

PROFILE		
1	NAME	Nur Syamimi Ariffin
2	ACADEMIC POSITION	Dr
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	PhD (Pharmacology), University of Manchester – 2017; MSc (Pharmacology), University of Otago – 2012; BSc (Hons) (Biomedical Sciences), Universiti Putra Malaysia – 2008.
6	WORKING EXPERIENCE	Senior lecturer Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam Campus, 25 June 2018- present
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> ● PHC513 ● PHC610 ● PHC615 ● PHC630 ● PHC632 ● PHC636
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> ● Pharmacology ● Molecular cancer
9	PUBLICATIONS	<p>Journal articles</p> <ol style="list-style-type: none"> 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 β in maintaining the metastatic phenotype of breast cancer cells. *Oncogene*. 2020; 39 (12): 2624–37. <https://doi.org/10.1038/s41388-020-1170-2>

Conference papers and proceedings

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>
3. **Ariffin, N.S.** 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/journal_of_medicine_and_health_sciences_mjmhs_vol18_supp_1_january_2022-64824
4. **Ariffin, N.S.** 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>
5. MDA-MB-231 cells are resistant to low concentrations of medroxyprogesterone. 4th Asian Conference in Pharmaceutical Sciences (Asia Pharm IV). *BMC Proc*. 2019; 13 (9). <https://doi.org/10.1186/s12919-019-0168-7>

6. A potential role of norethisterone (ED-4) as an anti-metastatic drug against triple-negative breast cancer cells. 4th Asian Conference in Pharmaceutical Sciences (Asia Pharm IV). BMC Proc. 2019; 13 (9). <https://doi.org/10.1186/s12919-019-0168-7>

Newspapers and popular 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/>

Dissertation and 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->

		<p>Ariffin/869668e55ba00165ef7a791e73d99f3d1bf15087</p> <p>3. Ariffin, N.S. Anti-inflammatory effect of <i>Kaempferia Galanga</i> in rats. Universiti Putra Malaysia. 2008.</p>
10	RESEARCH GRANTS	<ol style="list-style-type: none"> 1. Unravelling the TGFβ-RUNX1-SMAD3 signalling axis for the targeted treatment of metastatic breast cancer. FRGS. 1 October 2023 – 30 September 2026. RM 171,500. Principal Investigator. 2. RUNX1 genomic engineering using a double nickase CRISPR-Cas9 strategy. FRGS-RACER. 1 September 2019 – 31 August 2022. RM 51,200. Principal Investigator. (Completed) 3. Exploring the potential neuroprotective properties of Astaxanthin nano emulsion in modulating brain insulin resistance in an Alzheimer’s disease rat model. KEPU. 1 January 2023 – 31 December 2024. RM 40,000. Member.
11	AWARDS	<ol style="list-style-type: none"> 1. Silver award for MOOC Development, e-Condev, 30/08/2023 2. Gold award for the Custom CellProfiler Pipeline, Pharm-IIDEX, 16/08/2023 3. Gold award for Teaching and Learning Poster Ideas (TALPI), 1/10/2021 4. Gold award for MOOC Development, e-Condev, 20/08/2021 5. Silver award for the RUNX1-CRISPR Genomic Editing Tool, Pharm-IIDEX, 10/08/2021 6. Silver award for the Vintage Leverage, IIDEX, 11/09/2019 7. Silver award for the Vintage Leverage, Pharm-IIDEX, 01/08/2019 8. Bronze award for the RUNX1-CRISPR Genomic Editing Tool, IIDEX, 01/11/2021

12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<p>Member, Malaysian Association for Cancer Research (MACR), 18/07/2019-lifetime</p> <p>Member, European Society for Medical Oncology (ESMO), 13/06/2022-12/06/2025</p> <p>Member, The European Association for Cancer Research (EACR), 31/08/2023-30/08/2024</p>
13	PARTICIPATION IN CONTINUING EDUCATION	<p>Conferences:</p> <ol style="list-style-type: none"> 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, 2-6th August 2021, Organised by Faculty of Pharmacy, Universiti Teknologi MARA. 7. 1st EACR Early Researchers Conference, 6-7th July 2021, Organised by European Association for Cancer Research. 8. YSN-ASM International Scientific Virtual Conference (ISVC) 2021, 29th March – 1st April 2021, Organised by Academy of Sciences Malaysia.

		<ol style="list-style-type: none">9. ICDDTM'21 Satellite Symposium: Emerging Technologies in Precision Medicine, 8th January 2021, Organised by UPM, USM, UiTM, Monash University, Taylor's University, MACR, GHHS Healthcare, Eman Biodiscoveries Sdn.Bhd.10. International Research Network Initiative, 2nd December 2020, Organised by the Faculty of Pharmacy, Universiti Teknologi MARA.11. World CRISPR Day, 20th-21st October 2020, Organised by Synthego Corporation.12. EACR 2020 Virtual Congress, 18-19th June 2020, Organised by EACR.13. Joint Conferences: Asia Pharm IV and 1st JoPPP Conference on Pharmaceutical Policy and Practice, Concorde Hotel, Shah Alam, Malaysia, 28-29th August 2019.14. Second TYAN-YSN International Thematic Workshop, AKEPT, Malaysia, 29th October - 2nd November 2018.15. IBRO-APRC: Associate School of Neuroscience, 24-25th September 2018, Organised by Faculty of Pharmacy, Universiti Teknologi MARA.16. Second Global Insight Conference on Breast Cancer, Rome, Italy, 4-6th September 2017.17. Manchester Breast Centre (MBC) PhD Student and Post-Doc Symposium, University of Manchester, 14th July 2017. (Won second best speaker)18. Manchester Life Sciences PhD Conference, University of Manchester, 6th May 2016.19. Postgraduate Summer Research Showcase, Whitworth Hall, University of Manchester, 30th June 2016.20. Annual Manchester Breast Centre PhD Student and Post-Doc Symposium, Michael Smith
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14	COMMUNITY SERVICES	<ul style="list-style-type: none"> ● Facilitator, Program Pengurusan Emosi Sekolah Kebangsaan Puncak Alam (2), 2023 ● Participant, Program Pelajar Angkat Sekolah Kebangsaan Puncak Alam, 2023 ● Participant, Program USR Kemboja, 2022