

EPMA World Congress 2024 Program

Day 1: September 1st, Sunday

Opening Ceremony 15:00 - 17:00

SUMC Education Center 101N

Master of Ceremony: Prof. Jianjun Zhang (张建军), Shantou University Medical College

Welcome Address

- **City Government Representative**, Shantou, China
- **University Leadership**, Shantou University
- **Prof. Yanling Zhang (张雁灵)**, Honorary Life President of World Association of Chinese Doctors & Honorary Chair of EPMA World Congress 2024
- **Prof. Dr. Olga Golubnitschaja**, EPMA President & Chair of EPMA World Congress 2024
- **Prof. Dr. Halina Podbielska**, Leader of the EPMA World Congress 2021 in Poland – transfer of the leadership
- **Prof. Dr. Xuerui Tan (谭学瑞)**, Dean, Shantou University Medical College & Co-chair of EPMA World Congress 2024, China
- **Prof. Caroline Finch**, Deputy Vice Chancellor, Edith Cowan University, Australia
- **Dr. Frieda M.K. Law (罗敏洁)**, Executive Director, Li Ka Shing Shantou University Foundation

Launch of the Human Glycome Project - China

Short Address from Global Representatives of EPMA

- **Dr. Vincenzo Costigliola** – President of European Medical Association, Brussels
- **Prof. Dr. Kurt Krapfenbauer** – EPMA Vice-President for International Affairs / International jury panel of EPMA
- **Prof. Dr. Babak Baban** – International jury panel of the EPMA-YPS
- **Prof. Dr. Jasur Risaev** – EPMA Representation in the Middle Asia
- **Prof. Dr. Valentina Larionova** – International Eugene I. Schwartz Association in molecular medicine, medical and laboratory genetics
- **Prof. Dr. Mariia Evseveva** – Russian Society of Cardiology, Center for Health and Anti-aging Medicine, North Caucasus
- **Prof. Dr. Liudmila J. Orechova** – International Society of Periodontology
- **Dr. Colin Birkenbihl** – EPMA-YPS Award 2021; EPMA-YPS working group
- **Ms. Ema Vargová** – EPMA-YPS working group

Awarding Ceremony

- EPMA Award 2021 to Prof. Dr. Wei Wang (王巍), Edith Cowan University / Shantou University Medical College & Co-chair of EPMA World Congress 2024, Australia
- EPMA Awards 2024

Congress Dinner 18:00 - 20:00

Sports Stadium

Day 2: September 2nd, Monday

Plenary Lecture 13:00 - 13:45

Library Lecture Theater

Prof. Dr. Olga Golubnitschaja, EPMA, Germany

3PM innovation: who are the beneficiaries?

Thematic Session 13:45 - 16:30

Application of PPPM concepts to non-communicable diseases

Library Lecture Theater

Chairs:	<p>Prof. Dr. Ivica Smokovski, University Clinic of Endocrinology, North Macedonia Prof. Yuxiang Yan (闫宇翔), Capital Medical University (Online)</p>
Keynote Speakers:	<p>Prof. Dr. Ivica Smokovski, University Clinic of Endocrinology, North Macedonia <i>Digital biomarkers: 3PM approach revolutionizing chronic disease management – EPMA 2024 position</i></p> <p>Prof. Dr. Nadiya Boyko, Uzhhorod National University, Ukraine (Online) <i>Microbiome changes associated with atherosclerosis, posttraumatic stress syndrome and age-relevant diseases as the key targets for individual longevity (sum up of first national Ukrainian cohort study)</i></p> <p>Prof. Dr. Paolo Parini, Karolinska University Hospital, Sweden (Online) <i>Integration of multi-scale data to understand the complexity of cardiometabolic diseases: a dream or a reality?</i></p> <p>Prof. Friedemann Paul, NeuroCure, Charité University Medicine, Germany (online) <i>PPPM concepts in autoimmune CNS inflammation</i></p>
Invited Speakers:	<p>Prof. Yuxiang Yan (闫宇翔), Capital Medical University (Online) <i>Identification of circular RNA hsa_circ_0034621 as a novel biomarker for carotid atherosclerosis and the potential function as a regulator of NLRP3 inflammasome</i></p> <p>Dr. Shaowei Guo (郭少维), The First Affiliated Hospital of Shantou University Medical College <i>Multimodal detection and analysis of microplastics in human thrombi from multiple anatomically distinct sites</i></p> <p>Dr. Zhen He (何臻), The Second Affiliated Hospital of Shantou University Medical College <i>Effects of platelet count on blood pressure: evidence from observational and genetic investigations</i></p> <p>Prof. Ivana Stetkarova, Charles University, Czech Republic (Online) <i>Personalized approach and management of multiple sclerosis in the Czech Republic</i></p>
Contributors:	<p>Dr. Madina Zhalbinova, Nazarbayev University, Astana, Kazakhstan (Online) <i>Role of gene polymorphisms for heart failure patients with risks of complications development under anticoagulant treatments</i></p>

Dr. Lubomir Skladany, Slovak Medical University, Slovakia (Online)
Fecal microbiota transplantation in severe alcohol-associated hepatitis: mortality effect and 3PM-guided analysis of associated factors

Débora B. Ronca, Edith Cowan University & University of Brasilia, Brazil (Online)
Suboptimal health status, bone mineral density and the prevalence of osteoporosis in middle-aged women

Workshop of Young Professionals in PPPM 13:45 - 16:30

Library Room 30A

Chairs:	<p>Prof. Dr. Babak Baban, EPMA, USA Dr. Xueqing Wang (王雪卿), West China Hospital</p>
Invited Speaker:	<p>Ms. Ema Vargová, Ruzomberok, Slovakia (Online) <i>PPPM with eyes of a teenager</i></p>
Contributors:	<p>Dr. Wenying Liu (刘雯樱), Cancer Hospital of Shantou University Medical College <i>EEG oscillations and tongue muscle activities during rapid eye movement sleep</i></p> <p>Dr. Xue Yao (姚雪), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong <i>Analyzing the global incidence of intraocular foreign bodies (IOFBs) and the potential for improvement from 1990 to 2019</i></p> <p>Xianzhen Cai (蔡贤贞), The Second Affiliated Hospital of Shantou University Medical College <i>Evaluation of the use of EUROSCORE II to determine the prognosis of patients with moderate-to-severe aortic stenosis: a long-term retrospective study</i></p> <p>Kang Lin (林康), Shantou University Medical College <i>Factors influencing discharge readiness of parents of preterm infants in Neonatal Intensive Care Unit: a systematic review and meta-analysis</i></p> <p>Yuxian Wang (王浴先), The Second Affiliated Hospital of Shantou University Medical College <i>The impact of metabolic pattern changes on cardiovascular-kidney-metabolic comorbidities: a cohort study</i></p> <p>Xin Zhao (赵欣), Shenzhen Children's Hospital (Online) <i>Individualized treatment options for movement disorders</i></p> <p>Jieqing Ni (倪杰晴), Peking University School of Nursing (Online) <i>Acceptance and commitment therapy on patients with type 1 diabetes: a pilot study</i></p> <p>Dong Lin (林冬), Edith Cowan University (Online) <i>Trends in global burden of maternal hypertensive disorders: a 32-year analysis (1990-2021)</i></p> <p>Jiangyue Yao (姚江月), Edith Cowan University (Online) <i>An improved antibody-humanization method for therapeutic antibody development</i></p> <p>Pengxiang Ying (应鹏翔), Edith Cowan University (Online)</p>

Clarifying the effect of bovine arch on the risk of aortic-related adverse events after TEVAR in type B aortic dissection for predictive, preventive, and personalized medicine

Coffee Break & Poster Viewing 16:30 - 17:00

Thematic Session 17:00 - 20:00

Innovative technologies and start-ups in PPPM

Library Lecture Theater

Chairs:	<p>Prof. Jie Wu (吴杰), Shantou University Medical College Dr. Pavel Labuda, EPMA, Austria Dr. Anastasia Vasina, EPMA, Montenegro</p>
Keynote Speakers:	<p>Dr. Javier Conde Aranda, EPMA, Spain <i>Boosting predictive and personalized approaches in inflammatory bowel disease by high-throughput technologies (EU-awarded research)</i></p> <p>Dr. Alexander Karabatsiak, University of Innsbruck, Austria (Online) <i>Proteomics fingerprinting using hair identifies mitochondrial ATP synthase subunit F0 to correlate with mitochondrial bioenergetics in immune cells: a biomarker identification approach for major depressive disorder</i></p>
Invited Speakers:	<p>Dr. Pavel Labuda, EPMA, Austria <i>3PMedicon - your risk reducer</i></p> <p>Prof. Jie Wu (吴杰), Shantou University Medical College <i>A novel exclusive herbal extraction and application to improve mouse depression</i></p> <p>Dr. Anastasiia Vasina, EPMA, Montenegro <i>3PM approach in innovative rehabilitation concepts</i></p> <p>Prof. Xin Zhang (张昕), The First Affiliated Hospital of Shantou University Medical College <i>The regulatory role of mTOR signaling pathway in erythropoiesis</i></p> <p>Prof. Chiju Wei (魏灿灿), College of Science, Shantou University <i>A novel mitochondrial transplantation technique for the treatment of mitochondria-related diseases</i></p> <p>Prof. Godfrey Grech, University of Malta (Online) <i>Use of innovative multiplex tests to quantify actionable markers in extracellular vesicles from colorectal cancer patients</i></p> <p>Dr. Luisa Heinrich, University of Leipzig, Germany (Online) <i>From general practice to functional medicine - a 3PM way</i></p>
Contributor:	<p>Tingting Deng (邓婷婷), The First Affiliated Hospital of Shantou University Medical College <i>Improved immune response for colorectal cancer therapy triggered by multifunctional nanocomposites with self-amplifying antitumor ferroptosis</i></p>

Chairs:	<p>Prof. Dr. Babak Baban, EPMA, USA</p> <p>Dr. Xueqing Wang (王雪卿), West China Hospital</p>
Contributors:	<p>Dr. Xinyi Huang (黄欣仪), The First Affiliated Hospital of Shantou University Medical College <i>piRNA, a promising biomarker in detection of digestive diseases</i></p> <p>Dr. Bingbiao Lin (林炳标), Cancer Hospital of Shantou University Medical College <i>Associations of increased stromal estrogen activity with radiotherapy resistance, prognosis, and immune changes in patients with cervical cancer</i></p> <p>Dr. Kaihao Lin (林培皓), The First Affiliated Hospital of Shantou University Medical College <i>The causal effect of gut microbiota and immune cells on primary biliary cholangitis: a systematic Mendelian randomization study</i></p> <p>Shuxu Wei (魏树旭), The First Affiliated Hospital of Shantou University Medical College <i>Integrative multi-omics investigation of sleep apnea (SA): gut microbiome metabolomics, proteomics and phenome-wide association study (PheWAS)</i></p> <p>Shuyi Qiu (邱淑仪), Cancer Hospital of Shantou University Medical College <i>Trace elements in blood associated with esophageal squamous cell carcinoma risk, aggressiveness and prognosis in a high incidence region</i></p> <p>Qiyue Wang (王启越), The First Affiliated Hospital of Shantou University Medical College <i>Racket sports promote cardiovascular health across various population groups</i></p> <p>Yuming Chen (陈埴铭), The First Affiliated Hospital of Shantou University Medical College <i>N-halamine / graphene oxide coating with antibacterial activity for dental materials</i></p> <p>Renxian Xie (谢任贤), Cancer Hospital of Shantou University Medical College <i>Comparative efficacy and toxicity of two versus three induction chemotherapy cycles in locally advanced nasopharyngeal carcinoma: a propensity score matching analysis</i></p> <p>Yingjia Lin (林颖加), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong <i>Clinical macular edema following uneventful cataract surgery in eyes without pre-existing fundus diseases: risk factors and prognosis</i></p> <p>Ronghua Huang (黄荣华), The First Affiliated Hospital of Shantou University Medical College <i>Esketamine facilitates the recovery of neuromuscular function after root avulsion and replantation of brachial plexus by Increasing the spinal BDNF level mediated by phosphorylation of ERK/CREB</i></p> <p>Jiliang Huang (黄辑良), The First Affiliated Hospital of Shantou University Medical College <i>Elevated RIF1 participates in the epigenetic abnormalities of zygotes by regulating histone modifications on MuERV-L in obese mice</i></p> <p>Junyi Wu (吴俊仪), Joint Institute of Virology (Shantou University and The University of Hong Kong) <i>Assessment of the potential and impact of H9N2 influenza virus spillover from poultry to wild birds</i></p>

Day 3: September 3rd, Tuesday

Plenary Lecture 13:00 - 13:45

Library Lecture Theater

Prof. Dr. Wei Wang (王巍), Edith Cowan University / Shantou University Medical College
Glycomedicine

Thematic Session 13:45 - 15:30

Library Lecture Theater

Protection of populations against health-to-disease transition

Chairs:	Prof. Dr. Babak Baban , EPMA, USA Dr. Kunliang Qiu (邱坤良), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong
Keynote Speakers:	Prof. Dr. Babak Baban , EPMA, USA <i>Fending vascular dementia off diabetes</i> Prof. Shouling Wu (吴寿岭), Kailuan General Hospital, Tangshan, Hebei <i>Introduction of Kailuan Study</i>
Invited Speakers:	Prof. Mariia Evseveva , Stavropol State Medical University, Russia <i>Individualized health risk assessment followed by targeted prevention to protect young populations against health-to-disease transition</i> Dr. Zijing Huang (黄梓敬), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong <i>Protective effects of Nattokinase against microvasculopathy and neuroinflammation in diabetic retinopathy</i>
Contributor:	Dr. Miroslav Ferencik , F.D. Roosevelt University Hospital, Slovakia (Online) <i>State of the art of pain chronification prediction within the context of enhanced recovery after surgery (ERAS) protocols</i>

Thematic Session 15:30 - 16:30

Library Lecture Theater

Health risk assessment

Chairs:	Prof. Dr. Olga Golubnitschaja , EPMA, Germany Dr. Kurt Krapfenbauer , EPMA, Austria
Keynote Speaker:	Prof. Mary Clare O'Gara , Shantou University Medical College <i>Private pathways in public spaces: a cautionary tale in risk assessment</i>
Invited Speaker:	Prof. Jing Su (苏静), Shantou University Medical College <i>A cultural adaptation and testing on the reliability and validity of the Chinese version of the Menopause Symptom Assessment Scale</i>

Contributors:	<p>Dr. Dan Wu (吴丹), Edith Cowan University <i>Age-specific associations between circulating monocyte accumulation, aging and all-cause mortality: a real-life, prospective cohort study</i></p> <p>Dr. Yulong Lan (蓝裕龙), Edith Cowan University <i>Respiratory function, sarcopenia and all-cause death: a nationwide cohort study</i></p>
<p>Workshop of Young Professionals in PPPM 13:45 - 16:30 Library Room 30A</p>	
Chairs:	<p>Prof. Dr. Babak Baban, EPMA, USA Dr. Xueqing Wang (王雪卿), West China Hospital</p>
Contributors:	<p>Dr. Jiayi He (何嘉怡), The First Affiliated Hospital of Shantou University Medical College <i>Ginsenoside Rb1 alleviates diabetic kidney podocyte injury by inhibiting aldose reductase activity</i></p> <p>Lixin Ke (柯丽欣), The Second Affiliated Hospital of Shantou University Medical College <i>NMR-based metabolomics combined with metabolic pathway analysis reveals metabolic heterogeneity of colorectal cancer tissue at different anatomical locations and stages</i></p> <p>Jiahong Du (杜佳虹), Shantou University Mental Health Center <i>High arousal threshold is associated with metabolic syndrome in patients with obstructive sleep apnea</i></p> <p>Jingyi Guo (郭静宜), Shantou University Mental Health Center <i>Correlation of peripheral blood NLR, MLR and PLR with memory function in patients with schizophrenia</i></p> <p>Fuling Wan (万馥菱), Shantou University Mental Health Center <i>Effects of combined computerized cognitive remediation therapy on efficacy, cognitive function and biological indicators in schizophrenia</i></p> <p>Dandan Zheng (郑单丹), Shantou University Mental Health Center <i>Pre-COVID-19 short sleep duration and eveningness chronotype are associated with incident suicidal ideation during COVID-19 pandemic in medical students: a retrospective cohort study</i></p> <p>Bin Zhou (周斌), Shantou University Mental Health Center <i>Diagnostic value of sleep structure and nighttime electroencephalogram activity for major depressive disorder</i></p> <p>Huanbin Wu (吴焕彬), Shantou University Medical College <i>Intelligence and risk of intracranial aneurysm: a two-sample Mendelian randomization study and mediation analysis</i></p> <p>Rui Zhu (朱芮), Cancer Hospital of Shantou University Medical College <i>Transcriptomics-based analysis of prognostic value and potential regulatory mechanism of reducing N6AMT1 in luminal androgen receptor subtype of triple-negative breast cancer</i></p> <p>Runhuang Yang (杨润煌), Capital Medical University <i>Deep learning model for pathological grading and prognostic assessment of lung cancer using CT</i></p>

imaging: a study on NLST and external validation cohorts

Yuqi Xiu (修钰琦), Shantou University Medical College

Heterogeneity of quality of life in ischemic stroke patients: a latent profile analysis

Xiao Li (李萧), Chengdu University of Traditional Chinese Medicine

Transcriptome sequencing provides insights on molecular mechanism of moxibustion in the treatment of osteoporosis

Coffee Break & Poster Viewing 16:30 - 17:00

Thematic Session 17:00 - 17:45

Patient needs in primary, secondary and tertiary care

Library Lecture Theater

Chairs:	Prof. Dr. Valentina Larionova , EPMA, Russia-China Prof. Qiudi Chen (陈秋弟), The First Affiliated Hospital of Shantou University Medical College
Invited Speaker:	Prof. Dr. Valentina Larionova , EPMA, Russia-China <i>Patient needs in primary and secondary care</i>
Contributors:	Prof. Mian Peng (彭绵), Luohu Clinical College of Shantou University Medical College <i>Two mechanically ventilated cases of COVID-19 successfully managed with a sequential ventilation weaning protocol</i> Prof. Naili Wei (魏乃礼), The First Affiliated Hospital of Shantou University Medical College <i>The APOE4 allele decreased IL-7/IL7R signaling in CD4+ or CD8+ Tem T cells and exacerbated the neuroinflammation and cognitive degeneration in Alzheimer's disease</i>

Thematic Session 17:45 - 20:00

Application of artificial intelligence in PPPM

Library Lecture Theater

Chairs:	Prof. Haoyu Chen (陈浩宇), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong Dr. Colin Birkenbihl , EPMA, Boston, USA (Online)
Invited Speakers:	Prof. Haoyu Chen (陈浩宇), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong <i>Personalized confidence level of artificial intelligence in predicting retinal diseases</i> Dr. De Zeng (曾德), Cancer Hospital of Shantou University Medical College <i>AI application in full-course management of breast cancer</i> Dr. Guihua Zhang (张贵华), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong <i>A machine learning tool for predicting anti-VEGF efficacy of diabetic macular edema</i> Dr. Geng Wang (王耿), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong

Keynote Speaker:	<i>Multi-dimensional imaging model for screening of primary open angle glaucoma</i>
	Dr. Kunliang Qiu (邱坤良), Joint Shantou International Eye Center (JSIEC) of Shantou University and the Chinese University of Hong Kong <i>Individualized patterns and intraocular asymmetry of early RNFL defect in myopic eyes</i>
	Prof. Dr. Natalia Kurysheva , Ophthalmological Center of the Federal Medical and Biological Agency of the Russian Federation, Russia (Online) <i>Machine learning-coupled treatment algorithms tailored to individualized profile of patients with primary anterior chamber angle closure predisposed to the glaucomatous optic neuropathy</i>
	Prof. Yih-Chung Tham , National University of Singapore (Online) <i>Integrated image-based deep learning and language models for diabetic retinopathy: multi-stage development, testing and prospective comparative study</i>
	Dr. Colin Birkenbihl , EPMA, Boston, USA (Online) <i>Artificial intelligence-guided prognostic enrichment in clinical trials for dementia</i>

Thematic Session 17:00 - 20:00
Advancements in virology, genomics, and healthcare: a multidisciplinary perspective Library Room 30A

Chairs:	Dr. Qingsong Qin (覃青松), Shantou University Medical College Dr. Siqi Ge (盖思齐), Capital Medical University
Contributors:	Dr. Peiwen Chen (陈佩雯), Joint Institute of Virology (Shantou University and The University of Hong Kong) <i>Emergence and establishment of a North American lineage of H10N4 avian influenza virus in southern China: a potential threat to humans</i>
	Pai Liu (刘派), Shenzhen Children's Hospital <i>Genomic insights, transmission dynamics, and blaOXA-10 detection in pediatric Pseudomonas aeruginosa</i>
	Hui Zhou (周慧), Central South University, Changsha, Hunan <i>Association between low-density lipoprotein cholesterol elevation and risk of cardiovascular disease: the Kailuan Study</i>
	Wenwen Liu (刘文文), Central South University, Changsha, Hunan <i>Current status of smart care implementation in healthcare organizations in Shandong Province, China: a cross-sectional study</i>
	Prof. Mian Peng (彭绵), Luohu Clinical College of Shantou University Medical College <i>Upregulated CD8+ MAIT cell differentiation and KLRD1 gene expression after inactivated SARS-CoV-2 vaccination identified by single-cell sequencing</i>
	Prof. Mian Peng (彭绵), Luohu Clinical College of Shantou University Medical College <i>Akkermansia muciniphila improves heat stress-impaired intestinal barrier function by modulating HSP27 in Caco-2 cells</i>
	Haiping Zhang (张海平), Capital Medical University (Online)

Integrating multi-omics to construct a predictive model for the development of mild cognitive impairment into Alzheimer's disease

Chunbin Zhou (周淳彬), Edith Cowan University (Online)

Identification of potential circRNA biomarkers associated with drug resistance in osteosarcoma

Liyang Chen (陈立言), Edith Cowan University (Online)

Evaluations of hepatic metabolomics during pringle maneuver-induced liver ischemia and reperfusion injury in rats combining gas chromatography-mass spectrometry and liquid chromatography-mass spectrometry

Wanqi Wang (王莞琪), Edith Cowan University (Online)

Development and validation of a novel prognostic model of adverse events after endovascular treatment in patient with ruptured intracranial aneurysm

Zhixian Chen (陈植娴), Edith Cowan University (Online)

IgG N-glycosylation patterns in primary Sjögren's syndrome: potential diagnostic biomarkers

Day 4: September 4th, Wednesday

Plenary Lecture (Online) 13:00 - 13:45

Library Lecture Theater

Prof. Dr. Russell J Andrews, Nanotechnology & Smart Systems Groups, NASA, Ames Research Center, USA
Human brain vs machine brain: where we are coming from and where we are going to?

Thematic Session 13:45 - 15:45

Omics studies / Engineering Conference on "Glycomedicine—unraveling the paracentral dogma"

Library Lecture Theater

Chairs:	Prof. Andy Tao Yin Lau (刘道然), Shantou University Medical College Prof. Haifeng Hou (侯海峰), Shandong First Medical University
Keynote Speaker:	Prof. Dr. Wei Wang (王嵬), Edith Cowan University / Shantou University Medical College <i>Paracentral Dogma - supporting the central dogma with sugar codes</i>
Invited Speakers:	Prof. Jingdong Han (韩敬东), Center for Quantitative Biology, Peking University (online) <i>Three-dimensional facial-image analysis to predict heterogeneity of the human ageing rate and the impact of lifestyle</i> Prof. Andy Tao Yin Lau (刘道然), Shantou University Medical College <i>Non-cytotoxic levels of resveratrol enhance the anticancer effects of cisplatin by increasing the methyltransferase activity of CARM1 in human cancer cells</i> Dr. Chengyang Huang (黄承扬), Shantou University Medical College <i>Epigenomic and functional genomic analyses for identifying aging biomarkers: advancing PPPM for age-related diseases</i>

	<p>Prof. Juntao Gao (高军涛), Tsinghua University (Online) <i>Image-based 3D genomics and transcriptomics</i></p> <p>Dr. Xingang Li (李欣刚), Edith Cowan University (Online) <i>Unveiling the impact of gene expression on IgG N-Glycosylation: insights from transcriptome and IgG N-Glycome profiling in Mid-Age individuals</i></p>
Contributor:	<p>Seungyoul Oh, Edith Cowan University (Online) <i>Glycomedicine and precision medicine in the era of single-cell multiomics</i></p>

Thematic Session 15:45 - 16:30
Travel medicine and healthcare (Online) Library Lecture Theater

Chairs:	<p>Dr. Jun Wen (文俊), Edith Cowan University Dr. Danni Zheng (郑丹妮), Fudan University</p>
Invited Speakers:	<p>Dr. Jun Wen (文俊), Edith Cowan University <i>Using an interdisciplinary approach to investigate the behaviors of travel-eligible tourists with mild dementia with a focus on travel therapy</i></p> <p>Dr. Danni Zheng (郑丹妮), Fudan University <i>Tourism healing: interdisciplinary international research progress, methods and implications</i></p> <p>Ms. Fangli Hu (胡方丽), Edith Cowan University <i>Advancing travel medicine: embracing the health benefits of tourism</i></p>

Thematic Session 13:45 - 16:30
Rejuvenation of TCM by innovative 3PM concepts benefiting populations (1st Half) Library Room 30A

Chairs:	<p>Prof. Peng Zhou (周鹏), Shenzhen Bao'an Traditional Chinese Medicine Hospital Dr. Hang Li (李航), Shenzhen Bao'an Traditional Chinese Medicine Hospital</p>
Keynote Speakers:	<p>Prof. Chunzhi Tang (唐纯志), Guangzhou University of Chinese Medicine <i>Exploring the clinical efficacy and mechanism of Qihuang needle intervention in tic disorders base on muti-omics</i></p> <p>Prof. Hang Li (李航), Shenzhen Bao'an Traditional Chinese Medicine Hospital <i>Discovery of anti-pulmonary fibrosis natural products targeting hyaluronic acid synthase 2</i></p> <p>Prof. Liming Lu (陆丽明), Guangzhou University of Chinese Medicine <i>Explore acupuncture effect under different methadone dose trajectories in methadone tapering: machine learning analysis of two clinical trials</i></p> <p>Prof. Jiliang Fang (方继良), China Academy of Chinese Medical Sciences <i>An emerging discipline at the intersection of acupuncture and imaging</i></p> <p>Prof. Jun Yang (杨骏), Anhui University of Chinese Medicine <i>Research of peripheral facial paralysis on Hegu acupuncture</i></p> <p>Prof. Timothy Kang (江林), Shenzhen Bao'an Traditional Chinese Medicine Hospital</p>

Clinical manipulation with inserting needles and generating Qi simultaneously in both acupoints

Coffee Break & Poster Viewing 16:30 - 17:00

Thematic Session 17:00 - 18:30 Cancer

Library Lecture Theater

Chairs:	Prof. Xianquan Zhan (詹显全), Shandong First Medical University Prof. Xifeng Lu (卢玺峰), The First Affiliated Hospital of Shantou University Medical College
Keynote Speaker:	Prof. Xianquan Zhan (詹显全), Shandong First Medical University <i>Phenome-centered multiomics study in ovarian cancer for 3P medical approach</i>
Invited Speakers:	Dr. Chuangzhen Chen (陈创珍), Cancer Hospital of Shantou University Medical College <i>Intestinal low dose Irradiation restore tumor sensitivity to PD-1 blockade in metastatic cancer: preliminary results from a phase-II proof-of-concept study</i> Dr. Jianzhou Chen (陈建洲), Cancer Hospital of Shantou University Medical College <i>Organoid-based vaccine for Lynch syndrome-associated colorectal cancer</i> Dr. Yuanke Liang (梁元科), The First Affiliated Hospital of Shantou University Medical College <i>Strategy and molecular mechanism of targeted therapy for triple-negative breast cancer</i> Dr. Tiantian Zhai (翟田田), Cancer Hospital of Shantou University Medical College <i>Development and validation of radiomics models predicting response of neoadjuvant therapy in locally advanced head and neck squamous cell carcinoma</i>

Thematic Session 18:30 - 20:00 Education in PPPM

Library Lecture Theater

Chairs:	Prof. Dr. Olga Golubnitschaja , EPMA, Germany Prof. Xifeng Lu (卢玺峰), The First Affiliated Hospital of Shantou University Medical College
Keynote Speakers:	Prof. Dr. Olga Golubnitschaja , EPMA, Germany <i>Editor-in-Chief of the EPMA J. - Introductory lecture</i> Prof. Howard Bauchner , JAMA EIC (2011-2021), Boston University Chobanian & Avedisian School of Medicine, USA (Online) <i>AI & the future of scientific publication</i>
Invited Speaker:	Dr. Marko Kapalla , F.D. Roosevelt University General Hospital of Banská Bystrica, Slovak Republic (Online) <i>Education and didactics in predictive, preventive, and personalised medicine</i>

Thematic Session 17:00 - 20:00 Rejuvenation of TCM by innovative 3PM concepts benefiting populations (2nd Half)

Library Room 30A

Chairs:	Prof. Jun Yang (杨骏), Anhui University of Chinese Medicine
---------	--

Contributors:

Prof. Timothy Kang (江林), Shenzhen Bao'an Traditional Chinese Medicine Hospital

Dr. Qiongnan Bao (保琼楠), Chengdu University of Traditional Chinese Medicine
Comparative efficacy and safety of acupuncture for postpartum hypogalactia: a systematic review and meta-analysis of randomized controlled trials

Dr. Li Chen (陈丽), Hubei University of Chinese Medicine
From theory to practice: innovations in preventive treatment by acupuncture

Dr. Shanshan Gao (高山山), Guang'anmen Hospital of China Academy of Chinese Medical Sciences
The immediate modulatory effects of transcutaneous auricular vagus nerve stimulation on Parkinson's disease by rs-fMRI: a pilot study

Dr. Xianbing Hou (侯献兵), Hebei Province Cangzhou Combined Traditional Chinese and Western Medicine Hospital
Opportunities and challenges of acupuncture and moxibustion intervention in sub-optimal health status

Dr. Xiao Li (李筱), Beijing University of Chinese Medicine
Study on smart TCM generalized inspection diagnosis based on the concept of 3P Medicine

Dr. Zheng Sun (孙征), The Second Affiliated Hospital of Nanjing University of Chinese Medicine
Acupuncture for hemiplegic gait of subacute and chronic stroke: a systematic review and meta-analysis

Dr. Shurui Yang (杨姝瑞), Hubei University of Chinese Medicine
Innovative 3PM approaches to rejuvenate TCM: a new horizon in Type 2 diabetes mellitus

Dr. Zihan Yin (银子涵), Chengdu University of Traditional Chinese Medicine
Association between chronic stable angina and the specific acupoints: a multi-center, prospective, observational study

Dr. Tao Yin (尹涛), Chengdu University of Traditional Chinese Medicine
Predicting acupuncture efficacy for functional dyspepsia based on clinical-functional brain networks features

Dr. Xinyue Zhang (张欣悦), Chengdu University of Traditional Chinese Medicine
Visualization research on Traditional Chinese Medicine prevention and treatment of mild cognitive impairment based on CiteSpace

Day 5: September 5th, Thursday

Plenary Lecture (Online) 13:00 - 13:45

Library Lecture Theater

Prof. Mohamed A. Farag, Editor-in-chief of *eFood*, Managing editor of *Journal of Advanced Research*, Faculty of Pharmacy, Cairo, Egypt
Dark side behind publishing, lessons from the editor (the Do and Don't in publishing)

Thematic Session 13:45 - 16:30
Sleep medicine

Library Lecture Theater

Chairs:	Prof. Yun Li (李韵) , Shantou University Mental Health Center Prof. Dr. Kneginja Richter , Technical University Nuremberg, Germany (Online)
Keynote Speakers:	Prof. Wing Yun Kwok (荣润国) , The Chinese University of Hong Kong <i>Sleep and circadian medicine to prevent mental and neurodegenerative disorders</i> Prof. Zhili Huang (黄志力) , Fudan University <i>Discovery of neuronal subtypes & circuits in sleep-wake regulation: insights from the basal ganglia</i>
Invited Speakers:	Dr. Yue Leng (冷月) , University of California, San Francisco (Online) <i>Harnessing sleep big data for precision brain health</i> Prof. Yun Li (李韵) , Shantou University Mental Health Center <i>The association between objective daytime sleepiness and glucose metabolism in OSA patients: a metabolomics study</i> Prof. Dr. Kneginja Richter , Technical University Nuremberg, Germany (Online) <i>Digital measuring of health and sleep with smartwatches</i> Dr. Jihui Zhang (张继辉) , The Affiliated Brain Hospital, Guangzhou Medical University <i>The link between sleep-wake & heart-brain health</i> Dr. Hanqiao Wang (王菡侨) , The Third Hospital of Hebei Medical University <i>Clinical predictors of mixed apneas in patients with obstructive sleep apnea</i> Dr. Xiao Tan (谈笑) , Zhejiang University <i>Sleep and circadian phenotypes in metabolic diseases: mechanisms and clinical practice</i> Dr. Fengfei Ding (丁凤菲) , Fudan University <i>An interactive multimodal intervention (CIMI) for improving self-guided stress management</i> Dr. Rachel Ngan Yin Chan (陈银燕) , The Chinese University of Hong Kong <i>Cognitive behavioral therapy for insomnia in youths</i>

Thematic Session 13:45 - 15:15
Exercise medicine (Online)

Library Room 30A

Chairs:	Prof. Ken Nosaka , Edith Cowan University Prof. Anthony Blazevich , Edith Cowan University
Invited Speakers:	Prof. Anthony Blazevich , Edith Cowan University <i>Precision “exercise training” to improve physical function</i> Prof. Ken Nosaka , Edith Cowan University <i>Eccentric exercise as medicine</i> Prof. Robert Newton , Edith Cowan University <i>Exercise oncology – adjunct treatment in the management of cancer</i>

Thematic Session 15:15 - 16:30**Nutrition / Lifestyle****Library Room 30A**

Chairs:	<p>Dr. Benjamin Haddon Parmenter, Edith Cowan University (Online) Dr. Abadi Kahu Gebre, Edith Cowan University (Online)</p>
Invited Speakers:	<p>Prof. Nai-Kei Wong (黄乃淇), Shantou University Medical College <i>Roles of nutritional sulfur compounds in human longevity and aging</i></p> <p>Prof. Weini Xin (辛蔚妮), Clinic of Stomatology, Shantou University Medical College <i>Predictive Insights into vitamin intake and caries: a retrospective research</i></p> <p>Dr. Benjamin Haddon Parmenter, Edith Cowan University (Online) <i>Dietary flavonoid intake and risk of ischemic stroke and its subtypes: a cohort study</i></p> <p>Dr. Abadi Kahu Gebre, Edith Cowan University (Online) <i>Getting to the heart of healthy ageing; understanding cardiovascular causes of falls and fractures</i></p> <p>Dr. Simone Radavelli Bagatini, Edith Cowan University (Online) <i>Eating-related strategies to alleviate stress and improve mental health</i></p> <p>Dr. Caroline R. Hill, Edith Cowan University (Online) <i>Cruciferous and allium vegetables for cardiovascular health: SMCSO what?!</i></p> <p>Dr. Lauren Blekkenhorst, Edith Cowan University (Online) <i>Cruciferous vegetable effects on cardiometabolic health measures in non-diabetic adults with mildly elevated blood pressure</i></p>

Coffee Break & Poster Viewing 16:30 - 17:00**Thematic Session 17:00 - 20:00****Innovative therapies and diagnostics in oncology and cardiology****Library Lecture Theater**

Chairs:	<p>Dr. Dan Wu (吴丹), Edith Cowan University Dr. Hao Wang (王皓), Capital Medical University</p>
Contributors:	<p>Dr. Dangui Zhang (张丹桂), The Second Affiliated Hospital of Shantou University Medical College <i>Sensing-probe-integrated nanoblocker for LILRB4 immune checkpoint therapy and immune response monitoring in acute myeloid leukemia</i></p> <p>Dr. Caiyu Zhuang (庄彩玉), The First Affiliated Hospital of Shantou University Medical College <i>Theranostic CEST-enhanced drug delivery system for postsurgical treatment of glioblastoma</i></p> <p>Kai Chen (陈凯), Cancer Hospital of Shantou University Medical College <i>Preclinical evaluation of anlotinib in nasopharyngeal carcinoma</i></p> <p>Yueran Zhou (周悦然), The First Affiliated Hospital of Shantou University Medical College <i>Ubc9 promotes autophagy and attenuates cardiomyocyte injury in diabetic cardiomyopathy</i></p>

Débora B. Ronca, Edith Cowan University & University of Brasilia, Brazil (Online)
Long-term results after metabolic bariatric surgery: analysis comparing Brazilian public and private healthcare systems

Caipan Gong (龚财判), Edith Cowan University (Online)
Low serum cholinesterase is associated with poor prognosis in patients with atrial fibrillation

Zhisheng Chen (陈志生), Edith Cowan University (Online)
Horizontal QRS axis predicts cardiac resynchronization therapy response and prognosis

Ruirui Xu (许锐锐), Edith Cowan University (Online)
N-glycosylation of plasma IgG in colorectal cancer diagnosis

Hongli Sun (孙红丽), Edith Cowan University (Online)
Nanobody-based T cell engager as a promising tool for cancer immunotherapy

Zhuoqiao He (何卓乔), Edith Cowan University (Online)
High heart rate load is associated with poor prognosis in young patients with coronary heart disease after percutaneous coronary intervention

Thematic Session 17:00 - 20:00

Innovative approaches in neurology, oncology, and chronic disease management

Library Room 30A

Chairs:	<p>Dr. Qingsong Qin (覃青松), Shantou University Medical College Dr. Yulong Lan (蓝裕龙), Edith Cowan University</p>
Contributors:	<p>Dr. Haijie Xu (许海杰), The First Affiliated Hospital of Shantou University Medical College <i>The new IASLC grading system for invasive lung adenocarcinoma predicts the prognosis of patients receiving neoadjuvant immunotherapy</i></p> <p>Dr. Fan Zhang (张凡), Cancer Hospital of Shantou University Medical College <i>Statin use as a moderator on the association between metformin and breast cancer risk in women with type 2 diabetes mellitus</i></p> <p>Siqi Liu (刘思奇), The Second Affiliated Hospital of Shantou University Medical College <i>In vivo γ-aminobutyric acid imaging using chemical exchange saturation transfer magnetic resonance imaging to investigate the effects of radiofrequency–electromagnetic field exposure in APP/PS1 mice</i></p> <p>Jinhong Wang (王金宏), The First Affiliated Hospital of Shantou University Medical College <i>Research on the construction and application of breast lesions AI classification model based on ultrasound dynamic videos and US characteristics</i></p> <p>Xin Zhao (赵欣), Shenzhen Children’s Hospital (Online) <i>Effects of rTMS combined with tDCS on motor function</i></p> <p>Lan Chen (陈岚), Edith Cowan University (Online) <i>The change and correlation between gut microbiota and plasma metabolites during treatment in Chinese patients with Graves’ disease</i></p>

Weijie Cao (曹维杰), Edith Cowan University (Online)

The potential role of suboptimal health status in the development of metabolic syndrome

Xiaoja Xu (许晓佳), Edith Cowan University (Online)

High-throughput profiling of IgG N-glycosylation as potential diagnostic biomarkers for ankylosing spondylitis

Wenxue Tong (童文学), The First Affiliated Hospital of Shantou University Medical College (Online)

Optogenetic controlled tissue-targeting AAV combination for osteoarthritis gene therapy and prevention

Tharani Senavirathna, Edith Cowan University (Online)

Therapeutic potential of ellagic acid on a NASH mouse model

Day 6: September 6th, Friday

Awarding & Closing Ceremony 15:00 - 16:00

SUMC Education Center 101N

Master of Ceremony: Prof. Jianjun Zhang (张建军), Shantou University Medical College

Awarding Ceremony

- **Prof. Dr. Babak Baban** - Awards for Young Professionals
- **Prof. Dr. Wei Wang** (王巍) - Awards for Best Presentations

Closing Remarks

- **Prof. Dr. Xuerui Tan** (谭学瑞) - Dean, Shantou University Medical College & Co-chair of EPMA World Congress 2024, China
- **Prof. Dr. Wei Wang** (王巍) - Edith Cowan University / Shantou University Medical College & Co-chair of EPMA World Congress 2024, Australia
- **Prof. Dr. Olga Golubnitschaja** - EPMA President & Chair of EPMA World Congress 2024

EPMA General Assembly 16:00 - 17:00

SUMC Education Center 101N