

# IRNA ELINA BINTI RIDZWAN



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## ACADEMIC QUALIFICATION

- Ph.D in Pharmacy and Pharmacology
- Bachelor of Pharmacy (Honours)

## TEACHING RESPONSIBILITIES

ANTI CANCER CHEMOTHERAPY	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
ANTI-INFECTIVES AGENTS	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
BODY SYSTEM I : CARDIOVACULAR & HAEMATOLOGY	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019
BODY SYSTEM II : RESPIRATORY & URINARY SYSTEM	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018
BODY SYSTEM III : MUSCULOSKELETAL & SENSORY ORGANS	2013/2014 2016/2017 2017/2018 2018/2019
BODY SYSTEM IV: GASTROINTESTINAL &HEPATOBIILIARY SYSTEMS	2017/2018 2018/2019 2019/2020
BODY SYSTEM V : ENDOCRINE & REPRODUCTIVE SYSTEMS	2012/2013 2014/2015 2015/2016 2016/2017 2017/2018 2019/2020
BODY SYSTEM VI : CNS	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
DRUG ABUSE	2014/2015 2019/2020
Drug Abuse	2012/2013 2013/2014 2015/2016 2016/2017 2017/2018 2018/2019
FUNDAMENTALS OF MEDICINAL CHEMISTRY	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
HERBAL MEDICINE	2016/2017 2017/2018 2018/2019 2019/2020
RESEARCH PROJECT 1	2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2019/2020
RESEARCH PROJECT 2	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019

**RESEARCH PROJECTS****In Progress**

- 2019 - Present** Identification of alpha-glucosidase inhibitors from Psychotria malayana Jack leaf using multi-platform metabolomics approach and protein-ligand interaction with molecular docking in treating diabetes mellitus
- 2014 - Present** Clinical Safety and Efficacy Evaluation of Ibogaine as an Anti-Addictive Treatment in Patients with Opioid Addiction

**Completed**

- 2014 - 2018** Synthesis and Mechanistic Evaluation of Orvinol Analogues as Potential Anti-Relapse to Morphine/ Methamphetamine Dependence
- 2014 - 2018** Clinical Safety and Efficacy Evaluation of Ibogaine as an Anti-Addictive Treatment in Patients with Opioid Addiction
- 2014 - 2018** Clinical Safety and Efficacy Evaluation of Ibogaine as an Anti-Addictive Treatment in Patients with Opioid Addiction
- 2013 - 2018** Synthesis, Mechanistic And Biological Evaluation Of Novel Bis-Sydnone Styrylketones As Antiproliferative And Antioxidant Agents
- 2012 - 2015** Sintesis analog dan modifikasi struktur mitragynine untuk mengkaji perkaitan di antara stuktur mitragynine dengan kesan psikoaktif drug

**PUBLICATIONS****Article**

- 2017** [The crucial role of nociceptin opioid peptide \(NOP\) receptor in attenuating relapse to morphine/methamphetamine \(poly-drug\) addiction in mice.](#) Research Journal of Pharmacy and Technology , 10 (12) pp.4488-4550
- 2017** [Upregulation of kappa opioid receptor system and its association with relapse to morphine/methamphetamine \(poly-drug\) addiction.](#) Research Journal of Pharmacy and Technology , 10 (12) pp.4488-4550
- 2017** [Distinct role of kappa opioid receptor in attenuating relapse to morphine/methamphetamine \(polydrug\) dependence.](#) British Journal of Pharmacy , 2 (2) pp.S21-22S
- 2016** [Kappa antagonist to prevent drug relapse: does stage in addiction cycle matter?.](#) International Medical Journal Malaysia , 15 (Supplement issue) pp.67-67
- 2014** [A non-rewarding, non-aversive buprenorphine/naltrexone combination attenuates drug-primed reinstatement to cocaine and morphine in rats in a conditioned place preference paradigm.](#) Addiction Biology , 19 (4) pp.575-586

- 2014 [Selectively promiscuous opioid ligands: discovery of high affinity/low efficacy opioid ligands with substantial nociceptin opioid peptide receptor affinity.](#) Journal of Medicinal Chemistry , 57 pp.4049-4057
- 2014 [Evaluating the potential of buprenorphine to reduce relapse to morphine/methamphetamine addiction.](#) Malaysian Journal of Pharmacy , 1 (11) pp.199-199
- 2012 [A single compound alternative to A Buprenorphine/Naltrexone combination to prevent relapse to drug addiction.](#) British Journal of Clinical Pharmacology , 73 (6) pp.1004-1004

#### Conference or Workshop Item

- 2018 [The crucial roles of nociceptin opioid peptide \(NOP\) receptor in attenuating relapse in morphine/methamphetamine \(poly-drug\) dependence model.](#) In: **1st MYPNSA National Pharmacy Research Competition (NPRC) 2018**
- 2018 [Low-dose methamphetamine addiction induced opioid receptor sensitization in polydrug-dependent mice.](#) In: **Regional Conference on Science Technology & Social Sciences (RCSTSS2016)**
- 2015 [The pyrrolidine ring and its relation with the psychoactivity of mitragynine.](#) In: **International Conference on Natural Products 2015 (ICNP 2015)**
- 2015 [Priming dose of morphine/methamphetamine combination induced stereotyped behavior in morphine/methamphetamine-dependent mice.](#) In: **International Conference on Biomedical & Health Sciences Research (ICBHSR 2015)**
- 2015 [Anti-stress properties of buprenorphine: a better choice for stress-induced relapse to drug addiction.](#) In: **International Conference on Addiction Science (iCAS 2015)**
- 2015 [The influence of duration of confinement towards morphine dependence intensity in conditioned place preference \(CPP\) model.](#) In: **Health and Pharmaceutical Sciences Undergraduate Research Symposium**
- 2015 [The effect of dose on the intensity of dependence in morphine-dependent mice.](#) In: **Health and Pharmaceutical Sciences Undergraduate Research Symposium**

#### Book Book Section