

CURRICULUM VITAE



Name: Dr Nurul Akmaryanti Abdullah
 Position: Senior lecturer
 Department: Department of Biomedical Sciences,
 Faculty of Medicine and Health Sciences
 Universiti Putra Malaysia
 43400 UPM Serdang, Selangor

Email: nurulakmar@upm.edu.my
 ORCID: <https://orcid.org/0000-0001-5161-9194>
 Google Scholar:

Education

Qualification obtained: Doctor of Philosophy
 Field of study : Clinical Oncology
 University : University of Nottingham, United Kingdom

Areas of Interest

1. Cancer
2. Stem Cells
3. Radiation biology
4. Physiology
5. Drug discovery

Professional Qualification/ Membership/ Affiliation

1. American Association of Cancer Research (AACR)
2. European Association of Cancer Research (EACR)
3. British Association of Cancer Research (BACR)

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. 2022-2023	Program Coordinator	Department of Biomedical Sciences
2. 2023-Present	Academic Advisor Coordinator	Department of Biomedical Science

Publications

Journals (in 5 years)

1. Yusoff, A. A. M., **Abdullah, N. A.**, Ahmad, T. A. F. T., Ahmad, N. E. Q., Hashim, N. F. M., & Zakuan, N. M. (2024). Flightless I as a molecular target to inhibit radiation-induced colorectal cancer metastasis.
2. **Abdullah, N. A.**, Hashim, N. F. M., Zakuan, N. M., & Xin, C. J. (2024). Thioredoxin system in colorectal cancer: Its role in carcinogenesis, disease progression, and response to treatment. *Life Sciences*, 122711.
3. Ahmad, N. E. Q., Yusoff, A. A. M., Hashim, N. F. M., **Abdullah, N. A.**, & Zakuan, N. M. (2024). Dimethyloxalylglycine (DMOG)-Induced Hypoxia Promotes Migratory and Invasive Properties of HCT116 Colon Cancer Cell Line. *Sains Malaysiana*, 53(6), 1333-1341.
4. Jamil N.A., Chong H.L., **Abdullah, N. A.**, Hashim, N. F. M., Zakuan, N. M. Zerumbone: A potent emerging phytochemical with anticancer therapeutic potential. Penerbit Universiti Kebangsaan Malaysia.
5. **Abdullah, N. A.**, Inman, M., Moody, C. J., Storr, S. J., & Martin, S. G. (2021). Cytotoxic and radiosensitising effects of a novel thioredoxin reductase inhibitor in breast cancer. *Investigational New Drugs*, 39(5), 1232-1241.
6. **Abdullah, N. A.**, Md Hashim, N. F., Ammar, A., & Muhamad Zakuan, N. (2021). An insight into the anti-angiogenic and anti-metastatic effects of oridonin: current knowledge and future potential. *Molecules*, 26(4), 775.
7. Hamad, H. A., Enezei, H. H., Alrawas, A., Zakuan, N. M., **Abdullah, N. A.**, Cheah, Y. K., & Hashim, N. F. M. (2020). Identification of potential chemical substrates as fuel for hypoxic tumors that may be linked to invadopodium formation in hypoxia-induced MDA-MB-231 breast-cancer cell line. *Molecules*, 25(17), 3876.
8. Harun, S. N. A., **Abdullah, N. A.**, Zakuan, N. M., & ABDUL, H. (2020). Role of Novel Therapeutic Agents in Modulating Invadopodia Formation in Metastatic Breast Cancer. *Sains Malaysiana*, 49(6), 1351-1358.

Publications

Proceedings (in 5 years)

1. Chong Q.Y, **Abdullah, N. A.**, Hashim, N. F. M., Zakuan, N. M. The Anti-Invasive Effects Of 1-Methylpropyl 2-Imidazolyl Disulfide (Px-12) On Hypoxia-Induced Colorectal Cancer Cells And Its Underlying Mechanism Of Action. (2024) 14TH Malaysian Symposium of Biomedical Science, Malaysia. (2nd BEST ORAL)
2. Chang J. Y, **Abdullah, N. A.**, Hashim, N. F. M., Zakuan, N. M .The Cytotoxic and Anti-invasive Effects of Auranofin and Luteolin on Colorectal Cancer Cells. (2024) 14th Malaysian Symposium of Biomedical Science, Malaysia.
3. Muhammad Shan S. , **Abdullah, N. A.**, Hashim, N. F. M., Zakuan, N. M. Effect of 1-methylpropyl 2-imidazolyl disulfide (PX-12) on the invadopodia formation of hypoxia-induced HCT116 human colorectal cancer cells. Proceedings of the 3rd International Anatomical and Biomedical Scientific Conference (IABS) (2022). Life Sciences, Medicine and Biomedicine.
4. Muhammad Fauzi N. Y., **Abdullah, N. A.**, Hashim, N. F. M., Zakuan, N. M. Effects of Zerumbone on invadopodia formation of hypoxia-inducedMDA- MB-231 breast cancer cells. Proceedings of the 3rd International Anatomical and Biomedical Scientific Conference (IABS) (2022). Life Sciences, Medicine and Biomedicine.
7. Aminnuddin F.D., **Abdullah, N. A.**, Hashim, N. F. M., Zakuan, N. M. Effects of Zerumbone on hypoxia induced HCT116 colon cancer cell invasion. Proceedings of the 3rd International Anatomical and Biomedical Scientific Conference (IABS) (2022). Life Sciences, Medicine and Biomedicine.

Research Grants

No.	Project Title	Year	Source of Fund
1.	Elucidating the therapeutic potential of dimethyloxalylglycine-stimulated mesenchymal stem cells-derived exosomes in mitigating 5-FU-induced cardiotoxicity. (Principal Investigator)	2024-2027	Ministry of Higher Education (FRGS)
2.	Characterizing the role of thioredoxin in hypoxia-induced tumour cell migration, invasion and invadopodia formation in the colorectal cancer cell model. (Principal Investigator)	2021-2024	Universiti Putra Malaysia
3.	Involvement of cytoskeletal proteins; Arp2/3, Cdc42 and Flightless I in radiation-induced invasive migration as molecular target for inhibition of colon cancer metastasis. (Co-Investigator)	2020-2023	Ministry of Higher Education (FRGS)



4.	Invadopodia formation: Characterizing the mechanistic role of Arp2/3, ARF6, WAVE2 and UPAR in HIF-1 α pathway as molecular targets for inhibition of breast cancer cell invasion and metastasis. (Co-Investigator)	2020-2023	Ministry of Higher Education (FRGS)
----	---	-----------	-------------------------------------

Awards/ Recognition (Current)

No.	Name of awards	Award Authority	Award Type	Year
1.	Cancer Research UK (CRUK) Student Travel Awards	British Association for Cancer Research (BACR)	International	2017

Student Supervision

PhD (Main Supervisor)

No.	Name	Title	Status
-----	------	-------	--------

- 1.
- 2.
- 3.

Master with Thesis (Main Supervisor)

No.	Name	Title	Status
-----	------	-------	--------

- 1.
- 2.
- 3.

Master without Thesis (Main Supervisor)

No.	Name	Title	Status
-----	------	-------	--------

- 1.
- 2.
- 3.