

# 东南大学-伯明翰大学生物医学大数据专题研讨会

## SEU-UOB Biomedical Big Data Workshop

5月26日 东南大学榴园宾馆东大厅

25<sup>th</sup> – 26<sup>th</sup> May, Dongda Hall, Liuyuan Hotel of Southeast University

时间 Time	内容 Event	
25 <sup>th</sup> 14:00–17:00	生医学院赵祥伟副院长带领伯大教授参观江北国家健康医疗大数据中心 Visit Jiangbei National Healthy Medical Big Data Centre	
26 <sup>th</sup> 09:00–12:30 主持 孙钰教授 Hosted by Prof. Yu Sun	国家生物电子重点实验室介绍 Introduction of Key Laboratory of Molecular and Biomolecular Electronics	陆祖宏教授 Prof. Zuhong Lu
	伯明翰大学生物计算大数据中心和项目介绍 Introduction of Centre for Computational Biology 英国国家大数据研究院-图灵研究院介绍 Introduction of The Alan Turing Institute	乔·拜普特斯教授 Prof. Jean-Baptiste Cazier 佐治·古托斯教授 Prof. Georgios V. Gkoutos
	质谱大数据中心建设 Construction of Mass Spectrometry Big Data Centre	陶纬国教授 Prof. Andy Tao
	国家健康大数据中心和百万人测序项目介绍 Introduction of National Health Big Data Centre and Sequencing Project for Millions of People	顾万君研究员 Research Fellow Wanjun Gu
	上海联影公司简介以及高端磁共振和分子影像科研产品介绍 Introduction to UIH and high-end research product of MRI and MI	贺强博士 Dr. Qiang He (CEO) 上海联影医疗科技有限公司 磁共振事业部研发副总裁 R&D Vice president of MR business unit of Shanghai United Imaging Healthcare, Co. Ltd.
	人工智能：赋能影像，超越影像 Advanced AI of Medical Imaging	詹翊强博士 Dr. Yiqiang Zhan (COO) 上海联影智能医疗科技有限公司首席运营官 Chief Operating Officer of United Imaging Intelligence,

		Inc, Adjunct professor in Shanghai Jiao Tong University
26 <sup>th</sup> 12:30–13:30	午餐与休息时间 Lunch time and rest	
26 <sup>th</sup> 13:30–15:00	自由讨论 Open discussion	

## 参加人员：

Jean-Baptiste Cazier、Georgios V. Gkoutos、陆祖宏、陶纬国、万遂人、孙啸、顾万君、孙钰、贺强、詹翊强、白云飞、周光泉  
东南大学本科、研究生、博士生

## SEU-UOB Big data-workshop 参会者介绍 Introduction of the Attendances



乔·拜普特斯教授

**Professor Jean-Baptiste Cazier**

癌症与基因科学研究院

生物信息教授

计算生物学中心主任

Institute of Cancer and Genomic Sciences

Chair of Bioinformatics

Director of the Centre for Computational Biology

乔·拜普特斯教授是从事医学现象和计算科学的跨学科模拟与研究的生物信息学教授，伯明翰大学生物医学大数据项目的总负责人，英国最高级别的国家大数据和人工智能研究院-图灵研究院的VIP项目负责人。

他的研究方向主要有以下三个领域：癌症遗传学、群体遗传学、群集和代谢组学。拜普特斯教授与 2014 年加入伯明翰大学，担任生物信息学首席科学家并创建了计算生物学中心。这是伯明翰大学的科研重点，旨在促进计算生物学，系统生物学和生物信息学的融合，在大学和医疗保健领域建立基础科学和应用科学的桥梁。

Jean-Baptiste Cazier is a Professor of Bioinformatics with interest across the broad spectrum of Computational and Mathematical modelling of natural phenomena and Director of the Centre for Computational Biology.

His main research interests include: Cancer Genetics, Population Genetics, Swarming and Metabonomics. His life-long goal is to integrate all his eclectic, and ever expanding, fields of interest.



佐治·古托斯教授

**Professor Georgios V. Gkoutos**

癌症与基因科学研究院

临床生物信息学主任

Institute of Cancer and Genomic Sciences

Chair of Clinical Bioinformatics

佐治·古托斯教授是临床生物信息学教授，致力于临床与生物医学信息学、计算生物学、整合和转化研究，旨在发现人类疾病的分子起源、新诊断技术和干预方法。

古托斯教授的研究涉及的方法来自与系统生物学、生物医学知识形式化、标准化和表示、大数据整合和分析、比较基因组学、化学和临床信息学。应用的主要领域包括语义表示、整合和分析大数据，使数据能够跨物种、域和粒度水平进行传达，并应用于人类疾病的病理生理学、病理生物学和药物组学的研究。

George Gkoutos is a Professor of Clinical Bioinformatics with interests in the general areas of clinical and biomedical informatics, computational biology, and integrative and translational research aiming at the discovery of molecular origins of human disease and the development of novel diagnostic and intervention strategies.



詹翊强博士

**Dr. Yiqiang Zhan**

联影智能科技有限公司首席运行管

上海交通大学特别研究员

Chief Operating Officer of United Imaging Intelligence, Inc.,

Adjunct professor in Shanghai Jiao Tong University

詹翊强博士现任联影智能科技有限公司首席运营官，兼任上海交通大学特别研究员。他于 2007 年在美国约翰霍普金斯大学获得博士学位。之后，詹博士加入西门子医疗（美国）。他曾经担任西门子医疗（美国）软件部创新组负责人，并且是西门子的高级核心专家。詹博士已在医学人工智能方面的顶级杂志和会议上（如 IEEE TMI, Medical Image Analysis, MICCAI, IPMI, CVPR 等）发表了 72 篇论文，被引用了 2000 多次。詹博士拥有 19 项美国专利并有 45 项发布待审专利。他为多个顶级杂志评审论文并多次组织国际学术 workshop。

Dr. Yiqiang Zhan is the Chief Operating Officer of United Imaging Intelligence, Inc., and an adjunct professor in Shanghai Jiao Tong University. Dr. Zhan received PhD in computer science from Johns Hopkins University and joined Siemens Medical Solutions USA in 2007. He was a senior key expert and led the innovation team in Siemens Healthcare USA. Dr. Zhan has published 72 papers in top journals and conferences, e.g., IEEE Transactions on Medical

Imaging, Medical Image Analysis, MICCAI, IPMI, CVPR, etc. His work has been cited 2000+ times. Dr. Zhan has 19 US granted patents and another 45 pending for approval. He is a regular reviewer of top tier journals and has organized multiple academic workshops.



贺强博士

Dr. Qiang He

上海联影医疗科技有限公司磁共振事业部研发副总裁

R&D Vice president of MR business unit of Shanghai United Imaging Healthcare, Co. Ltd.

贺强博士，毕业于上海同济大学生物工程专业。现任上海联影医疗科技有限公司磁共振事业部研发副总裁，兼任对外合作负责人。他长期从事磁共振产品研发，拥有国内外专利 20 余篇，领导科技部十二五重大专项 3.0T MRI 和十三五重大专项 PET/MR 的系统及应用相关研发工作。他在 MR 和 PET/MR 系统定义、系统设计开发、系统集成、磁共振安全研究及相关实现以及神经系统和肌骨关节应用开发方面具有丰富经验。

Dr. Qiang He is the R&D Vice President and Research Collaboration Director of the MR business unit of the United Imaging Healthcare Co., Ltd. He received PhD degree in Biomedical Engineering from Shanghai Tongji University. He has long been committed to the Magnetic Resonance technology research and development with over 20 invention patents. He leads Key Projects, such as research and development of the core components and systems of 3.0T MRI and PET/MR, in the National Science & Technology Pillar Program during both the 12<sup>th</sup> Five-Year Plan Period and the 13<sup>th</sup> Five-Year Plan Period. Dr. He has a solid understanding of system definition, design, R&D, integration and safety of MRI and PET/MR and development of clinical application of neurology and musculoskeletal.