

檔 號：

保存年限：

臺北醫學大學 函

地址：11031臺北市信義區吳興街250號
聯絡人：健康資訊科技國際研究中心 王郁寧

電子信箱：yuningwang@tmu.edu.tw
聯絡電話：(02)66382736轉1559
傳真電話：(02)66380233

受文者：仁愛醫療財團法人大里仁愛醫院

發文日期：中華民國107年11月26日

發文字號：北醫校教字第1070004393號

速別：普通件

密等及解密條件或保密期限：

附件：一：活動議程、二：講者資訊(1071204290_1_AGENDA IBM WFO x TMU_Dec052018.pdf、1071204290_2_SPEAKER INFO IBMxTMU.docx)

主旨：敬邀貴院參加IBMx臺北醫學大學聯合研討會「新世代癌症治療AI大解密IBM Watson for Oncology」，請查照。

說明：

- 一、臺北醫學大學健康資訊科技國際研究中心(本中心)訂於一百零七年十二月五日(週三)於臺北醫學大學大安校區B2舉辦IBM與臺北醫學大學聯合研討會「新世代癌症治療AI大解密-IBM Watson for Oncology」，敬邀貴院參加。
- 二、「新世代癌症治療AI大解密IBM Watson for Oncology」之演講，歡迎自由報名，詳情請見公開報名網址：<https://www.accupass.com/go/IBMTMUWatsonOncology>。
- 三、IBM Watson for Oncology為一個結合腫瘤醫生在癌症照顧方面的深入專門知識與IBM Watson的速度，以協助臨床醫生考量病患的個人化癌症治療之人工智慧。主要領導研究醫學中心位於美國Memorial Sloan Kettering Cancer Center，臺北市立萬芳醫院為台灣唯一引進該項人工智慧

電子收文

收文

2018-11-26

16



癌症治療技術之醫院。

四、本校醫學科技院李友專院長以IBM Watson for Oncology 為主題，特別邀請IBM Watson Health 總負責人、研究負責人、人工智慧及癌症治療先驅Ted Shortliffe與Vimla Patel夫婦及萬芳醫院Watson for Oncology負責人陳俊佑醫療資訊長，一同討論與分享AI於癌症治療上之應用與未來發展及挑戰。望透過台灣首場IBM Watson for Oncology論壇能與各大醫院、醫學中心及各界人士一同在癌症治療上共同努力。

五、詳細議程請見附件一，講者介紹請見附件二。

正本：國立陽明大學附設醫院、財團法人天主教靈醫會羅東聖母醫院、醫療財團法人羅許基金會羅東博愛醫院、衛生福利部基隆醫院、長庚醫療財團法人基隆長庚紀念醫院及其情人湖院區、臺北市立聯合醫院、三軍總醫院松山分院附設民眾診療服務處、三軍總醫院附設民眾診療服務處及其汀州院區、臺北榮民總醫院、長庚醫療財團法人台北長庚紀念醫院、長庚醫療財團法人林口長庚紀念醫院、基督復臨安息日會醫療財團法人臺安醫院、國泰醫療財團法人國泰綜合醫院、國泰醫療財團法人汐止國泰綜合醫院、台灣基督長老教會馬偕醫療財團法人馬偕紀念醫院、台灣基督長老教會馬偕醫療財團法人淡水馬偕紀念醫院、新光醫療財團法人新光吳火獅紀念醫院、振興醫療財團法人振興醫院、醫療財團法人辜公亮基金會和信治癌中心醫院、臺北醫學大學附設醫院、臺北市立萬芳醫院一委託財團法人臺北醫學大學辦理、新北市立聯合醫院及其板橋院區、衛生福利部臺北醫院、醫療財團法人徐元智先生醫藥基金會亞東紀念醫院、佛教慈濟醫療財團法人台北慈濟醫院、行天宮醫療志業醫療財團法人恩主公醫院、天主教耕莘醫療財團法人耕莘醫院、衛生福利部雙和醫院（委託臺北醫學大學興建經營）、衛生福利部桃園醫院、國軍桃園總醫院附設民眾診療服務處、臺北榮民總醫院桃園分院、天成醫療社團法人天晟醫院、沙爾德聖保祿修女會醫療財團法人聖保祿醫院、敏盛綜合醫院及其三民院區、壠新醫院、國立臺灣大學醫學院附設醫院新竹分院、東元綜合醫院、衛生福利部苗栗醫院、為恭醫療財團法人為恭紀念醫院及其東興院區、衛生福利部臺中醫院、衛生福利部豐原醫院、國軍臺中總醫院附設民眾診療服務處、臺中榮民總醫院、林新醫療社團法人林新醫院、李綜合醫療社團法人大甲李綜合醫院、光田醫療社團法人光田綜合醫院及其大甲院區、童綜合醫療社團法人童綜合醫院及其沙鹿院區、佛教慈濟醫療財團法人台中慈濟醫院、仁愛醫療財團法人大里仁愛醫院、中山醫學大學附設醫院、中國醫藥大學附設醫院、澄清綜合醫院、澄清綜合醫院中港分院、衛生福利部彰化醫院、秀傳醫療社團法人秀傳紀念醫院、彰化基督教醫療財團法人彰化基督教醫院及其中華路院區、秀傳醫療財團法人彰濱秀傳紀念醫院、埔基醫療財團法人埔里基督教醫院、國立臺灣大學醫學院附設醫院雲林分院及其虎尾院區、天主教若瑟醫療財團法人若瑟醫院、彰化基督教醫療財團法人雲林基督教醫院、中國醫藥大學北港附設醫院、臺中榮民總醫院

裝



訂



線

嘉義分院、戴德森醫療財團法人嘉義基督教醫院、天主教中華聖母修女會醫療財團法人天主教聖馬爾定醫院及其民權院區、長庚醫療財團法人嘉義長庚紀念醫院、佛教慈濟醫療財團法人大林慈濟醫院、衛生福利部臺南醫院、台南市立醫院(委託秀傳醫療社團法人經營)、國立成功大學醫學院附設醫院、台灣基督長老教會新樓醫療財團法人麻豆新樓醫院、台灣基督長老教會新樓醫療財團法人台南新樓醫院、奇美醫療財團法人柳營奇美醫院、臺南市立安南醫院-委託中國醫藥大學興建經營、台南市郭綜合醫院、奇美醫療財團法人奇美醫院、奇美醫療財團法人奇美醫院台南分院、高雄市立聯合醫院、高雄市立大同醫院(委託財團法人私立高雄醫學大學附設中和紀念醫院經營)、國軍高雄總醫院左營分院附設民眾診療服務處、國軍高雄總醫院附設民眾診療服務處、高雄榮民總醫院、阮綜合醫療社團法人阮綜合醫院、高雄市立小港醫院(委託財團法人私立高雄醫學大學經營)、長庚醫療財團法人高雄長庚紀念醫院、義大醫療財團法人義大醫院、財團法人私立高雄醫學大學附設中和紀念醫院、衛生福利部屏東醫院、寶建醫療社團法人寶建醫院、安泰醫療社團法人安泰醫院、屏基醫療財團法人屏東基督教醫院及其瑞光院區、輔英科技大學附設醫院、台灣基督長老教會馬偕醫療財團法人台東馬偕紀念醫院、國軍花蓮總醫院附設民眾診療服務處、佛教慈濟醫療財團法人花蓮慈濟醫院、臺灣基督教門諾會醫療財團法人門諾醫院、台灣基督長老教會馬偕醫療財團法人新竹馬偕紀念醫院、國立臺灣大學醫學院附設醫院

副本：

2018-12-26
交14換:30章

校 長 林建煌 出國

副校長 吳介信 代行

The Opportunities and Challenges of Therapeutic AI - IBM Watson for Oncology

新世代癌症治療 AI 大解密 IBM Watson for Oncology

IBM Watson Health X Taipei Medical University

December 5th 8:30~12:00

Taipei Medical University

Daan Campus, 2nd Basement Floor

Start	End		Topic	Host
08:30 ~ 09:00	00:30		Registration	
09:00 ~ 09:10	00:10		Opening Remarks <ul style="list-style-type: none"> • CHIEN-HUANG LIN, PhD President, Taipei Medical University • YUN YEN, MD, PhD, FACP Chair Professor of the Ph.D. Program for Cancer Biology and Drug Discovery, Taipei Medical University • YU CHUAN (JACK) LI, MD, PhD, FACMI Distinguished Professor and Dean, College of Medical Science and Technology, Taipei Medical University 	Shabbir Syed-Abdul , MD, PhD Associate Professor, College of Medical Science and Technology, Taipei Medical University
09:10 ~ 09:40	00:30		Predicting and Inventing a New Era of Health with Artificial Intelligence <p>KYU RHEE, MD, MPP Vice President, Chief Health Officer, IBM Corporation, IBM Watson Health</p>	YUN YEN , MD, PhD, FACP Chair Professor of the Ph.D. Program for Cancer Biology and Drug Discovery, Taipei Medical University
09:40 ~ 10:00	00:20		Clinical Decision Support in the Era of Artificial Intelligence (Online) <p>EDWARD H. (TED) SHORTLIFFE, MD, PhD Adjunct Professor of Biomedical Informatics, Columbia University</p>	YU CHUAN (JACK) LI , MD, PhD, FACMI Distinguished Professor and Dean, College of Medical Science and Technology, Taipei Medical University

Start	End		Topic	Host
10:00 ~ 10:20	00:20		Human Intelligence in Clinical Human-Computer Interaction (Online) VIMLA PATEL , PhD Professor, Department of Biomedical Informatics, Arizona State University	YU CHUAN (JACK) LI , MD, PhD, FACMI Distinguished Professor and Dean, College of Medical Science and Technology, Taipei Medical University
10:20 ~ 10:35	00:15		Break	
10:35 ~ 11:05	00:30		Developing a Framework for Evaluating AI Applications in Healthcare GRETCHEN JACKSON , MD, PhD Vice President and Director, Evaluation Research Center, IBM Watson Health	Shabbir Syed-Abdul , MD, PhD Associate Professor, College of Medical Science and Technology, Taipei Medical University
11:05 ~ 11:35	00:30		Evaluation of Watson for Oncology as a member of the Tumor board CHUN-YOU (JIM) CHEN , MD Chief Medical Information Officer, Taipei Municipal Wanfang Hospital	Sophie Chien Vice Superintendent, Taipei Municipal Wanfang Hospital
11:35 ~ 11:45	00:10		Quantum Computing in Medicine	KYU RHEE , MD, MPP Vice President, Chief Health Officer, IBM Corporation, IBM Watson Health
11:45 ~ 11:50	00:05		Group Photo	
11:50 ~ 11:55	00:05		Closing Remarks • Shabbir Syed-Abdul , MD, PhD	

Start	End		Topic	Host
		<p>Assistant Professor, College of Medical Science and Technology, Taipei Medical University</p> <ul style="list-style-type: none"> • YU CHUAN (JACK) LI, MD, PhD, FACMI Distinguished Professor and Dean, College of Medical Science and Technology, Taipei Medical University 		



KYU RHEE, MD, MPP

Vice President, Chief Health Officer, IBM Corporation, IBM Watson Health

Full biography

Dr. Rhee serves as Chief Health Officer of IBM, where he has global responsibilities for Watson Health and assuring a Culture of Health at IBM. Prior to joining IBM, Dr. Rhee was Chief Public Health Officer at the Health Resources and Services Administration (HRSA), which is the primary federal agency for improving access to health care services for people who are uninsured, isolated, or medically vulnerable. While at HRSA, he served on and led numerous national initiatives related to prevention, quality, and public health. Dr. Rhee also served as the Director of the Office of Innovation and Program Coordination at the National Institutes of Health (NIH), which is the primary federal agency for research. While at NIH, he served on and led numerous initiatives related to eliminating health disparities and promoting health equity. Prior to his federal government service, he worked in community health settings as the Chief Medical Officer of Baltimore Medical System Inc., the largest network of Federally Qualified Health Centers in Maryland. In addition, Dr. Rhee served five years as a National Health Service Corps Scholar and Medical Director at Upper Cardozo Health Center, the largest community health center in Washington, DC. During that time, he taught at the George Washington University School of Public Health, where he received a “Best Teacher” award for his class in Community Health Leadership.

Dr. Rhee was a Chief Resident and performed his medical residency training in both internal medicine and pediatrics at Cedars-Sinai Medical Center in Los Angeles. He obtained his medical degree from the University of Southern California. Dr. Rhee also holds a master's degree in public policy from the John F. Kennedy School of Government, Harvard University with a concentration in Health Care Policy. He acquired his Bachelor in Science degree from Yale University in Molecular Biophysics and Biochemistry, where he also served as President of the study body.

In addition to his service on various public and private sector committees and boards, including those sponsored by the Institute of Medicine, Agency for Healthcare Research and Quality, the Robert Wood Johnson Foundation, the Clinton Foundation, the National Quality Forum, and the National Business Group on Health, Dr. Rhee speaks frequently and has published in numerous peer-reviewed journals, including *American Family Physician*, *Pediatric Annals*, *Journal of Health Care for the Poor and Underserved*, and the *American Journal of Public Health*.



EDWARD H. (TED) SHORTLIFFE, MD, PhD

Adjunct Professor of Biomedical Informatics, Columbia University

Full biography

Edward H. Shortliffe is Professor of Biomedical Informatics and Senior Advisor to the Dean in the College of Health Solutions at Arizona State University (35% time, 2012-present). Based in New York City, he is also an Adjunct Professor of Biomedical Informatics at Columbia University's College of Physicians and Surgeons and an Adjunct Professor of Healthcare Policy and Research (Health Informatics) at Weill Cornell Medical College. Previously he served from July 2009 through March 2012 as President and Chief Executive Officer of the American Medical Informatics Association (AMIA), headquartered in Bethesda, MD. From November 2009 until October 2011 he held a position as Professor in the School of Biomedical Informatics at the University of Texas in Houston. Between 2007 and 2009 he was Professor of Biomedical Informatics at Arizona State University, Professor of Basic Medical Sciences, and Professor of Medicine at the University of Arizona College of Medicine. He served as the founding dean of the Phoenix campus of the University of Arizona's College of Medicine from 2007-2008. Before that he was the Rolf A. Scholdager Professor and Chair of the Department of Biomedical Informatics at Columbia College of Physicians and Surgeons (2000-2007) and Professor of Medicine and of Computer Science at Stanford University (1979-2000).

After receiving an A.B. in Applied Mathematics from Harvard College (1970), he moved to Stanford University where he was awarded a Ph.D. in Medical Information Sciences (1975) and an M.D. (1976). He was principal developer of the medical expert system known as MYCIN (1973-1975). After internal medicine training at Massachusetts General Hospital and Stanford Hospital between (1976-1979), he joined the Stanford faculty

Specialties: medical education, biomedical informatics, clinical decision support systems, role of the Internet in health and health care, Federal health IT policy



VIMLA PATEL, PhD

Professor, Department of Biomedical Informatics, Arizona State University

Bio:

Dr. Patel is a Senior Research Scientist and Director of the Center for Cognitive Studies in Medicine and Public Health at the New York Academy of Medicine.

She holds a BSc in Biochemistry from Otago University in New Zealand and a MA and Ph.D. in Educational and Cognitive Psychology (Medical Cognition) from McGill University in Montreal. As Professor of Medicine and the director of Cognitive Science Center at McGill, her early research focused on scientific foundations for medical and health education, particularly in cognitive foundations of medical decision-making. Subsequently, she expanded these research activities with an informatics focus at Columbia and Arizona State Universities as well as at University of Texas-Houston, where she was appointed as professor in their departments of Biomedical Informatics with joint or adjunct appointments in the NY Institute of Mental Health (Columbia), Department of Psychology (ASU) and School of Psychiatry and Behavioral Health Science (UTH). This allowed her to explore the relationship between Cognitive, behavioral and information sciences in the biomedical domain.

An elected fellow of the Royal Society of Canada (Academy of Social Sciences), the American College of Medical Informatics, and the New York Academy of Medicine, she was a recipient of the annual Swedish "Woman of Science" award in 1999. She received an Honorary Doctor of Science degree from the University of Victoria in 1998, in recognition of her contributions through cognitive studies in the domain of health informatics. She is an associate editor of the Journal of Biomedical Informatics and sits on the editorial boards of Artificial Intelligence in Medicine and Advances in Health Science Education. She is a past assistant editor of Artificial Intelligence in Medicine and has served on the editorial boards of Medical Decision Making, the Journal of Experimental Psychology, Topics in Cognitive Science and Computers in Biology and Medicine.

In her 28-year career dedicated to academic research and education, Dr. Patel spent the first 18 on research related to cognitive mechanisms underlying human performance in health care and in medical decision-making. The last decade has still been spent working on human cognition in health care, addressing issues of cognition in biomedical informatics (human-computer interaction, cognitive design, decision support, distributed cognition, and team decision making, especially in critical care settings). After moving to the US in 2000, she became the principal investigator on two R01 awards both of which focused on cognitive decision making and errors, one in critical care setting (NLM) and another with young adults's™ sexual risk taking behaviors (NIMH). With awards from Science Foundation Arizona and the Office of National Coordinators (ONC) in Washington, she forged to build a closer tie between cognitive psychological principles and health information technology. She just completed very successful

a major 5-year James S. McDonnell Foundation research project on Complexity and Error in Health Care and is a most recent recipient of another R01 from AHRQ related to Impact of Meaningful Use on Clinical Workflow in Emergency Departments. She has mentored 34 master's students, 23 doctoral students, and 20 post-doctoral and research fellows in her 28-year career. She has over 300 scholarly publications spanning biomedical Informatics, education, clinical, and cognitive science journals and an editor of six books.



GRETCHEN JACKSON, MD, PhD

Vice President and Director, Evaluation Research Center, IBM Watson Health

Patient Care Emphasis

General pediatric surgery, laparoscopic surgery, with a strong interest in both fetal and neonatal surgical technique.

Education

- Ph.D., Medical Information Sciences, Stanford University, 1997
- M.D., Stanford University, 1996
- B.A., Electrical Engineering and Biological Sciences, Stanford University

Postgraduate Training

- Chief Resident, General Surgery, Duke University Medical Center, Durham, NC Fellowships, 2003-04
- Fellow, Pediatric Surgery, Children's Hospital of Pittsburgh, Pittsburgh, PA, 2004-06

Bio

Gretchen Purcell Jackson is an Associate Professor of Surgery, Pediatrics, and Biomedical Informatics at the Vanderbilt University Medical Center. Dr. Jackson is an actively practicing pediatric surgeon and internationally recognized informatics professional with over 25 years of contributions to surgical science, informatics research, and innovations in health information technologies. Her current research is focused on empowering patients and families through health information technologies. She is the research director of the MyHealthatVanderbilt patient portal, and her work explores the use of and disparities created by such technologies. She is the principal investigator for two large cross-sectional and longitudinal studies about the information needs of pregnant women and their caregivers, funded by the Agency for Health Research and Quality.



CHUN-YOU (JIM) CHEN, MD

Chief Medical Information Officer, Taipei Municipal Wanfang Hospital

Current Positions

- Attending Physician ---Dep. of Radiation Oncology, Wanfang Hospital, Taiwan
- Chief Medical Information Officer ---Wanfang Hospital, Taiwan
- Project Director ---Clinical adoption and EMR system integration of Watson for Oncology, Taipei Cancer Center, Taipei Medical University

Fields of Expertise

- Hospital information system
- Clinical Decision Support Systems
- Data Analysis

BIO

Dr. Chun-You (Jim) Chen is a radiation oncologist and also a full-stack developer. He is a self-taught programmer and has more than 15 years' experience of developing applications including frontend and backend. After graduating from medical school of TMU, he started to work as a clinician in Wanfang Hospital since 2011. During his residentship, a popular healthcare information system with decision support functions was developed by him. He currently serves as the Chief Medical Information Officer of Wanfang Hospital since 2016. He is also in charge of clinical adoption and EMR system integration of Watson for Oncology in Taipei Cancer Center of Taipei Medical University.