

S/N	Thesis Advisor	Student	Degree	Thesis Title	First author publication details
1	Benoit Joel Bruno Malleret (Dr)	Hang Jing Wen	Doctor of Philosophy (SoM)	IN VITRO ERYTHROID CULTURE SYSTEM FOR PLASMODIUM MOLECULAR MECHANISM STUDIES	1. First/Co-first, Pathogens, 2021, 10, 889, 4.531, Zoonotic malaria: Non-Laverania Plasmodium biology and invasion mechanisms., 10.3390/pathogens10070889
2	Bifani Juan Pablo (AP)	Collins Oduor Owino	Doctor of Philosophy (SoM)	VACCINE DEVELOPMENT FOR HFMD	1. First/Co-first, JOURNAL OF BIOMEDICAL SCIENCE, 2019, 26, 47, 12.771, Recent advances on the role of host factors during non-poliovirus enteroviral infections, <a href="https://doi.org/10.1186/s12929-019-0540-y">https://doi.org/10.1186/s12929-019-0540-y</a>
3	Boon Huat Bay (Prof)	Chen Xiaoyang	Doctor of Philosophy (SoM)	PROGRESSION MODELS OF BREAST FIBROEPITHELIAL LESIONS	1. First/Co-first, SINGAPORE MEDICAL JOURNAL, 2022, NA, NA, NA, More microinvasive foci in larger tumours of breast ductal carcinoma in situ, <a href="https://doi.org/10.11622/smedj.2022089">https://doi.org/10.11622/smedj.2022089</a> 2. First/Co-first, Frontiers in Immunology, 2022, 13, NA, 8.786, Harnessing the Immunogenic Potential of Gold Nanoparticle-Based Platforms as a Therapeutic Strategy in Breast Cancer Immunotherapy: A Mini Review, <a href="https://doi.org/10.3389/fimmu.2022.865554">https://doi.org/10.3389/fimmu.2022.865554</a> 3. First/Co-first, Current Medicinal Chemistry, 2021, 28, 5152, 4.74, Therapeutic Potential of Lymphoid Infiltrates in Breast Cancer, 10.2174/0929867328666210430132701 4. First/Co-first, Virchows Archiv, 2020, NA, NA, 4.535, Breast ductal Carcinoma in situ associated with microinvasion induces immunological response and predicts ipsilateral invasive recurrence, 10.1007/s00428-020-02959-6
4	Boon Huat Bay (Prof)	Cho Yik Lam	Doctor of Philosophy (SoM)	MOLECULAR MECHANISMS CONTROLLING MITOPHAGY	1. First/Co-first, FREE RADICAL BIOLOGY AND MEDICINE, 2020, 153, 173, 8.101, Dual role of oxidative stress-JNK activation in autophagy and apoptosis induced by nickel oxide nanoparticles in human cancer cells, 10.1016/j.freeradbiomed.2020.03.027
5	Bruno Reversade (Prof)	Ricardo Moreno Traspas	Doctor of Philosophy (SoM)	LOSS OF FOCAD, OPERATING IN THE SKI mRNA SURVEILLANCE PATHWAY, IS RESPONSIBLE FOR A SYNDROMIC FORM OF PEDIATRIC LIVER CIRRHOSIS	1. First/Co-first, NATURE GENETICS, 2022, NA, NA, 41.307, Loss of FOCAD, operating via the SKI messenger RNA surveillance pathway, causes a pediatric syndrome with liver cirrhosis, <a href="https://doi.org/10.1038/s41588-022-01120-0">https://doi.org/10.1038/s41588-022-01120-0</a>

6	Chen John Yu-Shen (Dr)	Chiang Yin Ning	Doctor of Philosophy (SoM)	PHAGE-MEDIATED INHIBITION OF PATHOGENICITY ISLAND TRANSFER IN STAPHYLOCOCCUS AUREUS	<ol style="list-style-type: none"> <li>1. First/Co-first, SCIENCE, 2018, 362, 207, 63.714, Genome hypermobility by lateral transduction, <a href="https://doi.org/10.1126/science.aat5867">10.1126/science.aat5867</a></li> <li>2. First/Co-first, PLoS Pathogens, 2019, 15, 8, 7.464, Genetic transduction by phages and chromosomal islands: The new and noncanonical, <a href="https://doi.org/10.1371/journal.ppat.1007878">10.1371/journal.ppat.1007878</a></li> </ol>
7	Chester Lee Drum (Dr)	Samira Sadeghi	Doctor of Philosophy (SoM)	NANOPARTICLE ENGINEERING FOR DISEASE-SPECIFIC THERAPEUTIC RESPONSE	<ol style="list-style-type: none"> <li>1. First/Co-first, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 2022, 23, 9856, 6.208, Gastrointestinal Tract Stabilized Protein Delivery Using Disulfide Thermostable Exoshell System, <a href="https://doi.org/10.3390/ijms23179856">https://doi.org/10.3390/ijms23179856</a></li> <li>2. First/Co-first, ACS Nano, 2022, 16, 10292, 18.027, Bioorthogonal Catalysis for Treatment of Solid Tumors Using Thermostable, Self-Assembling, Single Enzyme Nanoparticles and Natural Product Conversion with Indole-3-acetic Acid, <a href="https://doi.org/10.1021/acsnano.1c11560">https://doi.org/10.1021/acsnano.1c11560</a></li> <li>3. First/Co-first, Nature Communications, 2021, 12, 5720, 17.694, A general approach to protein folding using thermostable exoshells, <a href="https://doi.org/10.1038/s41467-021-25996-4">https://doi.org/10.1038/s41467-021-25996-4</a></li> <li>4. First/Co-first, Pharmaceutics, 2021, 13, 1790, 6.525, Nanoencapsulation as a General Solution for Lyophilization of Labile Substrates, <a href="https://doi.org/10.3390/pharmaceutics13111790">https://doi.org/10.3390/pharmaceutics13111790</a></li> <li>5. First/Co-first, PHARMACOLOGICAL RESEARCH, 2020, 158, 104685, 10.334, Oral administration of protein nanoparticles: An emerging route to disease treatment, <a href="https://doi.org/10.1016/j.phrs.2020.104685">https://doi.org/10.1016/j.phrs.2020.104685</a></li> </ol>
8	Chew Kiat Heng (AP)	Kee Zizheng	Master of Science (RSH-SoM)	INVESTIGATION OF A NEWLY IDENTIFIED PROTEIN, ANDROGEN DEPENDENT TISSUE FACTOR PATHWAY INHIBITOR REGULATING PROTEIN (ADTRP), FOR ITS ROLE IN CORONARY ARTERY DISEASE	<ol style="list-style-type: none"> <li>1. First/Co-first, JOURNAL OF MOLECULAR MEDICINE-JMM, 2021, 100, 185, 5.606, Androgen dependent tissue factor pathway inhibitor regulating protein: a review of its peripheral actions and association with cardiometabolic diseases, <a href="https://doi.org/10.1007/s00109-021-02160-5">https://doi.org/10.1007/s00109-021-02160-5</a></li> </ol>
9	Chun Man Roger Ho (Prof)	Ng Sok Hong, Angelia Sia	Doctor of Philosophy (SoM)	STUDYING THE MULTI-FACETED BENEFITS OF GREENERY EXPOSURE ON HEALTH AND WELLBEING, THROUGH INVESTIGATING THE EFFECTS OF THREE NATURE-BASED INTERVENTIONS IN TROPICAL SINGAPORE, NAMELY (1) PARK PRESCRIPTION, (2) THERAPEUTIC HORTICULTURE AND (3) VIEWING NATURE LANDSCAPES	<ol style="list-style-type: none"> <li>1. First/Co-first, Scientific Reports, 2020, 10, NA, 4.996, Nature-based activities improve the well-being of older adults, <a href="https://doi.org/10.1038/s41598-020-74828-w">https://doi.org/10.1038/s41598-020-74828-w</a></li> <li>2. First/Co-first, URBAN FORESTRY &amp; URBAN GREENING, 2021, 68, NA, 5.766, The impact of gardening on mental resilience in times of stress: A case study during the COVID-19 pandemic in Singapore, <a href="https://doi.org/10.1016/j.ufug.2021.127448">https://doi.org/10.1016/j.ufug.2021.127448</a></li> </ol>

10	Chun Man Roger Ho (Prof)	Ho Su Hui	Doctor of Philosophy (SoM)	INTEGRATION OF MULTIMODAL BIOMARKERS TO AID THE DIAGNOSIS AND TREATMENT FOR MAJOR DEPRESSIVE DISORDER	1. First/Co-first, JOURNAL OF PSYCHIATRIC RESEARCH, 2022, 147, 8, 5.25, Improving the diagnostic accuracy for major depressive disorder using machine learning algorithms integrating clinical and near-infrared spectroscopy data, <a href="https://doi.org/10.1016/j.jpsychires.2022.01.026">https://doi.org/10.1016/j.jpsychires.2022.01.026</a>
11	Daniel G. Tenen (Prof)	Guo Mingrui	Doctor of Philosophy (SoM)	CORE BINDING FACTOR FUSION DOWNREGULATION OF ADAR2 RNA EDITING CONTRIBUTES TO AML LEUKEMOGENESIS	1. First/Co-first, BIORXIV, 2021, NA, NA, NA, ADAR2-repressed RNA editing: a novel mechanism contributing to t (8:21) AML leukemogenesis, <a href="https://doi.org/10.1101/2021.10.18.464918">https://doi.org/10.1101/2021.10.18.464918</a>
12	Daniel G. Tenen (Prof)	Srishti Mishra	Doctor of Philosophy (SoM)	CHARACTERIZATION OF NOVEL LONG NON-CODING RNAs IN ACUTE MYELOID LEUKEMIA	1. First/Co-first, CURRENT OPINION IN HEMATOLOGY, 2022, 29, 34, 3.218, Diverse functions of long noncoding RNAs in acute myeloid leukemia: emerging roles in pathophysiology, prognosis, and treatment resistance, 10.1097/MOH.0000000000000692
13	Edward Kai-Hua Chow (AP)	Goh Ya Hwee Jasmine	Doctor of Philosophy (CSI)	RATIONAL DESIGN OF OPTIMISED THERAPEUTICS AGAINST HEMATOLOGICAL MALIGNANCIES	1. First/Co-first, Science Translational Medicine, 2022, 14, NA, 19.319, An ex vivo platform to guide drug combination treatment in relapsed/refractory lymphoma., 10.1126/scitranslmed.abn7824 2. First/Co-first, Advanced Therapeutics, 2019, 3, NA, 5.003, Maximizing efficiency of Artificial intelligence driven drug combination optimization through minimal resolution experimental design, <a href="https://doi.org/10.1002/adtp.201900122">https://doi.org/10.1002/adtp.201900122</a>
14	Edward Kai-Hua Chow (AP)	Xu Jingru	Doctor of Philosophy (SoM)	A NANODIAMOND-BASED PLATFORM FOR PERSONALISED MEDICINE AGAINST ONCOGENE-SPECIFIC HCC	1. First/Co-first, Nanoscale, 2021, 13, 16131, 8.307, Enhanced penetrative siRNA delivery by a nanodiamond drug delivery platform against hepatocellular carcinoma 3D models, 10.1039/d1nr03502a

15	Ee Sin Chen (AP)	Lam Tsz Fung	Doctor of Philosophy (SoM)	REGULATION OF CENTROMERE INTEGRITY BY SET2	1. First/Co-first, Epigenetics & Chromatin, 2022, 15, 17, 5.465, Structural and Functional Specificity of H3K36 methylation by Set2/SETD2, <a href="https://doi.org/10.1186/s13072-022-00446-7">https://doi.org/10.1186/s13072-022-00446-7</a> 2. First/Co-first, INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY, 2022, NA, NA, 5.64, Molecular mechanisms in governing genomic stability and tumor suppression by the SETD2 H3K36 methyltransferase, 10.1016/j.biocel.2021.106155
16	Eng Hin Lee (Prof)	Yang Yanmeng	Doctor of Philosophy (SoM)	APPLICATION OF SECRETOME FROM HYPOXIA-PRECONDITIONED MESENCHYMAL STEM CELLS ON CARTILAGE REGENERATION	1. First/Co-first, Tissue Engineering Part B-Reviews, 2022, NA, NA, 7.376, Hypoxia-Conditioned Mesenchymal Stem Cells in Tissue Regeneration Application, <a href="https://doi.org/10.1089/ten.teb.2021.0145">https://doi.org/10.1089/ten.teb.2021.0145</a>
17	Feng Xu (Dr)	Ong Xiang Yu Belinda	Doctor of Philosophy (SoM)	ROLE OF NARCICLASINE IN PROMOTING LIPOLYSIS IN WHITE FAT AND THERMOGENESIS IN BROWN FAT	1. First/Co-first, Frontiers in Endocrinology, 2020, NA, NA, 6.055, Regulation of Thermogenic Adipocyte Differentiation and Adaptive Thermogenesis Through Histone Acetylation, 10.3389/fendo.2020.00095
18	Gavin Stewart Dawe (AP)	Salai Kaung Htet Tun	Doctor of Philosophy (SoM)	CELLULAR SIGNALING DYSFUNCTION IN CEREBROVASCULAR DISEASE AND NEURODEGENERATION	1. First/Co-first, Biomolecules, 2023, 13, 525, 6.064, Elevated Soluble TNF-Receptor 1 in the Serum of Predementia Subjects with Cerebral Small Vessel Disease, 10.3390/biom13030525
19	Haiyan Liu (AP)	Zuhairah Binte Hanafi	Doctor of Philosophy (SoM)	THE FUNCTION AND MECHANISM OF OF IL-1A SECRETION IN THE TUMOR MICROENVIRONMENT	1. First/Co-first, Oncolmunology, 2022, 11, NA, 7.723, Immune suppressive function of IL-1 $\beta$ release in the tumor microenvironment regulated by calpain 1, <a href="https://doi.org/10.1080/2162402X.2022.2088467">https://doi.org/10.1080/2162402X.2022.2088467</a> 2. First/Co-first, Cells, 2021, 10, NA, 7.666, IL-1 $\beta$ Processing, Signaling and Its Role in Cancer Progression, 10.3390/cells10010092
20	Hoi Po Hui (Prof)	Maanasa Ravikumar	Doctor of Philosophy (SoM)	INVESTIGATING SENESCENCE-ASSOCIATED CHANGES IN THE HUMAN MESENCHYMAL STEM CELL HEPARANOME	1. First/Co-first, Frontiers in Cell and Developmental Biology, 2020, NA, NA, 6.081, Heparan Sulfate Proteoglycans: Key Mediators of Stem Cell Function, 10.3389/fcell.2020.581213 2. First/Co-first, Stem Cell Reports, 2021, NA, NA, 7.294, Age-Related Changes in the Inflammatory Status of Human Mesenchymal Stem Cells: Implications for Cell Therapy, <a href="https://doi.org/10.1016/j.stemcr.2021.01.021">https://doi.org/10.1016/j.stemcr.2021.01.021</a>

21	Hong-gu He (Prof)	Wan Su Wei	Doctor of Philosophy (NUR)	Exploring perceptions and examining the effectiveness of the interactive Colorectal Cancer self-Management enhancement smartphone-based psychosocial programme (iCanManage) on health outcomes of Patients and Caregivers: A sequential mixed-methods study	<ol style="list-style-type: none"> <li>1. First/Co-first, APPLIED NURSING RESEARCH, 2016, 30, 176, 1.847, Health-related quality of life and its predictors among patients with rheumatoid arthritis, 10.1016/j.apnr.2015.07.004</li> <li>2. First/Co-first, JOURNAL OF MEDICAL INTERNET RESEARCH, 2021, 23, 31917, 7.076, A Theory-Based, Multidisciplinary Approach to Cocreate a Patient-Centric Digital Solution to Enhance Perioperative Health Outcomes Among Colorectal Cancer Patients and Their Family Caregivers: Development and Evaluation Study, 10.2196/31917</li> <li>3. First/Co-first, SUPPORTIVE CARE IN CANCER, 2022, 30, 5401, 3.359, Perioperative experiences and needs of patients who undergo colorectal cancer surgery and their family caregivers: a qualitative study, 10.1007/s00520-022-06963-1</li> <li>4. First/Co-first, JOURNAL OF ADVANCED NURSING, 2022, 78, 1883, 3.057, A systematic review and meta-analysis on the effectiveness of web-based psychosocial interventions among patients with colorectal cancer, 10.1111/jan.15258</li> </ol>
22	Hsiu Kim, Lina Lim (AP)	Sonja Courtney Chua Jun Hui	Doctor of Philosophy (SoM)	IDENTIFICATION AND CHARACTERIZATION OF SEC13 IN INFLUENZA INFECTION	<ol style="list-style-type: none"> <li>1. First/Co-first, Frontiers in Microbiology, 2022, NA, NA, 6.064, A Review and Meta-Analysis of Influenza Interactome Studies, <a href="https://doi.org/10.3389/fmicb.2022.869406">https://doi.org/10.3389/fmicb.2022.869406</a></li> <li>2. First/Co-first, Pharmaceuticals, 2019, NA, NA, 5.215, Alternative Experimental Models for Studying Influenza Proteins, HostVirus Interactions and Anti-Influenza Drugs, <a href="https://doi.org/10.3390/ph12040147">https://doi.org/10.3390/ph12040147</a></li> </ol>
23	Hunziker, Walter (Prof)	Gozde Zafer	Doctor of Philosophy (SoM)	CYCLIN DEPENDENT KINASES IN LIVER REGENERATION AND PHYSIOLOGY	<ol style="list-style-type: none"> <li>1. First/Co-first, PLoS Genetics, 2020, 16(11), NA, 6.02, Loss of hepatocyte cell division leads to liver inflammation and fibrosis, <a href="https://doi.org/10.1371/journal.pgen.1009084">https://doi.org/10.1371/journal.pgen.1009084</a></li> </ol>
24	Jia En John Chua (Dr)	Rafhanah Banu Bte Abdul Razar	Doctor of Philosophy (SoM)	MICROFLUIDIC TO STUDY SYNAPTIC DEVELOPMENT AND DEGENERATION	<ol style="list-style-type: none"> <li>1. First/Co-first, Neural Regeneration Research, 2021, 17, 1165, 6.058, The importance of fasciculation and elongation protein zeta-1 in neural circuit establishment and neurological disorders, 10.4103/1673-5374.327327</li> </ol>
25	Jiongwei Wang (Dr)	Huang Chenyuan	Doctor of Philosophy (SoM)	NANOMEDICINE IN CARDIOVASCULAR DISEASE	<ol style="list-style-type: none"> <li>1. First/Co-first, ADVANCED DRUG DELIVERY REVIEWS, 2021, 175, 113801, 17.873, Extracellular vesicles as a drug delivery system: A systematic review of preclinical studies, 10.1016/j.addr.2021.05.011</li> <li>2. First/Co-first, Pharmaceutics, 2021, 13, 1052, 6.525, Lyophilization preserves the intrinsic cardioprotective activity of bioinspired cell-derived nanovesicles, 10.3390/pharmaceutics13071052</li> <li>3. First/Co-first, Advances in Clinical Chemistry, 2021, 103, 47, 6.303, Extracellular vesicles in cardiovascular disease, <a href="https://doi.org/10.1016/bs.acc.2020.08.006">https://doi.org/10.1016/bs.acc.2020.08.006</a></li> </ol>

26	Kim Peng Mitchell Lai (Dr)	Chua Xin Ying	Doctor of Philosophy (SoM)	THE ROLE OF SPHINGOLIPIDS IN THE NORMAL BRAIN AND IN NEURODEGENERATION	<p>1. First/Co-first, Methods in Molecular Biology, 2023, vol 2561, NA, NA, Mass Spectrometry Analysis of the Human Brain Sphingolipidome, <a href="https://doi.org/10.1007/978-1-0716-2655-9_12">https://doi.org/10.1007/978-1-0716-2655-9_12</a></p> <p>2. First/Co-first, NEUROCHEMISTRY INTERNATIONAL, 2022, NA, NA, 4.297, Elevation of inactive cleaved annexin A1 in the neocortex is associated with amyloid, inflammatory and apoptotic markers in neurodegenerative dementias, 10.1016/j.neuint.2021.105251</p> <p>3. First/Co-first, Alzheimers Research &amp; Therapy, 2020, NA, NA, 8.823, Immunomodulatory sphingosine-1-phosphates as plasma biomarkers of Alzheimer's disease and vascular cognitive impairment, 10.1186/s13195-020-00694-3</p> <p>4. First/Co-first, NEUROMOLECULAR MEDICINE, 2020, NA, NA, 4.103, Preclinical and clinical evidence for the involvement of sphingosine 1-phosphate signaling in the pathophysiology of vascular cognitive impairment, 10.1007/s12017-020-08632-0</p>
27	Lehming, Norbert (AP)	Wang Suqing	Doctor of Philosophy (SoM)	THE ROLE OF THE METABOLIC ENZYME FUMARASE IN DNA REPAIR	<p>1. First/Co-first, JOURNAL OF MOLECULAR BIOLOGY, 2020, 432, 6108, 6.151, Post-translational Modifications of Fumarase Regulate its Enzyme Activity and Function in Respiration and the DNA Damage Response, <a href="https://doi.org/10.1016/j.jmb.2020.09.021">https://doi.org/10.1016/j.jmb.2020.09.021</a></p> <p>2. First/Co-first, iScience, 2021, 24, 103354, NA, Fumarase affects the deoxyribonucleic acid damage response by protecting the mitochondrial desulfurase Nfs1p from modification and inactivation, <a href="https://doi.org/10.1016/j.isci.2021.103354">https://doi.org/10.1016/j.isci.2021.103354</a></p>
28	Lehming, Norbert (AP)	Zhang Yu	Doctor of Philosophy (SoM)	ECLIPSED TARGETING OF MITOCHONDRIAL PROTEINS IN EUKARYOTES: UBIQUITINATION IN YEAST MITOCHONDRIA AS A PARADIGM	<p>1. First/Co-first, Cells, 2022, 11, 4109, 7.666, Ubiquitination Occurs in the Mitochondrial Matrix by Eclipsed Targeted Components of the Ubiquitination Machinery, 10.3390/cells11244109</p>
29	Li Hsian Christopher Chen (AP)	Vismitha Rajeev	Doctor of Philosophy (SoM)	INVESTIGATING THE CEREBRAL VASCULAR INTEGRITY IN A CHRONIC CEREBRAL HYPOPERFUSION MOUSE MODEL OF VASCULAR DEMENTIA - FROM PATHOPHYSIOLOGY TO TREATMENT	<p>1. First/Co-first, Theranostics, 2022, 12, 1639, 11.6, Pathophysiology of blood brain barrier dysfunction during chronic cerebral hypoperfusion in vascular cognitive impairment, 10.7150/thno.68304</p>
30	Lieng Hsi Ling (AP)	Lee Chang Jie Mick	Doctor of Philosophy (SoM)	CRISPR SCREEN IDENTIFIES NF2-ADHERENS JUNCTION MECHANISM FOR CARDIOMYOCYTE LINEAGE DEPENDENCY	<p>1. First/Co-first, CIRCULATION, 2021, 142, 910, 39.918, Assigning Distal Genomic Enhancers to Cardiac Disease Causing Genes, <a href="https://doi.org/10.1161/CIRCULATIONAHA.120.046040">https://doi.org/10.1161/CIRCULATIONAHA.120.046040</a></p>

31	Matthew Wook Chang (AP)	Lee Hui Ling	Doctor of Philosophy (SoM)	ENGINEERING PROBIOTICS FOR NEUROMODULATION	1. First/Co-first, Genes, 2018, 9, NA, 4.141, Targeted approaches for in situ gut microbiome manipulation, 10.3390/genes9070351
32	Nam Long Nguyen (Dr)	Farhana Tukijan	Doctor of Philosophy (SoM)	CHARACTERIZATION OF THE ROLES OF SPHINGOSINE-1-PHOSPHATE IN ERYTHROCYTES	1. First/Co-first, BRITISH JOURNAL OF PHARMACOLOGY, 2018, NA, NA, 9.473, The signalling roles of sphingosine-1-phosphate derived from red blood cells and platelets., 10.1111/bph.14451 2. First/Co-first, Pathogens, 2021, NA, NA, 4.531, Zoonotic Malaria: Non-Laverania Plasmodium Biology and Invasion Mechanisms, 10.3390/pathogens10070889 3. First/Co-first, JOURNAL OF BIOLOGICAL CHEMISTRY, 2021, NA, NA, 5.486, Erythrocytes efficiently utilize exogenous sphingosines for S1P synthesis and export via Mfsd2b, 10.1074/jbc.RA120.012941
33	Ng Shi Yan (Dr)	Munirah Binte Mohamad Santosa	Doctor of Philosophy (SoM)	ESTABLISHING AN IN VITRO AGEING MODEL IN HUMAN PLURIPOTENT STEM CELLS AND NEURAL DERIVATIVES TO MODEL NEURONAL AGING	1. First/Co-first, Neurodegenerative Diseases Biomarkers, <a href="https://link.springer.com/book/1.17/978-1-716-1712-">https://link.springer.com/book/1.17/978-1-716-1712-</a> , 2022, NA, 99, NA, Role of SIRT3 and Mitochondrial Dysfunction in Neurodegeneration, <a href="https://doi.org/10.1007/978-1-0716-1712-0_5">https://doi.org/10.1007/978-1-0716-1712-0_5</a> 2. First/Co-first, Frontiers in Endocrinology, 2016, 6, 194, 6.055, Knowledge gaps in rodent pancreas biology: taking human pluripotent stem cell-derived pancreatic beta cells into our own hands, <a href="https://doi.org/10.3389/fendo.2015.00194">https://doi.org/10.3389/fendo.2015.00194</a>
34	Nicholas Robert John Gascoigne (Prof)	Nazihah Husna Binte Abdul Aziz	Doctor of Philosophy (SoM)	UNDERSTANDING AND VISUALIZING THYMOCYTE DEVELOPMENT USING THEMIS -/- MODEL	1. First/Co-first, CELLULAR IMMUNOLOGY, 0, 344, 103946, 4.178, Multi-modal image cytometry approach - From dynamic to whole organ imaging, 10.1016/j.cellimm.2019.103946
35	Osato, Motomi (AP)	Bibek Dutta	Doctor of Philosophy (SoM)	CHARACTERIZATION OF FUS AS A CRITICAL PLAYER IN MAINTENANCE OF HEMATOPOIETIC STEM CELL INTEGRITY	1. First/Co-first, RNA Biology, 2019, NA, NA, 4.766, Towards understanding of PRC2 binding to RNA, <a href="https://doi.org/10.1080/15476286.2019.1565283">https://doi.org/10.1080/15476286.2019.1565283</a> 2. First/Co-first, JOURNAL OF RADIATION RESEARCH, 2021, NA, NA, 2.438, Strain difference in transgene-induced tumorigenesis and suppressive effect of ionizing radiation, <a href="https://doi.org/10.1093/jrr/rraa103">https://doi.org/10.1093/jrr/rraa103</a>
36	Reshma Taneja (Prof)	Nandini Karthik	Doctor of Philosophy (SoM)	INVESTIGATING THE ROLE OF H3F3A IN ALVEOLAR RHABDOMYOSARCOMA	1. First/Co-first, Epigenetics, 2021, 16, 243, 4.861, Histone variants in skeletal myogenesis, 10.1080/15592294.2020.1795606 2. First/Co-first, Frontiers in Cell and Developmental Biology, 2021, 9, 756458, 6.081, Crosstalk Between Inflammatory Signaling and Methylation in Cancer, 10.3389/fcell.2021.756458 3. First/Co-first, Subcellular Biochemistry, 2022, 100, NA, NA, Epigenetic Small-Molecule Modulators Targeting Metabolic Pathways in Cancer, 10.1007/978-3-031-07634-3_16

37	Saji Kumar Sreedharan (AP)	Maria Vazquez Pavon	Doctor of Philosophy (SoM)	NOGO-A AS A PLASTICITY REGULATOR IN HEALTH AND DISEASE: INSIGHT FROM HIPPOCAMPAL SUBREGIONS	1. First/Co-first, SEMINARS IN CELL & DEVELOPMENTAL BIOLOGY, 2022, Corrected Proof online, no volume number yet, NA, 7.499, Inhibition of Nogo-A rescues synaptic plasticity and associativity in APP/PS1 animal model of Alzheimer's disease, <a href="https://doi.org/10.1016/j.semcd.2022.04.005">https://doi.org/10.1016/j.semcd.2022.04.005</a>
38	Sek Tong, Derrick Ong (Dr)	Lee Woon Li Bernice	Doctor of Philosophy (SoM)	INVESTIGATING THE ROLE OF METTL8 IN GLIOBLASTOMA	1. First/Co-first, Redox Biology, 2019, 25, 101056, 10.787, Redox regulation of cell state and fate, <a href="https://doi.org/10.1016/j.redox.2018.11.014">https://doi.org/10.1016/j.redox.2018.11.014</a>
39	Sek Tong, Derrick Ong (Dr)	Zheng Zihao	Doctor of Philosophy (SoM)	UNCOVER THE GENETIC MECHANISM GOVERNING PLURIPOTENCY MAINTENANCE IN STEM CELLS	1. First/Co-first, Stem Cells International, 2021, NA, NA, 5.131, Chromatin Regulation in Development: Current Understanding and Approaches , 10.1155/2021/8817581
40	Shazib Pervaiz (Prof)	Eu Jie Qing	Doctor of Philosophy (SoM)	STUDY THE MECHANISMS OF OXPHOS SWITCH IN ONCOGENE ADDICTED CANCERS	1. First/Co-first, Redox Biology, 2019, 25, 101076, 10.787, Metabolic reprogramming of oncogene-addicted cancer cells to OXPHOS as a mechanism of drug resistance, 10.1016/j.redox.2018.101076 2. First/Co-first, Oxidative Medicine and Cellular Longevity, 2021, 2021, NA, 7.31, Interplay between Mitochondrial Metabolism and Cellular Redox State Dictates Cancer Cell Survival, 10.1155/2021/1341604
41	Sik Yin Roger Foo (Prof)	Puar Hai Kiat	Doctor of Philosophy (SoM)	PRIMARY ALDOSTERONISM IN SINGAPORE: A CURABLE FORM OF HYPERTENSION	1. First/Co-first, JOURNAL OF HYPERTENSION, 0, NA, NA, 4.776, 11C-Metomidate PET-CT versus adrenal vein sampling to subtype primary aldosteronism: a prospective clinical trial. J, 10.1097/HJH.00000000000003132
42	Siong-Chuan, Samuel Chong (AP)	Vivienne Tan Jing Yi	Doctor of Philosophy (SoM)	DEVELOPMENT AND VALIDATION OF A THIRD-GENERATION SEQUENCING PLATFORM AND ANALYSIS PIPELINE FOR VERSATILE AND SCALABLE PREIMPLANTATION GENETIC TESTING FOR CHROMOSOMAL ANEUPLOIDY AND SEGMENTAL IMBALANCES	1. First/Co-first, Frontiers in Genetics, 2018, 9, 582, 4.772, A Single Common Assay for Robust and Rapid Fragile X Mental Retardation Syndrome Screening From Dried Blood Spots, <a href="https://doi.org/10.3389/fgene.2018.00582">https://doi.org/10.3389/fgene.2018.00582</a>



43	Theodoros Kofidis (AP)	Md Faizus Sazzad	Doctor of Philosophy (SoM)	DEVELOPING PERSONALIZED ATRIOVENTRICULAR HEART VALVES FOR HUMAN IMPLANTATION: BIOMIMICRY IN DESIGN AND TESTING	<ol style="list-style-type: none"> <li>1. First/Co-first, JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, 2023, NA, NA, 6.195, Transcatheter, Targeted, Myocardial Restoration Using Hydrogel-Based Cell-Free Compound Toward an Adoptable Clinical Protocol, <a href="https://doi.org/10.1016/j.xjon.2022.12.008">https://doi.org/10.1016/j.xjon.2022.12.008</a></li> <li>2. First/Co-first, Current Cardiology Reviews, 2022, 19 (Issue 1, 2023), NA, NA, Preclinical Large Animal In-Vivo Experiments for Surgically Implanted Atrioventricular Valve: Reappraisal and Systematic Review., <a href="https://doi.org/10.2174/1573403X18666220617115216">https://doi.org/10.2174/1573403X18666220617115216</a></li> <li>3. First/Co-first, Frontiers in Cardiovascular Medicine, 2022, eCollection 2021, NA, 5.846, Design Variation, Implantation, and Outcome of Transcatheter Mitral Valve Prosthesis: A Comprehensive Review, <a href="https://doi.org/10.3389/fcvm.2021.782278">https://doi.org/10.3389/fcvm.2021.782278</a></li> <li>4. First/Co-first, Scientific Reports, 2022, 12 (1), 7432, 4.996, Three dimensional modeling of atrioventricular valves provides predictive guides for optimal choice of prosthesis, <a href="https://doi.org/10.1038/s41598-022-10515-2">https://doi.org/10.1038/s41598-022-10515-2</a></li> <li>5. First/Co-first, Frontiers in Public Health, 2021, 9, 743748, 6.461, The Role of Leadership in Public Sector Innovation: A Systematic Review and Meta-Analysis of the Management of COVID-19 in Asian Countries, <a href="https://doi.org/10.3389/fpubh.2021.743748">https://doi.org/10.3389/fpubh.2021.743748</a></li> </ol>
44	Tuck Wah Soong (Prof)	Foo Song Chuan, Aaron	Doctor of Philosophy (SoM)	REGENERATIVE MEDICINE FOR NEUROLOGICAL DISORDERS	<ol style="list-style-type: none"> <li>1. First/Co-first, Frontiers in Aging Neuroscience, 2020, 12, 89, 5.702, Mitochondrial Dysfunction and Parkinson's Disease-Near-Infrared Photobiomodulation as a Potential Therapeutic Strategy., 10.3389/fnagi.2020.00089</li> </ol>
45	Wai-Shiu Fred Wong (Prof)	Matthew Heng Chew Kiat	Doctor of Philosophy (SoM)	IN-VIVO TRIGGER OF ON/OFF MAPK P38 ACTIVITY TO DECIPHER ITS CONTRIBUTION TO INFLAMMANTORY LUNG DISEASES	<ol style="list-style-type: none"> <li>1. First/Co-first, PHARMACOLOGY &amp; THERAPEUTICS, 2022, 235, 108153, 13.4, Targeting the p38<math>\beta</math> pathway in chronic inflammatory diseases: Could activation, not inhibition, be the appropriate therapeutic strategy?, <a href="https://doi.org/10.1016/j.pharmthera.2022.108153">https://doi.org/10.1016/j.pharmthera.2022.108153</a></li> </ol>
46	Ying Lau (AP)	Ang Wei How Darryl	Doctor of Philosophy (NUR)	Development and Evaluation of a Blended Resilience Training Among University Students: A Two-phase Study	<ol style="list-style-type: none"> <li>1. First/Co-first, International Journal of Environmental Research and Public Health, 2022, 19, 12729, 4.799, Resilience for undergraduate students: Development and evaluation of a theory-driven, evidence-based, and learner centered digital Resilience Skills Enhancement (RISE) program, <a href="https://doi.org/10.3390/ijerph191912729">https://doi.org/10.3390/ijerph191912729</a></li> <li>2. First/Co-first, International Journal of Environmental Research and Public Health, 2022, 19, 12899, 4.799, Becoming more resilient: Insights from a process evaluation of a digital resilience training, <a href="https://doi.org/10.3390/ijerph191912899">https://doi.org/10.3390/ijerph191912899</a></li> <li>3. First/Co-first, NURSE EDUCATION TODAY, 2022, NA, 10486, 3.906, Spotlight on noncognitive skills: Views from nursing students and educators, <a href="https://doi.org/10.1016/j.nedt.2022.105486">https://doi.org/10.1016/j.nedt.2022.105486</a></li> </ol>

47	Yunn Hwen Gan (AP)	Tan Yi Han	Doctor of Philosophy (SoM)	BACTERIAL AND HOST FACTORS AFFECTING THE PATHOGENESIS OF HYPERVIRULENT KLEBSIELLA PNEUMONIAE IN THE GASTROINTESTINAL TRACT	<ol style="list-style-type: none"> <li>1. First/Co-first, MOLECULAR MICROBIOLOGY, 2020, 113, 6, 3.979, Cell envelope defects of different capsule-null mutants in K1 hypervirulent Klebsiella pneumoniae can affect bacterial pathogenesis, 10.1111/mmi.14447</li> <li>2. First/Co-first, Nature Ecology &amp; Evolution, 2020, 4, 12, 19.1, Metagenome-wide association analysis identifies microbial determinants of post-antibiotic ecological recovery in the gut, 10.1038/s41559-020-1236-0</li> <li>3. First/Co-first, CELLULAR MICROBIOLOGY, 2017, 19, 13, 4.115, Complement-activated vitronectin enhances the invasion of nonphagocytic cells by bacterial pathogens Burkholderia and Klebsiella, 10.1111/cmi.12732</li> </ol>
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