat kanser melalui profil tumor**

WUJIA LI (PhD) adalah seorang ahli biologi molekular dan kanser yang berkecimpung dalam bidang penyelidikan kanser. Beliau telah menghabiskan masa selama 10 tahun dalam bidang penyelidikan kanser di Universiti Cambridge, United Kingdom.



**NEWTON-UNGKU OMAR FUND**

- Using CRISPR-Cas9 technology to identify critical genes responsible to cancer survival
- Collaborators: Wellcome Trust Sanger Institute
- Award worth ~GBP 172,000

**NEWTON-UNGKU OMAR FUND**

- Development of polygenic breast cancer risk prediction model for Asian women
- Collaborators: University Malaya, National University Hospital Singapore
- Award worth GBP 200,000

**TERRY FOX RUN-CANCER RESEARCH MALAYSIA RESEARCH GRANT**

- Establishing pre-clinical evaluations to facilitate early selection of promising drug candidates prior to entering expensive and time-consuming stages of drug development.
- Collaborators: University Malaya
- Award worth RM 107,743

**NEWTON-UNGKU OMAR FUND**

- Immunotherapy for Head & Neck cancer
- Collaborators: University of Southampton
- Award worth ~GBP 216,000

**NEWTON-UNGKU OMAR FUND**

- Multi-omic analysis of Asian breast cancers
- Collaborators: University of Cambridge
- Award worth GBP 188,444

**TERRY FOX RUN-CANCER RESEARCH MALAYSIA RESEARCH GRANT**

- Characterisation of novel anti-lymphangiogenic Malaysian natural product-derived compounds.
- Collaborators: University Malaysia Sabah
- Award worth RM 115,000

**MEDICAL RESEARCH COUNCIL UK GLOBAL RESEARCH CHALLENGE**

- Immunotherapy for oral cancer prevention and treatment
- Collaborators: University of Southampton
- Award worth GBP 600,000

**WELLCOME TRUST COLLABORATIVE AWARD**

- Development of a breast cancer risk prediction model for Asian women
- Collaborators: University of Cambridge, University of Nottingham Malaysia Campus, University Malaya, National University Hospital Singapore
- Award worth GBP 772,390

**TERRY FOX RUN-CANCER RESEARCH MALAYSIA RESEARCH GRANT**

- Drug repurposing for Nasopharyngeal Cancer
- Award worth RM 100,000



"Cancer Research Malaysia has established clinical services which otherwise would not have been available in Malaysia."

*-Emeritus Professor Dato' Dr Yip Cheng Har, CRM's Lead Clinician for Breast Cancer Research and consultant breast surgeon in the University Malaya Medical Centre*



"CRM's studies and efforts span oral cancer detection, biobanking strategies, mass media approaches to promote oral cancer awareness and early detection, to genomic alterations and immune therapies in oral cancer. As such, it is clear that CRM is a driving force in the local and global oral cancer scientific and public health community."

*-Professor J. Silvio Gutkind, University of California, San Diego*



"CRM has an extensive collection of cells and a lot of deep understanding of head and neck cancers. This, coupled with our technology for silencing genes one at a time to look for new drug targeting, becomes a powerful recipe, hopefully for success."

*-Dr. Ultan McDermott, Group Leader in the Cancer Genome Project, Wellcome Trust Sanger Institute*

# NOTABLE QUOTES

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