

**LIST OF AMDI RESEARCHERS AND RESEARCH AREAS 2016**

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| NO. | NAME | RESEARCH |
| 1. | **Associate Prof Dr. Bakiah Shaharuddin**bakiah@usm.my+6045622016 | 1. Characterisation and differentiation of corneal epithelia in spherical 3D

cultures 1. The immuno-regulatory of Umbilical Cord Mesenchymal Stem Cells on corneal epithelia
2. Biological scaffolds for corneal epithelial tissue engineering and other stem cells applications
 |
| 2. | **Dr. Noorfatimah Yahaya**noorfatimah@usm.my+6045622071 | 1. Development and Validation of New Microextraction Techniques and Analytical Determinations for Pollutants, Pesticides and Pharmaceuticals in Environmental, Foods and Biological Matrices (trace analysis using HPLC, GC, LC-MS, CE).
2. Synthesis and Characterization of New Selective Adsorbents for Microextraction Systems.
3. A Study on Molecular Interactions of Magnetic Hollow Porous Molecularly Imprinted Polymer Toward Sulfonamide Antibiotics.
 |
| 3. | **Associate Prof Dr. Md Azman PKM Seeni Mohamed** azmanseeni@usm.my+6045622417 | 1. Identification of New Cancer Chemoprevention Agent via In Vivo Models: Using Paddy Waste Products & Stingless Bee Honey.
2. Molecular Carcinogenesis of Prostate Cancer.
3. Investigation on Molecular Toxico-Pathology using Egg Shells and Earthworms.
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| 4. | **Dr. Hasni Arsad**hasniarsad@usm.my+6045622415 | 1. Determination Of In Vitro Anti-Proliferative Mechanism Induced By Clinacanthus Nutans Extract On Human Cervical Carcinoma HeLa Cell Lines
2. Identification Of Key Amino Acid In Dimerization Of Polyhydroxyalkanoate Synthase From Chromobacterium sp. USM2, USM
3. Sequence Analysis and Expression of 3-Ketoacyl-Acyl-Carrier-Protein Synthase III (KAS III) of Salmonella Typhi in Escherichia Coli
 |
| 5. | **Dr. Tan Mei Lan**tanml@usm.my+6045622309 | 1. Drug-herb interactions studies –determination of natural compounds as substrates, inducers or inhibitors of P-glycoprotein and organic anionic/cationic transporters
2. Cardiotoxicity – determination of natural compounds as hERG potassium channel blockers
3. Neurotoxicity – determination of natural compounds as potential neurotoxic compounds using *in vitro* brain models
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| 6. | **Dr. Siti Noor Fazliah Mohd Noor**fazliah@usm.my+6045622393 | 1. Development of Dentinal Enhancement Biomaterials for Dental Pulp

 Tissues Engineering: In Vitro Investigation.1. Development of bioactive glass scaffold for hard tissue regeneration
2. Investigation on bonding interaction, ionic dissolution behavior and

 degradation kinetics of bioactive glass reinforced polyurethane scaffold.  |
| 7. | **Dr. Mohd Hafiz Mohd Zin** hafiz.zin@usm.my+6045622551 | 1. Application of image sensor/radiation detector in advanced radiotherapy.
2. Optimisation of image guided and intensity modulated radiotherapy.
3. Characterisation of CMOS Image Sensor for biomedical imaging application
 |
| 8. | **Dr. Noor Khairiah A. Karim**drkhairiah@usm.my+6045622516 | 1. Evaluation of Contrast Enhancement Using Different Protocols for Routine Thorax Computed Tomography on 16-Slice Scanner in Two Tertiary Hospitals.
2. SATURN - Stroke and Tocotrienols: Unique role in Neuroprotection [Phase III, single-centre, double-blind, randomized, placebo-controlled, parallel group trial to evaluate the efficacy and safety of oral Vitamin E for 6 months in patients with moderate acute ischaemic stroke].
3. New features Extraction Algorithm based on White Matter Lesions from MRI images for Neural Network Input Classification of Small Vessel Stroke.

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| 9. | **Dr. Ng Mei Li**nmeili@usm.my+6045622097 | 1. The Effect of Deoxyelephantopin on Insulin Signalling and Insulin-Mediated Suppression of Hepatic Glucose Production in the Human Hepatocyte Cell Line
2. Association of Plasma Leucine-Rich Alpha-2 Glycoprotein 1 (LRG1) with Vascular Complications in Patients With Type 2 Diabetes
 |
| 10. | **Dr Suria Emilia Suhana Binti Othman Tan**drsuriaemilia@usm.my+6045622553 | 1. Screening for alpha and beta thalassaemia in newborn using cord blood sample.
2. Prevalence of paediatric leukemia in Malaysia.
3. Viral epidemiology in children with respiratory tract infection in Penang, Malaysia.
 |
| 11. | **Dr. Hazwani Binti Ahmad Yusof @ Hanafi**hazwanihanafi@usm.my+6045622376 | 1. 1) The association of *ACE I/D* gene polymorphism with cardiovascular and muscular responses to an 8-week of isometric handgrip training and detraining in a hypertensive population in Malaysia.
2. 2) The association of *ACTN3 R/X* gene polymorphism with strength/ power performance in Malay population.
3. *ACE I/D* gene polymorphism and glucose response to endurance training.

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| 12. | **Dr. Fatanah Mohamad Suhaimi** fatanah.suhaimi@usm.my+6045622561 | 1. Development and Fabrication of Electropalatograph Artificial Palate for

 Speech Therapy.1. The Effect of Laser Irradiation on Biological Cells/Tissues.
2. A Model-Based Glycaemic Control for Managing Hyperglycaemia in

 Diabetic/Critically Ill Patient.  |
| 13. | **Dr. Nor Aini Saidin**NorAiniS@usm.my+6045622398 | 1. Efficacy And Skin lrritation Evaluation For Nanoemulsion Of *Jasminum officinale a*nd *Matricaria recutita* Essential Oils For Mosquito Repellent : An *ln vivo* and *ln vitro* Studies.
2. Comparison of cytotoxicity between aqueos extract of green and red *Christia vespertilionis.*
3. Cytotoxicity and *in vivo* study of nano β-tricalcium phosphate  (β-TCP).
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| 14. | **Dr Mohammad Farris Iman Leong Bin Abdullah**farris@usm.my+6045622482 | 1. Validation of Malay Versions of Posttraumatic Growth Inventory-Short Form (PTGI-SF), Source of Social Support Scale (SSSS), Hope Scale and Life Orientation Test-Revised (LOT-R) in Cancer Patients.
2. Ketum (Mitragyna speciosa) Associated Psychological Symptoms, Insomnia and Pain Severity in Regular Ketum Users in Malaysia.
3. The role of dopamine and serotonin transporters in the mechanism underlying psychotic and depressive symptoms in ketum users.
 |
| 15. | **Dr Nozlena Binti Abdul Samad**nozlena@usm.my+6045622051 | 1. Anti-Angiogenic And Anti-Hepatocellular Carcinoma Properties Of Pithecellobium Jiringa (Pj) Ethanol Extracts.
2. The Effects Of Moringga Oleifera Crude Leaves Exctracts On Human Jurkat Cells.
3. Anti-Angiogenic Properties Of Moringga Oleifera Crude Leaves Extracts
 |
| 16. | **Dr. Lim Vuanghao**vlim@usm.my+6045622427 | 1. Synthesis of biocompatible disulphide cross-linked sodium alginate derivative nanoparticles for a sustainable colonic delivery of chemotherapeutic agent.
2. Metabolomics studies of active metabolites extracted from Cinacanthus

nutans using natural deep eutectic solvent.1. Biogenic synthesis of silver nanoparticles for anti-cancer studies.
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| 17. | **Dr Doblin Sandai**doblin@usm.my+6045622386 | 1. Evaluation of Nanoparticles Synthesis from Pleurotus sajor caju in combination with fluconazole against Candida glabrata.
2. Fitness Attribute Contribute to the Pathogenicity of Candida albicans
3. In Vivo Studies of Systemic Candidiasis Treated with Cassia fistula seed extracts using Metabolome Analysis.
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| 18. | **Dr Muhammad Amir Yunus**amiryunus@usm.my+6045622560 | 1. Elucidation Of The Mechanism Involves In Norovirus Subgenomic RNA (sgRNA) Synthesis: A Rationale For Attenuation In Vaccine Development
2. In vitro elucidation of the mechanism involves in atherogenesis triggered by norovirus infection
3. Inhibition of Dengue Virus (DENV) Replication Using Small Non-coding RNA In Genetically Modified Mosquitos Cell Lines (Aedes aegypti and Aedes albopictus).

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| 19. | **Prof Dr Tang Thean Hock**tangth@usm.my+6045622302 | 1. The Role of Annexin A5 Gene Promoter Hyplotype in the Genetic Predisposition to Idiopathic Repeated Pregnancy Loss in Malaysia.
2. Development of a prototype Porcine DNA Detection Kit for Detection of porcine and its derivatives in food products.
3. Transcriptome Profiling Of Mycobacterium Tuberculosis H37Rv In Response To Exposure To Antimycobacterial Agents And Other Stress Conditions
 |
| 20. | **Dr Kumitaa Theva Das**kumitaa@usm.my+6045622615 | 1. Using CRISPR nuclease to study the effects of indels on HIV-1 replication and virulence in ACH-2, a latently infected cell line.
2. Determination of the prevalence of the nonsense mutation (428G->A) in FUT2 in the Malaysian population.
3. Investigating the correlation between miRNA and MED12 mutation in fibroadenoma using CRISPR.
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| 21. | **Dr Citartan Marimuthu**citartan@usm.my+6045622257 | 1. REPORA-6 RNA aptamer that can antagonize EPO and EPO-R interaction acts as a potential therapeutic agent towards alleviating breast cancer.
2. A novel aptamer-based assay for capturing total Erythropoietin (EPO) from human urine in doping detection of EPO.
3. Development Of Aptamer-Based Histochemistry (aptahistochemistry) For Diagnostic Pathology Of Breast Cancer.
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| 22. | **Dr Ng Siew Kit**skng@usm.my+6045622529 | 1. Investigating post-translational modifications within regulatory proteins involved in interferon response.
2. Investigating the therapeutic potential of molecular hydrogen on diseases associated with oxidative stress.
3. Phosphoproteomic analysis of phosphorylation events in bacteria associated with its pathogenicity in mammalian hosts.
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| 23. | **Dr Rafidah Zainon**rafidahzainon@usm.my+6045622554 | 1. Image processing using Dual-Energy Computed Tomography
2. Phantom development for image and dose optimization
3. Quantitative and Molecular Imaging
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| 24. | **Prof. Dr. Narazah Mohd Yusoff**narazah@usm.my+6045622395 | 1. Unravelling the Mechanism of Modulation of Telomerase Reverse Transcriptase (TERT) Regulation by the Leukaemic Fusion Gene AML 1/MTG8.
2. Development Of Ethno-Pharmacogenetics Relatedness And Personalised Medicine.
3. Elucidation of molecular mechanism (s) of enhanced Dengue Virus (DENV) infection in Glucose-6-Phosphate Dehydrogenase (G6PD) -deficient cells lines of monocytes, dendritic cells and megakaryocytes**.**
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| 25. | **Dr. Ida Shazrina Ismail** idashazrina@usm.my+6045622564 | 1. Identification Of Scavenger Receptor CD36-Specific Peptides By Phage

 Display Selection2) Lentiviral-Based Gene Delivery Of G6PD Gene Into CD34+ Human Stem  Cells3) The Regulation of Macrophage Cellular Response by Clinacanthus nutans Extracts in J774.2 Macrophage Cell Line |
| 26. | **Dr. Shahrul Bariyah Binti Sahul Hamid**shahrulbariyah@usm.my+6045622012 | 1. Pharmacogenetics And Proteomic Modulation In Drug-Resistant Cancer Cells With Thymoquinone Treatment.
2. Apolipoprotein E (APOE) Gene Polymorphism and Its Association with Cardiovascular Heart Disease Risk Factors.
3. Regulation of Oxidized Low Density Lipoprotein by Thymoquinone in Lipid-loaded Breast Cancer Cells.
 |
| 27. | **Dr. Ch'ng Ewe Seng**eschng@usm.my+6045622436 | 1. Development Of Aptamer-Based Histochemistry (aptahistochemistry) For Diagnostic Pathology Of Breast Cancer
2. Quantifying Chromatin Pattern and Nuclear Membrane Irregularity: Development of Cervical Pre-cancerous Screening System with Artificial Neural Network
3. Biomarkers in Diffuse Large B-Cell lymphoma
 |
| 28. | **Dr. Khadijah Abdul Hamid**khadijah@usm.my+6045622414 | 1. The utility of F-18-FDG PET-CT in paediatric epilepsy
2. Baseline myocardial viability study in predicting the management outcome of patients with newly diagnosed MI
3. CKD as risk stratification for cardiac events through myocardial perfusion scan
 |
| 29. | **Dr. Nor Hazwani Ahmad**norhazwani@usm.my+6045622530 | 1. Immunostimulatory activity of potential anticancer therapeutic agents
2. Investigation of mechanism of apoptosis in cancer cells
3. Synthesis and characterisation of silver nanoparticles using plant extracts
 |
| 30. | **Dr. Siti Razila binti Abdul Razak**sitirazila@usm.my+6045622571 | 1. Sequence-Specific Inhibition of MicroRNA-130a Gene by CRISPR
2. Mechanisms of oncogenic activation of DUSP6 and RUNX1/ETO in human acute myeloid leukaemia
3. In vitro evaluation of Vernonia cinerea extracts against cancer cells.
 |
| 31. | **Dr. Noor Diyana binti Osman**noordiyana@usm.my+6045622421 | 1. Development of metal artefacts correction algorithm in CT Imaging.
2. Establishment of local diagnostic reference level (DRLs) for CT Examination and comparison with NDRLs.
3. Evaluation on mean glandular dose of different thickness and density of compressed breast in mammography
 |
| 32. | **Dr. Anis Farhan Binti Kamaruddin**anisfarhan@usm.my+6045622017 | 1. Laser Irradiation for Prevention of Enamel Decalcification.
2. Randomised controlled trial of the performance of aesthetic archwires.
3. Awareness and Acceptance of Malaysian Ethnics on Orthognathic Surgery.
 |
| 33. | **Dr. Husniyati Bt Roslan**husniyati@usm.my+6045622247 | 1. Laser Irradiation for Prevention of Enamel Decalcification.
2. Microstructural Assessment of Enamel Surface under Sub Ablative Laser Parameters
3. Effects of propolis on wound healing using an in vitro scratch assay
 |
| 34. | **Dr. Khoirulzariah Bt Ismail**khoirulzariah@usm.my+6045622148 | 1. Laser Irradiation for Prevention of Enamel Decalcification.
2. Microstructural Assessment of Enamel Surface under Sub Ablative Laser Parameters.
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| 35. | **Dr. Norehan Mokhtar**norehanmokhtar@usm.my+6045622388 | 1. The effectiveness of oral appliance in comparison with continuous positive airway pressure in the treatment of obstructive sleep apnea: A Randomised Clinical Trial
2. The effect of Chrysanthemum rubellum extract coupled with bioactive glass scaffold for dentine regeneration
3. The effect of vitamin E on periodontal ligament fibroblast under orthodontic tension simulation
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| 36. | **Dr. Sa'adiah Binti Shahabudin**saadiahsh@usm.my+6045622396 | 1. The Effectiveness of Health Education Program towards Enhancing Knowledge, Attitude and Practice on Pap smear Uptake among Working Women in Kedah.
2. The effectiveness of Dental Health Education Tools for visually impaired students in Sek. Keb Pendidikan Khas (Visually impaired) and Sek Men Alma, Bukit Mertajam.
3. Oral cancer awareness and prevalence of tobacco use among adolescences in Northern region of Malaysia.
 |
| 37. | **Dr. Siti Hawa Ngalim**siti.hawa.ngalim@usm.my+6045622383 | 1. Determining the mechanisms of cell decision making via smart lithography
2. Guided adhesion and migration of stem cell-like cells
3. Development of FRET-based molecular biosensor for cell migration study.
4. Understanding the role of physical cues on cellular uptake and the organisation of intracellular molecules.
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| 38 | **Dr. Nur Arzuar Abdul Rahim**arzuar@usm.my+6045622008 | 1. The Effectiveness of Lactation Massage Intervention towards Exclusive Breastfeeding- A Prospective study
2. The determination of normal lymphocytes subsets in Malay children
3. Massive Transfusion in Major Trauma among Adult patients – A prospective study
4. Knowledge, Attitude, Practice of transfusion practice among healthcare provider

Future research would also be focusing on breast feeding & children allergy |
| 39 | **Dr. Muhammad Azrul Bin Zabidi**azrul.zabidi@usm.my+6045622018 | 1. Encapsulation of Purified Haemoglobin from Expired Human Red Blood Cells by PEG-PCL Diblock Copolymer for Potential Use as Blood Substitute.
2. Study on Haemoglobins (Natural and Synthetic) Loaded PAMAM Dendrimers at Different Size Generation
3. Delivery Of Anti-Cancer Drug by pH Responsive Micelle System
4. Development and Characterisation of Nano-particles Hydrogel for Potential Wound Healing Dressing
 |
| 40 | **Dr Rafeezul bin Mohamed**rafeezul@usm.my+6045622541 | 1. Determination of Electrophysiological Properties of Human Leukocyte Subpopulations Using Lab-on-Chip Device
2. Elucidation Of The Molecular Mechanism Involved In Foam Cells Formation Regulated By Propolis
3. Regulation of cellular response in the development of atherosclerosis by Gynura procumbens

Future research would be focusing on the technical feasibility, safety and efficacy of cellular immunotherapy in metastatic human breast cancer mouse model |
| 41 | **Dr. Sharifah Azdiana Binti Tuan Din**azdiana@usm.my+6045622056 | 1. Risk of Bacteria Contamination And Quality of Platelet In Extension of Platelet In Extension of Platelet Shelf Life From 5 to 7 Days
2. A Study On Knowledge Of Adult Blood Transfusion Among Nurses In Hospital Pulau Pinang: Nursing Responsibilities And Patient Management
3. 3 Factors that motivate and hinder temporarily deferred first time blood donor
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| 42 | **Dr Nor Effa Syazuli Zulkafli**effa@usm.my+6045622041 | On-going research 1. Elucidation of suppressive mechanisms on Foxp3 expression in Natural T-regulatory cells by PPAR gamma isoforms in Type 1 Diabetes Mouse Model.
2. Molecular profiling of pro- and anti-inflammatory cytokines in newly onset and long-standing Type 1 Diabetes Mouse Model.

Future research:1. Immune-monitoring method in allogeneic stem cell transplantation in Type 1 Diabetes Mouse Model
2. Molecular screening of immunoregulatory markers in allergic susceptible individuals
 |
| 43 | **Dr. Siti Mardhiana Binti Mohamad**mardhiana@usm.my | 1. Determination of normal lymphocyte subsets in Malay children
2. Identification of novel Primary Immunodeficiency Diseases
3. Immunotherapy
4. Allergy
 |
| 44 | **Dr. Chong Soon Eu**sechong@usm.my+6045622758 | 1. Real-Time Ultrasound Facilitates Paramedian Spinal Anaesthesia and Increased Possibility of Single Needle Pass.
2. Comparison study of dexmedetomidine 50μg versus 100μg added to the 0.75% Ropivacaine in axillary brachial plexus block for arteriovenous fistula (AVF) surgery.
3. Comparison of real-time ultrasound-guided internal jugular vein vs subclavian vein cannulation.
 |
| 45 | **Dr. Muhamad Zabidi Ahmad**zabidiahmad@usm.my+6045622291 | 1. Cognitive impairment and Mitragyna Speciosa
2. MR liver and liver toxicity in Mitragyna Speciosa users
3. Tocotrienol and diabetes mellitus.
 |
| 46 | **Dr. Abdul Rahim Hussein**drrahim@usm.my+6045622556 | 1. Effects of NPM1, FLT3 and CEBPA Gene Mutations in Adult Patients with Acute Myeloid Leukaemia (AML)'
2. Characterisation of Phenotypic-Genetic Axis of Acute Myeloid Leukaemia (AML)'
3. The Biological Effects of Alternative Medicines on Leukaemic Cells Growth
 |
| 47 | **Dr. Ying Chee Keat**ckying7@usm.my+6045622170 | 1. Geant4 Monte Carlo simulation for charged particle radiation therapy
2. Quality Assurance in radiation therapy
3. Radiation dosimetry
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| 48 | Dr. Ooi Cheong Hwacheonghwa.ooi@usm.my+6045622412 | 1. Identification of the time course of muscle enzyme activity and heat shock response following exercise-induced skeletal muscle damage.
2. Evaluating the ergogenic and protective effects of molecular hydrogen on maximal exercise capacity and eccentric exercise-induced muscle damage.
3. Determination of the interaction between the intensity of eccentrically-biased exercise and human thermoregulatory response.
4. Evaluating the efficacy of passive heating on signalling pathway of protein turnover and heat shock response in skeletal muscle.
 |
| 49 | **Dr. Eshaifol Azam Omar**eshaifol@usm.my+6045622563 | 1. The effects of propolis derived from Malaysian stingless bees on angiogenesis and its molecular mechanism in cultured endothelial cells
2. Exploring the role of ethanolic propolis extracts of stingless bee on wound healing in diabetic rat model
3. Identification of bioactive fraction(s) of ethanolic propolis extract derived from T. apicalis, T. itama and T. thoracica species of Malaysian stingless bees in in vitro inflammatory and oxidative models
 |
| 50 | **Dr. Nik Nur Syazni Nik Mohamed Kamal**niksyazni@usm.my+6045622413 | 1. Development of acquired tamoxifen resistance in MCF-7 cells (MCF-7/TamR cells) in vitro - need 1 MSc candidate
2. Chemical characterization of plant-derived silver nanoparticles from Garcinia atroviridis - need 1 MSc candidate
3. 3. Elucidating the mechanisms of bioengineered nanoparticles from Garcinia atroviridis on genotoxicity and DNA repairs of HepaRG cells - need 1 PhD candidate
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| 51 | **Dr. Jahanghir Kamaldin**jahangir@usm.my+6045622334 | 1. Studies on the detection of chemicals hazardous to human using insects model.
2. Studies on the acute toxicity of chemical substances for UN-GHS hazard classification.
3. Studies on the biological activity of zoochemicals for therapeutic use by human.
 |
| 52 | **Dr. Rohayu Hami**rohayuhami@usm.my+6045622547 | 1. Post traumatic growth in cancer patient
2. Determination of normal lymphocyte subsets in Malay children
3. Development and validation of knowledge, attitude and practice on cancer screening among adult in Malaysia
 |
| 53 | **Dr. Leow Voon Meng**leowvm@usm.my+6045622535 | 1. Laparoscopic cholecystectomy with and without Intraoperative cholangiography (IOC). RTC multicenter study.
2. Difficulty in managing pancreatic ascites
3. Obstructed inguinal or femoral hernia in an elderly. A diagnostic dilemma.
 |
| 54 | **Dr. Nurulisa Zulkifle**nurulisa@usm.my+6045622504 | 1. Elucidation of novel OTULIN-interacting protein using yeast two hybrid system
2. The effect of OTUB1, OTUB2 and OTULIN overexpression in several cancer cell lines
3. Dysregulation of OTU deubiquitinase in cancer
 |
| 55 | **Dr. Mohd Zahri Abdul Aziz**mohdzahri@usm.my+6045622356 | 1. Monte Carlo Study Of Radiation Interactions In Rhizophora Wood For Radiotherapy Dosimetry Application.
2. Assessment on metal inhomogeneity correction factor for accurate Monte Carlo dose calculation
3. Monte Carlo calculation on dose distribution in gynecological high dose rate brachytherapy treatment
 |
| 56 | **Dr. Mahayuddin Abdul Manap**mahayuddin@usm.my+6045622303 | 1. Peptide receptor radionuclide therapy for neuroendocrine tumors and role of PET-CT in therapeutic assessment
2. Effects of dietary regulation (Low iodine diet intake) on therapeutic outcomes using radioactive iodine ablation in both benign and malignant thyroid diseases
3. Role of myocardial SPECT-CT in prognostication of asymptomatic coronary artery disease patient
 |
| 57 | **Dr. Chooi Weng Tink**wengtink@usm.my+6045622304 | 1. Developing treatment for Co-occuring Opioid and ATS use disorders
2. Cognitive and Neuropsychological Assessments for Patients with Opioid and ATS use disorders
3. Serial order memory efficiency in working memory (dual n-back) training
 |
| 58 | **Dr. Gokula Kumar Appalanaido**gokula@usm.my+6045622701 | 1. 3D Fundamental Dosimetric Study of Vienna Ring Interstitial HDR Brachytherapy Applicator in Definitive Treatment of Carcinomas of the Uterine Cervix.
2. Dosimetric analysis of single versus dual wedge with cardiac shielding in left sided adjuvant breast irradiation.
3. Prospective study of radical liver brachytherapy with surgery as salvage for liver confined metastasis in colorectal cancer.
 |
| 59 | **Dr. Tan Jun Jie**jjtan@usm.my+6045622422 | 1. Identification of Suitable Bone Marrow-Derived Stem Cell Sub-Population and Its Optimal Growth Condition for Generating Paracrine Factors-Rich Conditioned Medium Favourable to Cardiac Stem Cells
2. Exploiting Bone Marrow Stem Cells for Enhancing Cardiac Stem Cell Stemness and Function Ex Vivo
3. Evaluation of Human Umbilical Cord-derived Mesenchymal Stem Cells for Rejuvenation of Aged Endogenous Cardiac Stem Cells
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| 60 | **Dr Muggundha Raaov**muggundha@usm.my+6045622209 | 1. Ionic Liquid Based Cationic Cyclodextrin With High Supramolecular Recognition Capability: Synthesis And Host-Guest Inclusion For Enhance Adsorption of Parabens.
2. Development of Ionic Liquid-ß-Cylodextrin Based Solid Phase Extraction Followed by Gas Chromatography-Mass Spectrometry for the Analysis of Polycylic Aromatic Hydrocarbons in Environmental Water Samples.
3. A Study on Molecular Interactions of β-Cylodextrin Functionalized-Ionic Liquid Coated Magnetite Nanoparticles towards carcinogenic aromatic amines.
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| 61 | **Dr Nur Nadhirah Mohamad Zain**nurnadhirah@usm.my+6045622235 | 1. Determination of triazine herbicides using magnetic nanoparticles coated with polyaniline combined with CPE in milk samples.
2. Extraction of polycyclic aromatic hydrocrabons (PAHs) in water samples by ultrasound-assisted back extraction of micelles method with gas chromatography-flame ionization detector (GC-FID).
3. A study on selective removal of acidic pharmaceuticlas from aqueous sample using multi-templates molecularly imprinted polymers by exploiting β-cyclodextrin.
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