



## PERSONAL INFORMATION

Name	Nur Syamimi Ariffin
Current Position	Senior lecturer
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Researcher ID	AAJ-3580-2020

## ACADEMIC QUALIFICATIONS

Ph.D. (Pharmacology)	University of Manchester, UK	24/11/2017
M.Sc. (Pharmacology)	University of Otago, NZ	15/12/2012
B.Sc. (Biomedical Sciences) (Hons.)	Universiti Putra Malaysia, MY	12/06/2008

## **CAREER HISTORY**

Senior lecturer	Faculty of Pharmacy, UiTM, MY	25/06/2018 - present
Visiting scientist	Division of Infection, Immunity and Respiratory Medicine, University of Manchester, UK	09/10/2017 - 30/03/2018
Demonstrator	Faculty of Biology, Medicine and Health, University of Manchester, UK	01/11/2015 - 31/03/2017
Lecturer	Faculty of Pharmacy, UiTM, MY	01/03/2013 - 01/07/2014
Research Assistant	Universiti Putra Malaysia, MY	01/08/2008 - 31/12/2008

## **PROFESSIONAL MEMBERSHIPS**

<b>Professional body</b>	<b>Membership type</b>	<b>Date</b>
European Society for Medical Oncology (ESMO)	Member	13/06/2022-12/06/2025
Malaysian Association for Cancer Research (MACR)	Lifetime member	18/07/2019-present
The European Association for Cancer Research (EACR)	Young investigator	20/11/2018-31/08/2023
The British Association for Cancer Research (BACR)	Member	03/10/2015-01/01/2017

## **RESEARCH AREA OF SPECIALIZATION**

I worked with the Shore group at the University of Manchester, United Kingdom, during my PhD study where I established and characterized stable knockout cell lines using a double nickase CRISPR-Cas9 strategy. The project also incorporated a pharmacological approach to analyze the phenotypic changes in the knockout cell lines. In addition to that, I was trained to run a computerized experimentations using the CellProfiler and Imaris, coupling with the wound healing assay in vitro, for the analysis of cell migration in breast cancer cell lines. These projects, together with other knowledge and skills I gained during the study, as well as by working with the Giles group during my Master's degree at the University of Otago, New Zealand, allowed me to specialize in the following area:

1. Genetics
2. Pharmacology
3. Cancer therapeutics
4. Molecular cancer biology

## ACADEMIC TEACHING RESPONSIBILITY

<b>Code</b>	<b>Course</b>	<b>Credit hour</b>
PHC461	Principles of Pharmacology	2
PHC502	Respiratory, Renal Systems & Pharmacotherapeutics	2
PHC503	Cardiovascular System & Pharmacotherapeutics	3
PHC630	Toxicology	2
PHC636	Cancer Chemotherapeutics	2
PHC561	Pharmacology of Drugs Affecting the Respiratory and GI System	2
PHC610	Research I	2
PHC632	Research II	3
NAD555	Pharmacology	2
OPT501	Ocular Pharmacology	2
OPT601	Basic Pharmacology	2

## ACADEMIC AWARDS

1. Gold award for Teaching and Learning Poster Ideas (TALPI) 1/10/2021
2. Gold award for MOOC Development, e-Condev 20/08/2021
3. Silver award for the RUNX1-CRISPR Genomic Editing Tool, Pharm-IIDEX 10/08/2021
4. Silver award for the Vintage Leverage, IDEX 11/09/2019
5. Silver award for the Vintage Leverage, Pharm-IIDEX 01/08/2019
6. Bronze award for the RUNX1-CRISPR Genomic Editing Tool, IDEX 01/11/2021

## INTELLECTUAL PROPERTY RIGHTS

<b>No.</b>	<b>Copyright</b>	<b>Reference number</b>
1	Vintage Leverage: Vacuum Aspiration System	CRLY00019453
2	The RUNX1-CRISPR Genomic Editing Tool	CRLY2022W03285
3	SDQ for the evaluation of sleep quality	600-BITCOM(IP. 5/2/6/3/CP)

## PEER REVIEW

<b>No.</b>	<b>Journal (number of review)</b>	<b>ISSN</b>
1	Gene (2)	<a href="#">1879-0038</a>
2	Medicina (2)	<a href="#">1648-9144</a>
3	World journal of surgical oncology (1)	<a href="#">1477-7819</a>
4	International Journal of Molecular Sciences (3)	<a href="#">1422-0067</a>

## **PUBLISHED ARTICLES**

1. **Ariffin, N.S.** The CellProfiler pipeline analysis of cell migration. *Acta Histochemica*. 2023; 125(7), 152074-152074. <https://doi.org/10.1016/j.acthis.2023.152074>
2. **Ariffin, N.S.** RUNX1 as a novel molecular target for breast cancer. *Clin. Breast Cancer*. 2022; 22 (6): 499-506. <https://doi.org/10.1016/j.clbc.2022.04.006>
3. Al-Obaidi, J.R., Alobaidi, K.H., Al-Taie, B.S., Wee, D.H.S., Hussain, H., Jambari, N.N., Ahmad-Kamil, E.I., **Ariffin, N.S.** Uncovering Prospective Role and Applications of Existing and New Nutraceuticals from Bacterial, Fungal, Algal and Cyanobacterial, and Plant Sources. *Sustainability*. 2021; 13 (7): 3671. <https://doi.org/10.3390/su13073671>.
4. Ran, R., Harrison, H., **Ariffin, N.S.**, Ayub, R., Pegg, H.J., Deng, W., et al. A role for CBF $\beta$  in maintaining the metastatic phenotype of breast cancer cells. *Oncogene*. 2020; 39 (12): 2624–37. <https://doi.org/10.1038/s41388-020-1170-2>

## **PUBLISHED PROCEEDINGS & POSTERS**

1. **Ariffin, N.S.** The landscape of RUNX1 mutations in breast cancer and its therapeutic potential. *F1000Research*. 2023, 12: 318. <https://doi.org/10.7490/f1000research.1119397.1>
2. **Ariffin, N.S.** The landscape of RUNX1 mutations in breast cancer and its therapeutic potential. *Ann. Oncol.* 2022; 33: S235. <https://doi.org/10.1016/j.annonc.2022.03.265>
2. Dual Roles Of RUNX1 In Breast Cancer. International Conference on Drug Discovery Translational and Medicine 2021 (ICDDTM '21). *MJMHS*. 2022; 18 (1). [https://medic.upm.edu.my/jurnal\\_kami/malaysian\\_journal\\_of\\_medicine\\_and\\_health\\_sciences\\_mjmhs/mjmhs\\_vol18\\_supp\\_1\\_january\\_2022-64824](https://medic.upm.edu.my/jurnal_kami/malaysian_journal_of_medicine_and_health_sciences_mjmhs/mjmhs_vol18_supp_1_january_2022-64824)
3. RUNX1 Genomic Engineering Using a Double Nickase CRISPR-Cas9 Strategy. *YSN-ASM International Scientific Virtual Conference (IVSC) 2021*. *ASM Sci. J.* 2021; 16. <https://doi.org/10.32802/asmscj.2021.isvc>
4. MDA-MB-231 cells are resistant to low concentrations of medroxyprogesterone. 4<sup>th</sup> Asian Conference in Pharmaceutical Sciences (Asia Pharm IV). *BMC Proc.* 2019; 13 (9). <https://doi.org/10.1186/s12919-019-0168-7>
5. A potential role of norethisterone (ED-4) as an anti-metastatic drug against triple-negative breast cancer cells. 4<sup>th</sup> Asian Conference in Pharmaceutical Sciences (Asia Pharm IV). *BMC Proc.* 2019; 13 (9). <https://doi.org/10.1186/s12919-019-0168-7>

## **PUBLISHED THESES**

1. **Ariffin, N.S.** The mesenchymal-like phenotype of metastatic breast cancer is maintained by the transcription factor RUNX1. University of Manchester. 2017. <https://www.semanticscholar.org/paper/The-mesenchymal-like-phenotype-of-metastatic-breast-Ariffin/a86464850880885f499006369e454dd0d52ead4f>
2. **Ariffin, N.S.** Crosstalk between iron homeostasis and nitric oxide signalling: Impact on cancer cell viability. University of Otago. 2012. <https://www.semanticscholar.org/paper/Crosstalk-Between-Iron-Homeostasis-And-Nitric-Oxide-Ariffin/869668e55ba00165ef7a791e73d99f3d1bf15087>
3. **Ariffin, N.S.** Anti-inflammatory effect of *Kaempferia Galanga* in rats. Universiti Putra Malaysia. 2008.

## **PUBLISHED MAGAZINES**

1. **Ariffin, N.S.** Research and Relax: The Post-Covid-19 Situation. The Cancer Researcher Magazine, Published by EACR, 5 July 2023. <https://magazine.eacr.org/research-and-relax-the-post-covid-19-situation/>
2. **Ariffin, N.S.** Restricted movement, working from home, what about research?!. The Cancer Researcher Magazine, Published by EACR, 9 July 2021. <https://magazine.eacr.org/resctricted-movement-working-from-home-what-about-research/>
3. **Ariffin, N.S.** A Day in the Life: "The world economic crisis really affects research in Malaysia", The Cancer Researcher Magazine, Published by EACR, 10 September 2019. <https://magazine.eacr.org/a-day-in-the-life-nur-syamimi-ariffin-the-world-economic-crisis-really-affects-research-in-malaysia/>

## **CONFERENCES**

1. ESMO Breast Cancer Congress 2023, 11-13 May 2023, Organised by European Society for Medical Oncology (ESMO).
2. 35th Scientific Meeting: Malaysian Society of Pharmacology & Physiology, 26-28 July 2022, Organised by Malaysian Society of Pharmacology & Physiology (MSPP).
3. ESMO Breast Cancer Congress 2022, 3-5 May 2022, Organised by European Society for Medical Oncology (ESMO).
4. International Conference on Drug Discovery and Translational Medicine 2021 (ICDDTM 2021), 7-9 December 2021, Organised by Malaysia Association for Cancer Research (MACR).
5. World CRISPR Day, 20 October 2021, Organised by Synthego Corporation.

6. IBRO-APRC: Associate School of Neuroscience, 2-6<sup>th</sup> August 2021, Organised by Faculty of Pharmacy, Universiti Teknologi MARA.
7. 1<sup>st</sup> EACR Early Researchers Conference, 6-7<sup>th</sup> July 2021, Organised by European Association for Cancer Research.
8. YSN-ASM International Scientific Virtual Conference (ISVC) 2021, 29<sup>th</sup> March – 1<sup>st</sup> April 2021, Organised by Academy of Sciences Malaysia.
9. ICDDTM'21 Satellite Symposium: Emerging Technologies in Precision Medicine, 8<sup>th</sup> January 2021, Organised by UPM, USM, UiTM, Monash University, Taylor's University, MACR, GHHS Healthcare, Eman Biodiscoveries Sdn.Bhd.
10. International Research Network Initiative, 2<sup>nd</sup> December 2020, Organised by the Faculty of Pharmacy, Universiti Teknologi MARA.
11. World CRISPR Day, 20<sup>th</sup>-21<sup>st</sup> October 2020, Organised by Synthego Corporation.
12. EACR 2020 Virtual Congress, 18-19<sup>th</sup> June 2020, Organised by EACR.
13. Joint Conferences: Asia Pharm IV and 1<sup>st</sup> JoPPP Conference on Pharmaceutical Policy and Practice, Concorde Hotel, Shah Alam, Malaysia, 28-29<sup>th</sup> August 2019.
14. Second TYAN-YSN International Thematic Workshop, AKEPT, Malaysia, 29<sup>th</sup> October - 2<sup>nd</sup> November 2018.
15. IBRO-APRC: Associate School of Neuroscience, 24-25<sup>th</sup> September 2018, Organised by Faculty of Pharmacy, Universiti Teknologi MARA.
16. Second Global Insight Conference on Breast Cancer, Rome, Italy, 4-6<sup>th</sup> September 2017.
17. Manchester Breast Centre (MBC) PhD Student and Post-Doc Symposium, University of Manchester, 14<sup>th</sup> July 2017. (Won second best speaker)
18. Manchester Life Sciences PhD Conference, University of Manchester, 6<sup>th</sup> May 2016.
19. Postgraduate Summer Research Showcase, Whitworth Hall, University of Manchester, 30<sup>th</sup> June 2016.
20. Annual Manchester Breast Centre PhD Student and Post-Doc Symposium, Michael Smith Building, University of Manchester, 28<sup>th</sup> July 2016.
21. 8<sup>th</sup> Annual Manchester Breast Centre Symposium, Manchester Cancer Research Centre, United Kingdom, 21<sup>st</sup> October 2016.
22. BACR Special Conference on Breast Cancer, SAGE Newcastle/Gateshead, 7-9<sup>th</sup> October 2015.