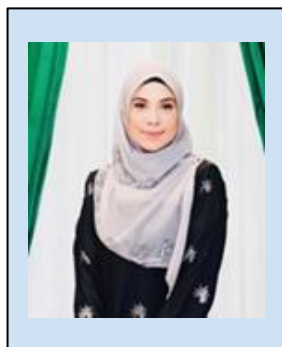


CURRICULUM VITAE



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Education

Degree	Awarding University/Body	Year
Ph.D. (Cancer Cell Biology)	King's College London, United Kingdom	2012
MSc (Radiation Biology)	University College London	2007
B.Sc (Biomedical Science)	Universiti Putra Malaysia	2004

Areas of Interest

1. Human Physiology
2. Radiobiology
3. Cancer Cell Biology
4. Cancer Hypoxia
5. Cancer Invasion and Metastasis

Professional Qualification/ Membership/ Affiliation

No.	Post	Year
1	Member of the Invadosome Consortium	From 2010
2	King's College London Alumni (Alumni Number: 316463)	From 2012
3	University College London Alumni (Alumni Number: 8-10580512)	From 2007
4	Member of British Society for Cell Biology	From 2013
5	Young Scientists Network-Academy of Sciences Malaysia (YSN-ASM)	From 2016
6	Malaysian Association of Cancer Research (MACR)	From 2024
7	Persatuan Sains Bioperubatan Malaysia (MyBIOMED)	From 2016
8	Women in Nuclear (WiN)	From 2019
9	Sync Network (Strong Nation Instructor License)	From 2023

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
1. 2020-date	Head: Unit of Physiology, Department of Biomedical Science	
2. 2024-2027	Coordinator of Unit Kesarjanaan Penyelidikan, Pejabat TNCPI	
3. 2024	Advisor for Graduate Student's Club, Faculty of Medicine and Health Sciences	
4. 2024	Affiliate member of Young Scientist Network (YSN-ASM)	
5. 2021-2024	Penyelaras Kursus SBP3118 dan SBP3119	

Publications

Journals (in 5 years)

1. Abdullah NA, **Md Hashim NF**, Muhamad Zakuan N, Chua JX. Thioredoxin system in colorectal cancer: Its role in carcinogenesis, disease progression, and response to treatment. *Life Sci.* **2024** Jul 1;348:122711. doi: 10.1016/j.lfs.2024.122711. Epub 2024 May 9. PMID: 38734065.
2. Manoharan SD, Abdul Hamid H, **Md Hashim NF**, Cheema MS, Chiroma SM, Mustapha M, Mehat MZ. Could protein phosphatase 2A and glycogen synthase kinase-3 beta be targeted by natural compounds to ameliorate Alzheimer's pathologies? *Brain Res.* **2024** Apr 15;1829:148793. doi: 10.1016/j.brainres.2024.148793. Epub 2024 Feb 1. PMID: 38309553.
3. Hamad Ali Hamad , Hammad Khalaf Saeed , Talib Hammad Hussein , Abdalwahab Bdewi, Hussain, **Nur Fariesha Md Hashim**. Unveiling Potential Therapeutic Targets for Breast Cancer Recurrence: Differentially Expressed Genes and Pathways in Post-Surgery Patients. *Math. Biol. Bioinf.* **2024**;19(2):276-292. doi: [10.17537/2024.19.276](https://doi.org/10.17537/2024.19.276)
4. Nor Ezleen Qistina Ahmad, and Amirah Alhusna Mohd Yusoff, and **Nur Fariesha Md Hashim**, and Nurul Akmaryanti Abdullah, and Noraina Muhamad Zakuan, (**2024**) *Dimethyloxalylglycine (DMOG)-induced hypoxia promotes migratory and invasive properties of HCT116 colon cancer cell line*. *Sains Malaysiana*, 53 (6). pp. 1333-1341. ISSN 0126-6039.
5. Hambali A, Jusril NA, **Md Hashim NF**, Abd Manan N, Adam SK, Mehat MZ, Adenan MI, Stanslas J, Abdul Hamid H. The Standardized Extract of Centella asiatica and Its Fractions Exert Antioxidative and Anti-Neuroinflammatory Effects on Microglial Cells and Regulate the Nrf2/HO-1 Signaling Pathway. *J Alzheimers Dis.* **2024**;99(s1):S119-S138. doi: 10.3233/JAD-230875. PMID: 38250772.
6. Nur Aqilah Huda Ahmad Jamil, and Chong, Sylvia Hoongli and Nurul Akmaryanti Abdullah, and Noraina Mohamad Zakuan, and Hafizah Abdul Hamid, and Muhammad Zulfadli Mehat, and Manraj Singh Cheema, and **Nur Fariesha Md Hashim**, (**2023**) *Zerumbone: a potent emerging phytochemical with anticancer therapeutic potential*. *Sains Malaysiana*, 52 (12). pp. 3511-3522. ISSN 0126-6039.
7. Abdelmonem, M., Ali Hamad, H., **Md Hashim, N.**, Al-Samarai, A. H., Eldaly, R., Saleh Abdelfattah, M., Wasim, H., & Abdelmageed, M. (**2023**). Invadopodia formation assay: A promising experiment for targeting breast cancer invasion and metastasis. *American Journal of Clinical Pathology*.
8. Cheema, M. S., Alwi, S. S. S., **Hashim, N. F. M.**, Othman, Z., Sarchio, S. N. E., Teng, L. C., & Praveena, S. M. (**2022**). A wake-up call: COVID-19 and its impact on reforming biosciences education towards resiliency and sustainability. *Malaysian Journal of Medicine and Health Sciences*.



9. Cheema, M. S., Othman, Z., Sarchio, S. N. E., Alwi, S. S. S., **Hashim, N. F. M.**, & Teng, L. C. (2022). Teaching and learning of biosciences in a digital world: Challenges and effective teaching strategies during and after COVID-19 pandemic. *Malaysian Journal of Medicine and Health Sciences*.
10. Romli, M. H., Wan Yunus, F., Cheema, M. S., Abdul Hamid, H., Mehat, M. Z., **Md Hashim, N. F.**, Foong, C. C., Hong, W.-H., & Jaafar, M. H. (2022). A meta synthesis on technology based learning among healthcare students in Southeast Asia. *Medical Science Educator*.
11. Adenan, M. N. H., Yazan, L. S., Christianus, A., **Md Hashim, N. F.**, Mohd Noor, S., Shamsudin, S., Ahmad Bahri, F. J., & Abdul Rahim, K. (2021). Radioprotective effects of kelulut honey in zebrafish model. *Molecules*.
12. Hambali, A., Kumar, J., **Hashim, N. F. M.**, Maniam, S., Mehat, M. Z., Cheema, M. S., Mustapha, M., Adenan, M. I., Stanslas, J., & Hamid, H. A. (2021). Hypoxia-induced neuroinflammation in Alzheimer’s disease: Potential neuroprotective effects of Centella asiatica. *Frontiers in Physiology*.
13. Yahya, F. A., **Hashim, N. F. M.**, Israf Ali, D. A., Chau Ling, T., & Cheema, M. S. (2021). A brief overview to systems biology in toxicology: The journey from in vivo, in vitro, and –omics. *Journal of King Saud University - Science*.
14. Abdullah, N. A., **Md Hashim, N. F.**, Ammar, A., & Zakuan, N. M. (2021). An insight into the anti-angiogenic and anti-metastatic effects of oridonin: Current knowledge and future potential. *Molecules*.
15. Aini Harun, S. N., Abdullah, N. A., Zakuan, N. M., Hamid, H. A., Mehat, M. Z., & **Md Hashim, N. F.** (2020). Role of novel therapeutic agents in modulating invadopodia formation in metastatic breast cancer. *Sains Malaysiana*.
16. Jien, T. M., Parvin Ab Hamid, S. N., **Md Hashim, N. F.**, Armania, N., Saidi, H. I., & Zakuan, N. M. (2020). Zerumbone induces cytotoxicity and inhibits cell migration of human colon cancer cells. *Sains Malaysiana*.
17. 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*.
18. Romli, M. H., Cheema, M. S., Mehat, M. Z., **Md Hashim, N. F.**, & Hamid, H. A. (2020). Exploring the effectiveness of technology-based learning on the educational outcomes of undergraduate healthcare students: An overview of systematic reviews protocol. *BMJ Open*.

Research Grants

Received 2020

No	Name/Project No.	Source of Fund	Amount (RM)	Year
1	Investigating The Role of uPAR in Hypoxia-Induced Breast Cancer Cell Invasion And Metastasis: Insights From Chip Assay And Spheroid Invasion Analysis	GP-IPS - GERAN PUTRA INISIATIF SISWAZAH	20,000	2023-2025

2	Determination of molecular targets and anti-invasive effects of a synthetic curcuminoid analogue, 2,6-bis-(4-hydroxy-3-methoxybenzylidene) cyclohexanone or BHMC in hypoxia-induced human cancer cells	KPM(FRGS) - FUNDAMENTAL RESEARCH GRANT SCHEME	155,880	2014-2016
3	Genotype-phenotype Characterization of Invadopodia Formation in Hypoxia-induced Breast Cancer Cell Model	GP-IPM - GERAN PUTRA INISIATIF PUTRA MUDA	41,500	2016-2018
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	KPM(FRGS) - FUNDAMENTAL RESEARCH GRANT SCHEME	172,000	2020-2024
5	Investigation of the Roles of TNF- α - in Hypoxia Pathway as the Molecular Target for Inhibition of Breast Cancer Metastasis	GP-IPS - GERAN PUTRA INISIATIF SISWAZAH	25,000	2018-2019

On-going

Awards/ Recognition (Current)

No	Title	Award	Year
1	Muhammad Hibatullah Romli, Manraj Singh Cheema, Muhammad Zufadli Mehat, Nur Fariesha Md Hashim , Hafizah Abdul Hamid* A Preliminary Outcome Of An Overview Of Systematic Reviews To Explore The Effectiveness Of Technology-Based Learning Among The Undergraduate Healthcare Students International Putra Innocreative Poster Competition 2020	Silver Medal, International Putra InnoCreative Poster Competition, International Putra InnoCreative Carnival in Teaching and Learning 2020 (22nd - 30th October 2020) Universiti Putra Malaysia	2020
2	Chua Eugene and Nur Fariesha Md Hashim . Phenotypic Characterisation of Hypoxia-Induced Mda-Mb-231 Breast Cancer Cell Line. 10th Malaysian Symposium of Biomedical Science (10MSIMBIOS). Empowering young researchers. 2019	2 nd Runner Up of Oral Presentation on Non-Communicable Disease Category	2019
3	Travel Award to 'Invadopodia, Podosomes and Focal Adhesions in Tissue Invasion" Conference in Hyeres, South of France 26-30 th September 2009	French Lacey Fund, King's College London, International Student Travel Award	2009

Professional Services/ Consultation

1	Penulis Bersama Buku Perjalanan PhD	2023 – 2024
2	AJK CEO Talk 2023	2023 – 2023
3	Ketua Sub Projek Saintis Cilik 2023	2023 – 2024
4	AJK NeuroBRB 2023	2023 – 2023



5	Pengacara Majlis Syarah Inaugural Prof Sobri December 2022	2022 – 2022
6	Program Persediaan Medic Mesir 2022	2022 – 2022
7	3rd International Anatomical and Biomedical Scientific Conference (IABS 2022)	2022 – 2022
8	Committee member of 3 rd International Anatomical and Biomedical Science 2022	2022
9	Ahli Jawatankuasa Pembangunan Modul of Inquiry-Based Science Education (IBSE) (collaboration with Ministry of Education and MOST) 2021	2021
10	Organising Committee Member ISVC 2020-2021	2020 – 2021
11	AJK Kem Sains Peringkat Antarabangsa 2020 anjuran SK Cyberjaya dan JSB, UPM	2020 – 2021
12	AJK 12th Protein Detection ELISA Hands-On Workshop 2020	2020 – 2021
13	Kembara STIE MOSTI	2020 – 2021
14	KWC Science Week 2020	2020 – 2021
15	Keahlian Persatuan Pegawai Akademik UPM 2020	2020 – 2023
16	Akademi Sains Malaysia	2020 – 2023
17	Jawatankuasa Latihan Industri Pelajar FPSK, UPM	2020 – 2022
18	MACR 1st Scientific Conference 2019	2019 – 2019
19	PGM Seminar 2019 'Towards Excellence in Genetics	2019 – 2019
20	Malaysian International Genetics Congress 13 (MiGC13)	2019 – 2019
21	Program Premedic Mesir 2019	2019 – 2019
22	7th ASEAN +3 Junior Science Odyssey (APT JSO-7)	2018
23	Pengajar Premedic Mesir	sehingga kini 2018
24	Hari Suaikenal Biomedical Science 2018	sehingga kini 2018
25	2nd International Conference on Biomedical & Health Sciences Research 2018	sehingga kini 2018 – 2019
26	Editorial Board Member of the Hindawi Journal	2018
27	Malaysian Association of Clinical Biochemist (MACB)	sehingga kini 2018
28	Persatuan Sains Bioperubatan Malaysia (MyBIOMED)	sehingga kini 2018
29	Committee member of the International Conference on Biomedical & Health Sciences Research 2018	sehingga kini 2018
30	Malaysia International Genetics Congress	2017 – 2018
31	2nd Anatomical and Biomedical Scientific Conference (IABS) 2017	2017 – 2018
32	Module Development Leader in the National Science Challenge 2017	2017
33	Young Scientists Network-Academy of Sciences Malaysia	2016
		sehingga kini

34	Final Year Project SBP4999A Working Committee	2015
35	Jawatankuasa IT-AV FPSK UPM	sehingga kini 2015
36	Faculty Excellence month	sehingga kini 2015
37	Malaysian Society of Physiology and Pharmacology	sehingga kini 2015
38	International Anatomical and Biomedical Scientific Conference	sehingga kini 2015
39	Young Scientist Day: Igniting Scientific Interest	sehingga kini 2015
40	Biomedical Science Accreditation United Kingdom	sehingga kini 2014
41	Wakil Jabatan Bioperubatan sebagai AJK	sehingga kini 2014
42	Persatuan Graduan Bioperubatan Kuala Lumpur dan Selangor	sehingga kini 2014
43	Persatuan Pegawai Akademik UPM	sehingga kini 2014
44	Lantikan Pengajar PreMedic Mesir	sehingga kini 2014
45	Ahli jawatankuasa Research Week 2014	sehingga kini 2014
46	Faculty of Medicine and Health Sciences	sehingga kini 2014
47	Jawatankuasa Program Bahasa Inggeris	sehingga kini 2014
48	Program Minggu Bahasa Inggeris	sehingga kini 2014
49	Seminar Kajian Ilmiah Tahun Akhir Program Sains Kesihatan FPSK	sehingga kini 2014
50	The Science Advisory Board	sehingga kini 2013

Student Supervision

PhD (Main Supervisor)

No.	Name	Title	Status
1.	Nur Aqilah Huda Binti Ahmad Jamil	Characterizing The Mechanistic Role of Urokinase-Type Plasminogen Activator Receptor (UPAR) In HIF-1 Alpha Pathway As Molecular Target For Inhibition Of Breast Cancer Cell Invasion And Metastasis	Ongoing

Master with Thesis (Main Supervisor)

No.	Name	Title	Status
1.	Sylvia Chong Hoogli	Effects Of Zerumbone on The Migration and Invasion of Hypoxia-Induced Mda-Mb-231 Breast Cancer Cells	Ongoing
2.	Siti Nor Aini Binti Harun	Anti-Invasive Effects of 2,6-BIS-(4-Hydroxyl-3Methoxybenzylidene) Cyclohexanone and Its Molecular Targets	Graduated in 2018

Associated with Invadopodia Formation
in MDA-MB-231 Cells

3. Hamad Ali Hamad Phenotype Characterisation of Invadopodia Formation in Hypoxia-Induced MDA-MB-231 Breast Cancer Cells Graduated in 2019

Master without Thesis (Main Supervisor)			
No.	Name	Title	Status