

PROFILE		
1	NAME	DR. MOHD SHIHABUDDIN BIN AHMAD NOORDEN
2	ACADEMIC POSITION	SENIOR LECTURER
3	STATUS OF APPOINTMENT	PERMANENT
4	CITIZENSHIP	MALAYSIAN
5	EDUCATION	Doctor of Philosophy (Pharmaceutical Sciences), 2011, Kyushu University, Japan. BSc. (Hons.) Genetics, 2005, National University of Malaysia, (UKM), Malaysia
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> ● Senior Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 31 May 2011 – present.
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> ● PHC450: Pharmaceutical Immunology (Resource Person, Lecture & Tutorial) ● PHC504: Pharmaceutical Biotechnology and Bioengineering (Lecture & Tutorial) ● PHC650: Drug in Sports (Tutorial) ● PHC429: Pharmaceutical Biochemistry (Lecture, Tutorial & Practical) ● PHC454: Pharmaceutical Microbiology and Parasitology (Practical)
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> ● Non-coding RNA (i.e. micro-RNA) in human cancer ● Neuroprotective effects of Centella asiatica ● Application of functional oligonucleotides as therapeutic agent ● Development of gene sensor using gold-based electrode
9	PUBLICATIONS	<p style="color: red;"><i>Current publications (2011-2015)</i></p> <p>Journal article</p> <p>Detection of Breast Cancer 1 (BRCA1) Gene Using An Electrochemical DNA Biosensor Based on Immobilized ZnO Nanowires. Nur Azimah Mansor, Zainiharyati Mohd Zain, Hairul Hisham Hamzah, Mohd Shihabuddin Ahmad Noorden, Siti Safura, Zafar Husain Ibupoto, Valerio Beni. Open Journal of Applied Biosensor (OJAB). Volume 3, Number 2, May 2014.</p>

Conference paper

Unpublished paper:

Nur Serene Sofia binti Nor Azri and **Mohd Shihabuddin bin Ahmad Noorden**. Cloning and sequencing analysis of micro-RNA 17-92a from HepG2 cancer cell line. 20th MSMBB Scientific Meeting and MSMBB 25th Anniversary 2013. [26-27/06/2013].

Nur Serene Sofia Binti Nor Azri, Hamid Fauzi and **Mohd Shihabuddin Bin Ahmad Noorden**. Cloning of 3'-UTR region from the Primary miRNA 195-497 into luciferase reporter vector for the isolation of endogenous putative miRNAs. 3rd International Postgraduate Conference on Pharmaceutical Sciences (iPoPS), 11-12 August 2014 UiTM Puncak Alam. Poster Presenter.

Nur Serene Sofia Binti Nor Azri, Fazleen Haslinda Mohd Hatta, Hamid Fauzi and **Mohd Shihabuddin Bin Ahmad Noorden** Cloning of the hypothetical microRNA binding sites from primary microRNA 195-497 into luciferase reporter vector for the isolation of novel microRNAs. International Conference on Biomedical and Health Sciences Research (ICBHSR) 2015, 25-27 January 2015. Everly Hotel Putrajaya.

Nur Serene Sofia Binti Nor Azri, Fazleen Haslinda Mohd Hatta, Hamid Fauzi and **Mohd Shihabuddin Bin Ahmad Noorden**. Evaluation of luciferase reporter vector containing hypothetical microRNA binding sites from primary hsa-miR-195-497 to isolate novel microRNA. 5th International Postgraduate Conference on Pharmaceutical Sciences 2017 (iPoPS 2017) 17-18 May 2017, Faculty of Pharmacy, UiTM Selangor.

Nur Amira Binti Jemal @ Zainal, Nur Serene Sofia Nor Azri, **Mohd Shihabuddin Ahmad Noorden**. Identification of purine-rich site from upstream of miRNA17-92A sequence for a potential triple-helix forming oligonucleotides (TFO) target site. 5th International Postgraduate Conference on Pharmaceutical Sciences 2017 (iPoPS 2017) 17-18 May 2017, Faculty of Pharmacy, UiTM Selangor.

Nursyamila Shamsuddin, Nur Hidayah Reshidan, Mohd Ilham Adenan, Mazatulikhma Mat Zain2, **Mohd Shihabuddin Ahmad Noorden**. Preliminary study on

		<p>potential neuroprotective effect of <i>Centella Asiatica</i> extract on methamphetamine-induced neurotoxicity in SH-SY5Y cell line. 5th International Postgraduate Conference on Pharmaceutical Sciences 2017 (iPoPS 2017) 17-18 May 2017, Faculty of Pharmacy, UiTM Selangor.</p> <p>Published paper: Syarifah Anis Wafa Binti Syed Mohd Azmi, Mohd Shihabudin Noorden, Nurul Yuziana Mohd Yusof, and Endom Ismail. In silico evaluation of miRNA binding site in mutated 3'UTR mRNA of G6PD. AIP Conference Proceedings 1678, 030024 (2015); https://doi.org/10.1063/1.4931245</p>
<p>10 RESEARCH GRANTS</p>		<p>Identification and Functional Studies of Putative miRNA during miRNA Maturation of a Polysitronic miRNA for Controlling Human Carcinogenesis. ERGS, MOHE. July 2012 – June 2015. RM150,000. Principal Investigator.</p> <p>Neuroprotective Effects of <i>Centella asiatica</i> On Methamphetamine-induced Neurotoxicity And Micro-RNA Analysis. NGRS Skim Geran Penyelidikan NKEA Pertanian, MoA. Dec 2014 – Jan 2017. RM212,000. Principal Investigator.</p> <p>Development of Zinc Oxide-based Biosensor to Verify the Production of messenger-RNA and Protein in In vitro Cell-free Reaction. International Research Grant MSTF Toray 2015. Nov 2015 – 31 Oct 2016. Principal Investigator.</p> <p>Identification of Novel miRNA Responsible for G6PD Deficiency in Malaysian Orang Asli. FRGS, MOHE. July 2013 – June 2016. RM114,800. Member</p> <p>Effects of Platinum Nanoparticles in Hydrogen Peroxide Treated Human Airway Cells in Epithelia Sodium Channel and PKC Pathway. FRGS, MOHE. Apr 2013 – Mar 2015. RM148,000. Member</p> <p>Unravelling The Changes In Phase Ii Enzymes And Neurosteroid Metabolism During The Progression Of Alzheimer's Disease Using Tg2576 Mice. FRGS, MOHE. 2015 -2017. RM149,700. Member</p> <p>Integrated Potentiostat For Electrochemical Sensing Of</p>

		Breast Cancer (Brca1) Diagnostic Device. CREST 2015. 2015 – 2018. RM335,263.16. Member
11	AWARDS	<p>Silver Medal in IID 2011 (Reka Bentuk dan Reka Cipta) 30 Nov. 2011, Bioengineering of A Human Cytochrome P450 3A4 Gene in <i>E. coli</i>: An <i>In vitro</i> tool for Drug Metabolism Screening. 2011</p> <p>Bronze Medal in Invention, Innovation & Design Exposition 2018 (iidex2018) UiTM, Bio-Dice (Education category). 2018</p> <p>Silver Medal in Pharm. Invention, Innovation & Design Exposition 2018 (Pharm-IIDEx 2018) Faculty of Pharmacy UiTM, Bio-Dice (Education category). 2018</p>
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<p>Malaysia Qualification Agency, MQA. Evaluator, Molecular Biology. 2014-present</p> <p>STEM UiTM, CSPI Canseleri UITM Shah Alam. Representative for Faculty of Pharmacy. 2017-present</p> <p>Pharm-IIDEx, Faculty of Pharmacy UiTM. Chairmain. 2017-present</p> <p>Coordination Chemistry. Research Interest Group IRMI UiTM. Member. 2013-present.</p> <p>Neuroscience: Brain Degeneration and Therapeutics. Research Group IRMI. Member. 2013-present.</p> <p>Assoc. Fellow, Atta-ur-Rahman Institute. Assoc. fellow. 2013-2015.</p> <p>Research Fellow, Health & Wellbeing CoRe. Full fellow. 2013-2015</p>
13	PARTICIPATION IN CONTINUING EDUCATION	<p><i>List of current participation in continuing education (2011-2015)</i></p> <p><u>Conferences:</u></p> <p>Presenter, Identification of purine-rich site from upstream of miRNA17-92A sequence for a potential triple-helix forming oligonucleotides (TFO) target site. 5th International Postgraduate Conference on Pharmaceutical</p>

		<p>Sciences 2017 (iPoPS 2017) 17-18 May 2017, Faculty of Pharmacy, UiTM Selangor.</p> <p>Participant, International Conference in Pharmacy Practice ICOPP. 27-28 Jun 2018, Concorde Hotel Shah Alam.</p> <p><u>Courses:</u></p> <ul style="list-style-type: none"> ● MQF 2.0 Bengkel MQA di Armada Hotel Petaling Jaya 14 Mac 2018 ● 8th Workshop On Laboratory Rodents (Rats & Mice) Care And Use, Sept 2017, UiTM Selangor, Malaysia ● PBL Workshop (Pharmacology And Chemistry), Aug 2017, F.Pharmacy, UiTM Selangor, Malaysia ● Career In The Public Sector: A Pharmacist's Experience, 2016, UiTM Selangor, Malaysia ● 5th Lafam's Knowledge Sharing Session (CPD Series), May 2016, UiTM Selangor, Malaysia
<p>14</p>	<p>COMMUNITY SERVICES</p>	<p><i>List of current community services (2011-2015)</i></p> <ul style="list-style-type: none"> ● Program Mentor Mentee STEM Negeri Selagor. Kementerian Pendidikan Malaysia, Jabatan Pendidikan Selangor with UiTM (2017-present)