S/N	Main Thesis Advisor	Student	Degree	Thesis Title	First author publication details
1	Alan Prem Kumar (Dr)	Ang Hui Li	Master of Science	EXPLOITING DNA DAMAGE RESPONSE PATHWAY: DEVELOPMENT OF PTK6 INHIBITOR FOR TREATMENT OF OVARIAN CANCER	1. Theranostics, 11, 1115-1128, Putting the BRK on breast cancer: From molecular target to therapeutics, 01/2021, DOI: 10.7150/thno.49716
2	Arthur Mark Richards (Prof)	Zhu Yike	Doctor of Philosophy	PROFILING TRANSCRIPTIONAL CHANGES AND IDENTIFYING MOLECULAR MARKERS DURING DEDIFFERENTIATION OF CARDIOMYOCYTES	1. Journal of Molecular and Cellular Cardiology, 152, 80-91, What we know about cardiomyocyte dedifferentiation, 03/2021, DOI: 10.1016/j.yjmcc.2020.11.016
3	Benoit Joel Bruno Malleret (Dr)	Leong Yew Wai	Doctor of Philosophy	PLASMODIUM CELL TROPISM: FROM INVASION TO PATHOLOGY	1. Frontiers in Cellular and Infection Microbiology, 11, 680136, Rodent malaria erythrocyte preference assessment by an ex vivo tropism assay, 07/2021, DOI: 10.3389/fcimb.2021.680136
4	Boon Ooi, Patrick Tan (Prof)	Ramnarayanan Kalpana	Doctor of Philosophy	DISSECTING THE HETEROGENEITY OF GASTRIC CANCER AT THE SINGLE CELL LEVEL	1. cancer discovery, CD-21-0683., Mar 1;12(3):670-691, Single-Cell Atlas of Lineage States, Tumor Microenvironment, and Subtype-Specific Expression Programs in Gastric Cancer, 03/2022, DOI: 10.1158/2159-8290
5	Catherine Ong Wei Min (Dr)	Poh Xuan Ying	Doctor of Philosophy	HOST-MEDIATED IMMUNOPATHOLOGY IN HUMAN CENTRAL NERVOUS SYSTEM TUBERCULOSIS (CNS-TB)	1. Frontiers in Immunology, 12, 24, Neutrophil-mediated immunopathology and matrix metalloproteinases in Central Nervous System - Tuberculosis., 01/2022, DOI: 10.3389/fimmu.2021.788976 2. Journal of Neuroinflammation, 19, 15, Nos2-/- mice infected with H37Rv M. tuberculosis develop neurobehavioural changes and immunopathology mimicking human central nervous system tuberculosis., 01/2022, DOI: 10.1186/s12974-022-02387-0
6	Chee Wei Liang, Michael (Prof)	Hosein Aghayan Golkashani	Doctor of Philosophy	EFFECTS OF AGING AND SLEEP ON SCHEMA FORMATION AND MEMORY INTEGRATION	1. Psychology and Aging, 36(4), 463–474, Schema-driven memory benefits boost transitive inference in older adults, 03/2021, DOI: 10.1037/pag0000586 2. Sleep, NA, NA, A Sleep Schedule Incorporating Naps Benefits the Transformation of Hierarchical Knowledge, 01/2022, DOI: 10.1093/sleep/zsac025

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8	Chen Leilei (AP)	Priyankaa Pitcheshwar	Doctor of Philosophy	THE ROLE OF ADARS-INTERACTING RNA HELICASES IN SHAPING THE RNA EDITOME IN CANCER	1. Springer Nature, NA, 133-151, Adenosine-to-Inosine RNA Editing: A Key RNA Processing Step Rewriting Transcriptome in Normal Physiology and Diseases., 05/2021, DOI: 10.1007/978-3-030-76571-2_7
9	Chen Leilei (AP)	Shen Haoqing	Doctor of Philosophy	ADARS REGULATE ALTERNATIVE SPLICING AND BACKSPLICING	1. Nature Communications, 11, 799, Cis- and trans-regulations of pre-mRNA splicing by RNA editing enzymes influence cancer development, 02/2020, DOI: 10.1038/s41467-020-14621-5
10	Chen Zhixiong (A/P)	Choo Zhang'e	Doctor of Philosophy	DEGRADATION OF XIAP AS A NOVEL TREATMENT STRATEGY IN HIGH-RISK NEUROBLASTOMA	1. Cancers (Basel), 11, 1623, Destined to Die: Apoptosis and Pediatric Cancers, 10/2019, DOI: 10.3390/cancers11111623 2. Oncotarget, 7, 34229-34239, XAF1 promotes neuroblastoma tumor suppression and is required for KIF1Bbeta-mediated apoptosis., 06/2016, DOI: 10.18632/oncotarget.8748
11	Chng Wee Joo (Prof)	Cao Zeya	Doctor of Philosophy	ROLE OF ZRSR PROTEINS IN HEMATOPOIETIC DEVELOPMENT AND RNA SPLICING	1. Heamatologica, 2021, 116, ZRSR1 Cooperates with ZRSR2 in Regulating Splicing of U12-type Introns in Murine Hematopoietic Cells, 03/2021, DOI: 10.3324/haematol.2020.260562
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13	Christopher Chen Li Hsian (A/P)	Poh Luting	Doctor of Philosophy	THE ROLE OF INFLAMMASOME ACTIVATION IN A CHRONIC CEREBRAL HYPOPERFUSION MOUSE MODEL OF VASCULAR DEMENTIA - FROM PATHOPHYSIOLOGY TO TREATMENTS	1. Brain, Behavior, and Immunity, 75, 34, Evidence that NLRC4 inflammasome mediates apoptotic and pyroptotic microglial death following ischemic stroke, 01/2019, DOI: 10.1016/j.bbi.2018.09.001 2. Experimental Neurology, -, -, AIM2 inflammasome mediates apoptotic and pyroptotic death in the cerebellum following chronic hypoperfusion, 12/2021, DOI: 10.1016/j.expneurol.2021.113856 3. Molecular Neurodegeneration, 17, 4, The role of inflammasomes in vascular cognitive impairment., 01/2022, DOI: 10.1186/s13024-021-00506-8 4. Molecular Psychiatry, 26, 4544, AIM2 Inflammasome Mediates Hallmark Neuropathological Alterations and Cognitive Impairment in a Mouse Model of Vascular Dementia, 08/2021, DOI: 10.1038/s41380-020-00971-5

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14	Chu Jang Hann (AP)	Chen Huixin	Doctor of Philosophy	MOLECULAR MECHANISM OF CHIKUNGUNYA VIRUS VIRULENCE	1. PLOS Neglected Tropical Diseases, 14, 12, Adenovirus vectored IFN-a protects mice from lethal challenge of Chikungunya virus infection, 12/2020, DOI: 10.1371/journal.pntd.0008910
15	De Yun Wang (Prof)	Lai Weisong, Victoria	Doctor of Philosophy	EFFICACY OF APHASIA INTERVENTION IN MANDARIN: CASE STUDY EVALUATION OF TWO TREATMENT APPROACHES FOR MANDARIN-ENGLISH BILINGUALS	1. Aphasiology, NA, 1-31, Dyadic Conversation Training in Mandarin for Bilinguals with Aphasia and their Conversation Partners., 06/2021, DOI: 10.1080/02687038.2021.1931802 2. Aphasiology, 33, 803-820, Generalisation and maintenance across word classes: comparing the efficacy of two anomia treatments in improving verb naming., 03/2019, DOI: 10.1080/02687038.2019.1587376
16	Edward Kai-Hua Chow (AP)	Lim Jhin Jieh	Doctor of Philosophy	THERAPEUTIC COMBINATION OPTIMIZATION FOR HEPATOCELLULAR CARCINOMA	1. Advanced Therapeutics, 3, 1900122, Maximizing efficiency of artificial intelligence-driven drug combination optimization through minimal resolution experimental design, 10/2019, DOI: 10.1002/adtp.201900122 2. Bioengineering & Translational Medicine, 6, e10196, IDentif.AI: Rapidly optimizing combination therapy design against severe Acute Respiratory Syndrome Coronavirus 2 (SARS-Cov-2) with digital drug development, 12/2020, DOI: 10.1002/btm2.10196 3. Journal of Hepatology, 72, 104-118, Targeting Jak/Stat pathway as a therapeutic strategy against SP/CD44+ tumorigenic cells in Akt/ß-catenin driven hepatocellular carcinoma, 01/2020, DOI: 10.1016/j.jhep.2019.08.035
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18	Goh Boon Cher (Prof)	Bui Ngoc Linh Chi	Doctor of Philosophy	CDK4/6 INHIBITORS AS NOVEL THERAPY IN NASOPHARYNGEAL CARCINOMA	1. Cancer Letter, 415, 177-186, Bad phosphorylation as a target of inhibition in oncology, 02/2017, DOI: 10.1016/j.canlet.2017.11.017.

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20	Lai Kim Peng Mitchell (Dr)	Joyce Chong Ruifen	Doctor of Philosophy	NOVEL BIOMARKERS AND LIPIDS DYSREGULATION IN NEURODEGENERATIVE AND VASCULAR DEMENTIAS	1. Alzheimer's & Dementia, 17, 1649-1662, Plasma P-tau181 to Aß42 ratio is associated with brain amyloid burden and hippocampal atrophy in an Asian cohort of Alzheimer's disease patients with concomitant cerebrovascular disease, 03/2021, DOI: 10.1002/alz.12332 2. Journal of neurology, neurosurgery, and psychiatry, 92, 1231-1241, Blood-based high sensitivity measurements of beta-amyloid and phosphorylated tau as biomarkers of Alzheimer's disease: a focused review on recent advances, 09/2021, DOI: 10.1136/jnnp-2021-327370
21	Lee Bee Wah (Prof)	Ta Le Duc Huy	Doctor of Philosophy	THE ROLE OF PRENATAL MICRONUTRIENTS, INFLAMMATORY INFLUENCES AND THE ESTABLISHMENT, DEVELOPMENT OF GUT MICROBIOME AND METABOLOME IN EARLY CHILDHOOD ATOPIC ECZEMA - AN INTEGRATED MULTI-OMICS APPROACH	1. Gut Microbes, 12, 1-12, A compromised developmental trajectory of the infant gut microbiome and metabolome in atopic eczema, 10/2020, DOI: 10.1080/19490976.2020.1801964
22	Lee Eng Hin (Prof)	Wong Keng Lin (Wang Tinglin)	Doctor of Philosophy	EFFECTS OF MESENCHYMAL STEM CELL EXOSOMES AND HYALURONIC ACID COMBINATION ON FUNCTIONAL CARTILAGE REPAIR	1. Am J Sports Med, AMJSPORTS/2021/333894 LIST, NA, Mesenchymal stem cell exosomes promote functional osteochondral repair in a clinically relevant porcine model, 01/2022, DOI: 10.1177/03635465211068129 2. Arthroscopy, 2020 Aug;36(8):2215- 2228.e2, 2215- 2228, Intra-Articular Injections of Mesenchymal Stem Cell Exosomes and Hyaluronic Acid Improve Structural and Mechanical Properties of Repaired Cartilage in a Rabbit Model, 08/2020, DOI: 10.1016/j.arthro.2020.03.031
23	Lee Yung Seng (Prof)	Ong Yi Ying	Doctor of Philosophy	EARLY LIFE DETERMINANTS OF GROWTH, BODY COMPOSITION, & CARDIOMETABOLIC RISK	1. International Journal of Epidemiology, 49, 1591-1603, Mismatch between poor fetal growth and rapid postnatal weight gain in the first 2 years of life is associated with higher blood pressure and insulin resistance without increased adiposity in childhood: the GUSTO cohort study, 10/2020, DOI: 10.1093/ije/dyaa143 2. The Journal of Clinical Endocrinology & Metabolism, 106, e2015-e2024, Cardiometabolic profile of different body composition phenotypes in children, 05/2021, DOI: 10.1210/clinem/dgab003
24	Ling Shuo-Chien (Dr)	Koh Yong Hui	Master of Science	INVESTIGATING THE ROLE OF ALPHA SYNUCLEIN IN MITOCHONDRIAL	1. Frontiers in Cellular Neuroscience, 12, 413, Patient-derived induced pluripotent stem cells and organoids for modeling alpha

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25	Lu Jinhua (AP)	Chen Junjie	Doctor of Philosophy	INVESTIGATION OF THE PROTEIN NETWORKS PROXIMAL TO THE NUCLEOLAR AUTOANTIGENS UPSTREAM BINDING FACTOR (UBF) AND THE H1x HISTONE	1. Bio-Protocol, 8, e2821, A Method for Extracting the Nuclear Scaffold from the Chromatin Network, 04/2018, DOI: 10.21769/BioProtoc.2821 2. J Biol Chem, 293, 2358-2369, The linker histone H1.2 is a novel component of the nucleolar organizer regions, 01/2018, DOI: 10.1074/jbc.M117.810184
26	Phan Toan Thang (AP)	Lim Hon Giat, Raymond (Lin Hanjie)	Doctor of Philosophy	INVESTIGATION OF UMBILICAL CORD LINING STEM CELLS IN SOLID TISSUE TRANSPLANTATION	1. Cell Transplantation, Cell Transplant . Jan-Dec 2020;29:963689719896559, oi: 10.1177/09636897, Safety Evaluation of Human Cord-Lining Epithelial Stem Cells Transplantation for Liver Regeneration in a Porcine Model, 12/2020, DOI: 10.1177/0963689719896559
27	Reshma Taneja (Prof)	Chiu Hsin Yao	Doctor of Philosophy	ROLE OF MITOCHONDRIAL CALCIUM IN EMBRYONAL RHABDOMYOSARCOMA	1. Antioxidant & Redox Signaling, 32, 309-330, Mitochondrial Dysfunction at the Centre of CanDOIcer Therapy, 01/2020, DOI: 10.1089/ars.2019.7898 2. Redox Biology, 25, NIL, Genetics, epigenetics and redox homeostasis in rhabdomyosarcoma: Emerging targets and therapeutics, 07/2019, DOI: 10.1016/j.redox.2019.101124
28	Saji Kumar Sreedharan (AP)	Amrita Benoy	Doctor of Philosophy	METAPLASTICITY AND HETEROSYNAPTIC ASSOCIATIVITY IN THE HIPPOCAMPAL CA2 AREA BY CHOLINERGIC AND SEROTONERGIC NEUROMODULATION	1. Experimental brain research, 236, 919-931, Hippocampal area CA2: an emerging modulatory gateway in the hippocampal circuit., 01/2018, DOI: 10.1007/s00221-018-5187-5
29	Stuart Cook (Prof)	Pua Chee Jian	Doctor of Philosophy	MOLECULAR DISSECTION OF CARDIOMYOPATHY	1. Circ Genom Precis Med., 13(5), 424-434, Genetic Studies of Hypertrophic Cardiomyopathy in Singaporeans Identify Variants in TNNI3 and TNNT2 That Are Common in Chinese Patients., 10/2020, DOI: 10.1161/CIRCGEN.119.002823. 2. J Cardiovasc Transl Res., 9(1), 3-11, Development of a Comprehensive Sequencing Assay for Inherited Cardiac Condition Genes., 02/2016, DOI: 10.1007/s12265-016-9673-5.
30	Su Xinyi (Dr)	Bhav Harshad Parikh	Doctor of Philosophy	POLYMERIC MICELLES AS A NOVEL APPROACH IN THE PREVENTION OF RETINAL SCARRING	1. Nature Communications, Nil, Nil, A bio-functional polymer that prevents retinal scarring through modulation of NRF2 signalling pathway, 03/2022, DOI: 10.1038/s41467-022-30474-6 2. Stem Cell Reports, Nil, Nil, Surgical Transplantation of Human RPE Stem Cell-Derived RPE Monolayers into Non-Human Primates

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31	Takaomi Sanda (AP)	Johann Shane Tian	Doctor of Philosophy	IDENTIFYING CIRCULAR RNAS (CIRCRNAS) IN ACUTE MYELOID LEUKEMIA (AML)	1. Hepatology, 64, 1289-1301, Mechanistic target of rapamycin complex 1 is an essential mediator of metabolic and mitogenic effects of fibroblast growth factor 19 in hepatoma cells, 10/2016, DOI: 10.1002/hep.28639
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35	Tan Shyong Wei, Kevin (AP)	Nguee Yee Teng Samantha	Doctor of Philosophy	PATHOGENIC ROLE OF CD8+ T CELLS IN MALARIA-ASSOCIATED ACUTE LUNG INJURY IN MICE	1. Nature communications, 10, 4241, Lung endothelial cell antigen cross-presentation to CD8+ T cells drives malaria-associated lung injury, 09/2019, DOI: 10.1038/s41467-019-12017-8
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41	Yap Suen Mei,Celestial Therese (AP)	Clarissa Esmeralda Halim	Master of Science	INVESTIGATING NOVEL ROLES OF GELSOLIN IN EARLY AUTOPHAGY	1. Biomedicines, 8, 316, Involvement of STAT5 in Oncogenesis, 08/2020, DOI: 10.3390/biomedicines8090316
42	Yap Suen Mei,Celestial Therese (AP)	Wong Yin Kwan	Doctor of Philosophy	O-GLCNACYLATION OF FATTY ACID SYNTHASE UNDER NUTRITIONAL STRESS AS A PRO-SURVIVAL MECHANISM IN CANCER CELLS	1. Autophagy, 13(9), 1472-1486, Recent Advances in Quantitative and Chemical Protoemics for Autophagy Studies., 09/2017, DOI: 10.1080/15548627.2017.1313944 2. Cell Death and Disease, 9, 614, Docetaxel enhances lysosomal function through TFEB activation., 05/2018, DOI: 10.1038/s41419-018-0571-4 3. Lancet Rheumatology, 2(5), e255, Caution and clarity required in the use of chloroquine for COVID-19., 05/2020, DOI: 10.1016/S2665-9913(20)30093-X 4. Medicinal Research Reviews, 37(6), 1492-1517, Artemisinin as an anticancer drug: Recent advances in target profiling and mechanisms of action, 11/2017, DOI: 10.1002/med.21446 5. Proteomics, In Press, N/A, O-GlcNAcylation promotes fatty acid synthase activity under nutritional stress as a pro-survival mechanism in cancer cells., 01/2022, DOI: 10.1002/pmic.202100175 6. Proteomics, 17, 3-4, Target identification with quantitative Activity Based Proteome Profiling (ABPP)., 02/2017, DOI: 10.1002/pmic.201600212
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