



SCUT Newsletter 华工新闻快讯



1. South China University of Technology receives multiple awards at the sixth National College Students Concrete Material Design Competition

华南理工大学获第六届全国大学生混凝土材料设计大赛多项殊荣

From July 14 to 15, the sixth National College Students Concrete Material Design Competition "Subot Cup" was held at Wuhan University of Technology. The competition attracted a total of 144 teams of college students from 80 universities across the country. South China University of Technology won the Group Special Prize, the First Prize and the Individual Special Prize.

7月14-15日，“苏博特杯”第六届全国大学生混凝土材料设计大赛在武汉理工大学举行。大赛共吸引了来自全国80所高校的144支大学生队伍参赛，华南理工大学在本次大赛中获得团体特等奖、一等奖和个人特等奖。

The National College Students Concrete Material Design Competition is the largest and most influential science and technology competition that showcases college students' research and practical abilities in the field of building materials and civil engineering. The competition is targeted at students majoring in inorganic non-metallic materials and civil engineering. It is held every two years and has been held six times so far.

全国大学生混凝土材料设计大赛是全国建筑材料及土木工程类专业领域中规模最大、关注度最高、影响最广的锻炼大学生科研实践能力的科技竞赛活动，主要面向全国高校无机非金属材料与土木工程专业大学生，每两年举办一次，迄今已举办六届。



2. South China University of Technology wins the 10th Asia Pacific College Chinese Debate Open Championship

华南理工大学获第十届亚太大专华语辩论公开赛冠军

On July 24, the final of the 10th Asia Pacific College Chinese Debate Open Championship (hereinafter referred to as the "Asia Pacific Debate") was held online. The debate team of South China University of Technology won the championship, and Lai Xiangjun, a 2019 undergraduate majoring in e-commerce and member of the debate team, won the title of "best debater".

7月24日，第十届亚太大专华语辩论公开赛总决赛（下文简称“亚太辩”）线上举行。华南理工大学辩论队在总决赛中摘取冠军头衔，辩论队队员、2019级电子商务系本科生赖香君获得“最佳辩手”称号。

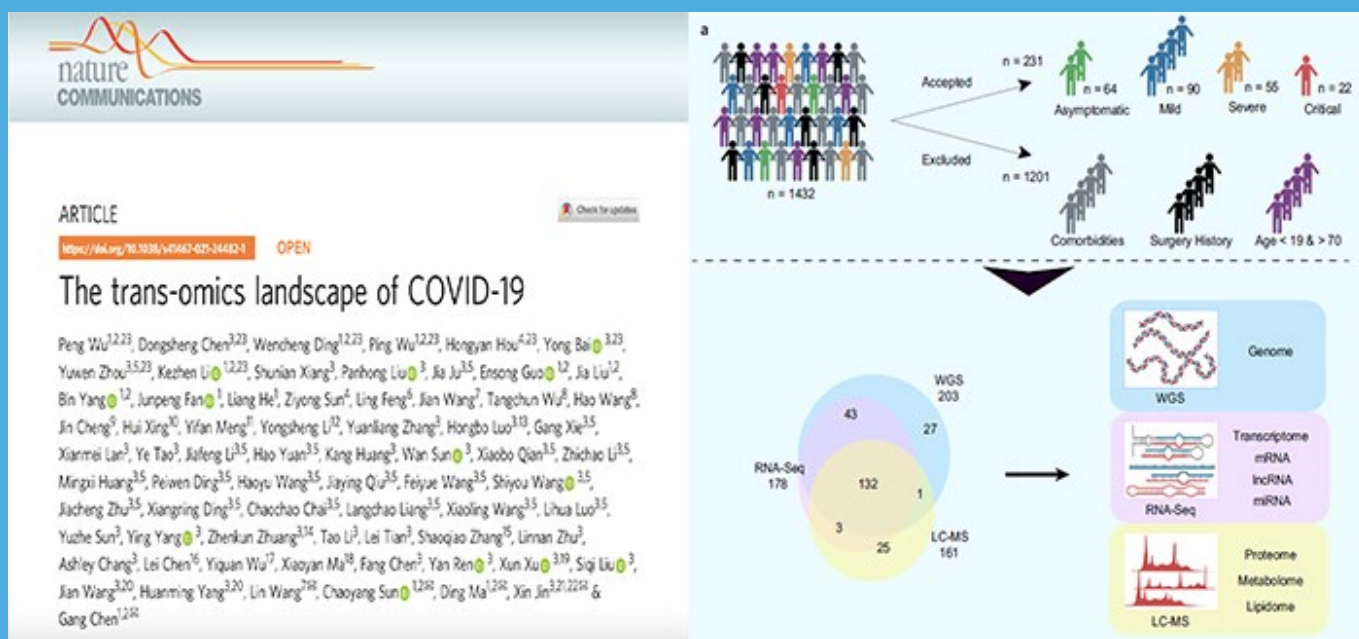
Hosted by the Chinese Society of Nanyang Technological University (NTU), the 10th Asia-Pacific Debate was held online for the first time since its inception in 2004, attracting debate teams from 81 prestigious universities globally. The teams came from nine regions around the world, including Singapore, Malaysia, China, Australia and other Asia-Pacific countries and regions, as well as the

University of Cambridge from UK and the University of Toronto from Canada.

第十届亚太辩由新加坡南洋理工大学中文学会主办，此次赛事是亚太辩自2004年创赛以来首次在网络平台举行，吸引了全球81所著名大学的辩论队报名参赛。参赛队伍分别来自全球9个地区，除新加坡、马来西亚、中国以及澳洲等亚太国家和地区外，也有来自英国的剑桥大学以及加拿大的多伦多大学。

The Asia-Pacific Debate is held every two years. It aims to enhance the atmosphere of Chinese language debate in Asia-Pacific universities, identify outstanding debate talents, improve reflection and commentary on current affairs and social trends, popularize the use of Chinese on the international stage, and promote friendly relations among universities in the Asia Pacific.

亚太辩两年一届，旨在提高亚太大专学府的华语辩论风气，发掘优秀辩论人才，提高对时事及社会动态的思考及评论，普及华语在国际舞台上的使用，促进亚太大专辩论队之间的友好关系。



3. Jin Xin's research group publishes paper in Nature Communications revealing the blood through-omics characteristics of COVID-19 patients

金鑫课题组在Nature Communications发文揭示新冠患者血液贯穿组学特征

On July 27, the research paper "The trans-omics landscape of COVID-19" was published online in the journal Nature Communications by Prof. Xin Jin of the School of Medicine co-working with his counterparts of Tongji Medical College of Huazhong University of Science and Technology as well as Shenzhen Huada Institute of Life Sciences. For the first time, blood samples from 231 COVID-19 patients were analyzed by cross-omics sequencing at the genome, transcriptome, proteome, metabolome, lipid and non-coding RNA levels. This study systematically reveals the multiomics characteristics of COVID-19, providing clues to potential treatment strategies for COVID-19.

7月27日，华南理工大学医学院金鑫研究员课题组联合华中科技大学同济医学院和深圳华大生命科学研究院在《自然-通讯》(Nature Communications)杂志在线发表了题为 "The trans-omics landscape of COVID-19" 的研究论文，首次从基因组、转录组、蛋白组、代谢组、脂质组、非编码RNA等层面对231例新冠患者的血液进行了贯穿组学测序分析。该研究系统地揭示了COVID-19的多组学特征，为COVID-19的

潜在治疗策略提供线索。

Through systematic analysis, the joint research team not only found SNP loci and related genes potentially associated with COVID-19 symptoms, but also revealed that accumulation of tryptophan metabolites may be one of the reasons leading to abnormal T/NK cell function in severe patients. In addition, the researchers found that interferon signaling was gradually inhibited with the severity of the disease. These results suggest that interferon signaling may play an important role in disease progression in COVID-19 patients.

课题联合攻关团队通过系统性的分析，不仅找到了跟新冠肺炎症状具有潜在关联的SNP位点及相关基因，还揭示了色氨酸代谢产物积累可能是导致重症患者的T/NK细胞功能异常的原因之一。除此之外，研究人员在分析过程中发现了干扰素信号通路随着疾病的严重程度逐渐被抑制的现象。这一结果显示干扰素信号通路可能在新冠患者的病情进展中发挥了重要的作用。



4. South China University of Technology approved for 265 projects of the National Natural Science Foundation of China in 2021

华南理工大学获批2021年度国家自然科学基金项目265项

On August 23, the National Natural Science Foundation of China (NSFC) announced the results of the 2021 centralized project evaluation. South China University of Technology was approved for 265 projects funded by the National Natural Science Foundation of China, including 3 outstanding Youth Science Fund projects and 8 outstanding Youth Science Fund projects. The number of talent projects approved reached the highest level in history.

8月23日，国家自然科学基金委员会公布2021年度集中受理项目评审结果。华南理工大学共获各类国家自然科学基金资助项目265项。其中，获批杰出青年科学基金项目3项、优秀青年科学基金项目8项，人才类项目获批数创历史最好成绩。

Attachment: General overview of the projects approved by the National Natural Science Foundation of China in 2021

附：2021年学校获批国家自然科学基金项目总体情况

Funding category 资助类别	Number of approved projects 获批项目数量
General projects 面上项目	142
Youth Science Foundation projects 青年科学基金项目	100
Key projects 重点项目	7
National Science Foundation for Distinguished Young Scholars 国家杰出青年科学基金	3
Outstanding Youth Science Foundation project 优秀青年科学基金项目	8
International (regional) cooperation and exchange projects 国际(地区)合作与交流项目	4
Special projects 专项项目	1
Total 总计	265



5. A long history of youth setting sail South China University of Technology holds the opening ceremony of the class of 2021

百年风华 青春扬帆 华南理工大学2021级新生开学典礼举行

On the morning of September 10, the opening ceremony of South China University of Technology's class of 2021 was held. The ceremony was divided into three chapters: "Flower City · Encounter", "Yangcheng City · Reform" and "Guangzhou City · Fertile land", which illustrates the youthful style of students in South China University of Technology and highlights the vitality of Guangzhou as an international first-class city. 4,000 students were on site and nearly 10,000 students attended the ceremony in the sub-hall of the third district of the first school. The ceremony was simultaneously

broadcast online through multiple media, attracting alumni, parents and friends from all over the world to watch the ceremony in the "cloud" and enjoy the feast together.

9月10日上午，华南理工大学2021级新生开学典礼举行。开学典礼分“花城·遇见”“羊城·维新”“穗城·沃土”三个篇章，展现华南理工学子的青春风貌，彰显广州国际一流城市的活力气度。4000名学生在现场、近万名同学在一校三区的分会场参加典礼。典礼同时通过多个媒体进行线上直播，吸引全球广大校友、学生家长、社会友人在“云端”观礼，共襄盛宴。

After the ceremony, a note with the teacher's message fell from the drone: "There is light in your eyes and dreams in your heart. Don't ponder the past or fear the future; Embrace campus n and achieve a better you "Creativity = power to learn X power to think X power to act"..... Such blessings and encouragement help make the freshmen of class of 2021 clear about their goals and multiply their power to move forward.

礼毕，印有师长寄语的纸条从无人机上落下，“眼中有光，心中有梦。不念过往，不畏将来；拥抱华园，成就更好的你”“创造力=学习力X思想力X行动力”.....一句句祝福与鼓励，令2021级新生明确奋斗的目标，倍增前行的力量。



6. The first National College Students Industrial Architecture and Intelligent Construction Competition was held South China University of Technology achieves outstanding results

首届全国大学生工业化建筑与智慧建造竞赛举行 华南理工获佳绩

The Final of the First National College Students Industrial Architecture and Intelligent Construction Competition was held online on Sept 11. The competition lasted for more than 300 days, attracting nearly 500 teams from more than 170 institutions of higher education, including Tsinghua University, Tongji University, Zhejiang University and South China University of Technology, with a total of 3,063 participants. South China University of Technology won 1 First prize and 3 Second prizes in this competition, and won the excellent organization award.

9月11日，首届全国大学生工业化建筑与智慧建造总决赛于线上举行。本次竞赛历时300余天，共吸引来自

清华大学、同济大学、浙江大学、华南理工大学等170余所高等院校近500支队伍报名参赛，累计参赛人数3063人。华南理工大学在本次竞赛中获得一等奖1项、二等奖3项，并获优秀组织奖。

With the theme of "Digital Design and Intelligent Construction of Prefabricated Concrete Buildings", the competition adopts the way of presenting works by combining scheme booklets, video animations and physical displays, with a focus on the innovation of works in architecture, structure, electromechanical, construction and operation and maintenance management, as well as the application level of BIM technology. It thereby encourages the comprehensive application of new technologies such as virtual reality, 3D printing, intelligent robots, big data analysis and the Internet of Things, as well as the interdisciplinary/multi-disciplinary collaboration and industry-university-research cooperation. The competition will give full play to the innovation potential of college students and improve their understanding of industrial architecture. Exceptional works will provide reference for the development of housing industrialization and building industrialization in China.

本届竞赛以“装配式混凝土建筑的数字设计与智能建造”为主题，采用方案本册、视频动画与实物展示相结合的作品呈现方式，重点考察作品在建筑、结构、机电、建造与运维管理等方面的创新，以及BIM技术运用水平，鼓励虚拟现实、3D打印、智能机器人、大数据分析、物联网等新技术的综合运用，鼓励多学科交叉/多专业协同，鼓励产学研合作。竞赛充分发挥在校大学生创新潜质，提升学生对工业化建筑的认识水平，优秀作品将为我国住宅产业化、建筑工业化的发展提供参考。

Produced by: International Office, SCUT

Advisor: Dr. Li Weiqing, Vice President

Chief Editor: Yao Min, Director, International Office

Deputy Chief Editor: Huang Fei, Deputy Director, International Office

Copy Editors: Chen Wei, Zhang Jihong

Proofreader: Paul Winning

Designer: JOYO Advertising

Issue Date : September , 2021

制作：华南理工大学国际交流与合作处

顾问：李卫青 华南理工大学副校长

主编：姚旻 国际交流与合作处处长

副主编：黄非 国际交流与合作处副处长

执行编辑：陈薇 张继红

校对：Paul Winning

设计：玖悠广告

发布时间：2021年9月

