

Grand Challenges on HIV Cure and Vaccine

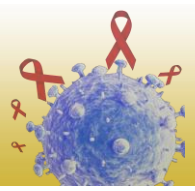
30 Nov - 1 Dec 2017, World AIDS Day



In celebration of 10th Anniversary of
**AIDS Institute of The University of Hong Kong &
Comprehensive AIDS Research Center of Tsinghua University**



130 YEARS OF
MEDICINE
IN HONG KONG



Grand Challenges on HIV Cure and Vaccine



Message from Professor Sophia S CHAN

Secretary for Food and Health,

The Government of the Hong Kong SAR



中華人民共和國香港特別行政區政府總部食物及衛生局
Food and Health Bureau, Government Secretariat
The Government of the Hong Kong Special Administrative Region
The People's Republic of China

I extend my warmest congratulations to the joint celebration of the 10th anniversary of AIDS Institute of Li Ka Shing Faculty of Medicine of The University of Hong Kong and Comprehensive AIDS Research Center of School of Medicine Tsinghua University in Hong Kong. I would like to applaud all colleagues of these two institutions for their commitment, leadership and important scientific achievements in the fight against HIV/AIDS.

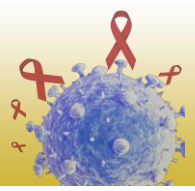
The Government of the Hong Kong Special Administrative Region is fully committed to support efforts in HIV education, early diagnosis, preventive interventions, antiretroviral treatment and academic research. I strongly believe that the celebration symposium "Grand Challenges on HIV Cure and Vaccine" will open a new path to promote regional networking and collaborations among AIDS researchers, which is important for finding a solution of ending HIV/AIDS.

I am very pleased to learn that some innovative HIV vaccines made by the HKU and Tsinghua AIDS research teams will enter clinical studies soon. Using this opportunity, I sincerely wish that your clinical trials would be successful and soon benefit our HIV patients. UNAIDS launches 2017 World AIDS Day campaign — *My Health, My Right*, to which we share the common goal of improving people's health.

I wish your celebration symposium a great success, and participants a pleasant stay in Hong Kong.



Prof. Sophia Siu Chee CHAN
Secretary for Food and Health



Grand Challenges on HIV Cure and Vaccine



Message from Professor David D HO

Director and CEO,

Irene Diamond Professor of The Rockefeller University



The Aaron Diamond AIDS Research Center
Affiliate of The Rockefeller University

David D. Ho, M.D.
Director & CEO
Irene Diamond Professor
The Rockefeller University

22 November 2017

455 First Avenue
New York, NY 10016

Professor Zhiwei Chen
Director, AIDS Institute, University of Hong Kong
Professor Linqi Zhang
Director, Comprehensive AIDS Research Center, Tsinghua University

212 448 5100 tel
212 725 1126 fax
dho@adarc.org email
www.adarc.org

Dear Zhiwei and Linqi:

Let me take this opportunity to express my joy and pride on the occasion of your symposium to commemorate the 10th Anniversary of your two AIDS research institutes. Having played a role as a catalyst at the start, I am particularly proud of how you have developed these institutions into ones with distinction. Congratulations!

I am also impressed with how you have served as the nidus to assemble a collection of outstanding investigators for this special occasion, including other alumni of the Aaron Diamond AIDS Research Center like Xia Jin and Fujie Zhang. Most importantly, it is abundantly clear that all of you, working in concert, are now well poised to make impactful contributions to the fight against HIV/AIDS in China. This thought warms my heart, particularly as I think back to about 15-20 years ago when we toured the country realizing there was grossly inadequate local expertise in China back then to address the burgeoning epidemic. How things have changed for the better!

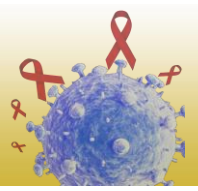
Finally, let me wish all of you a most successful and productive symposium. I sincerely regret that I could not be there to learn, and to celebrate with you.

Best wishes,



David D. Ho, M.D.





Grand Challenges on HIV Cure and Vaccine



Message from Professor Yigong SHI

Vice President, Tsinghua University

清华大学

贺 信

尊敬的何大一教授、陈志伟教授、张林琦教授：

首先，请允许我对清华大学艾滋病综合研究中心和香港大学艾滋病研究所成立十周年致以最热烈的祝贺。

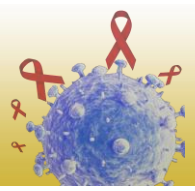
时光荏苒，稍纵即逝。十年前，也是我从普林斯顿大学回到清华大学的第一年。我还清晰地记得当时与大一、林琦一起，在火热的人才引进和学科建设过程中，多次讨论如何构建和发展清华大学艾滋病综合研究中心，以及传染病和微生物学科。虽然那时医学科学楼还是空荡荡的，说话还有些共鸣，但我们的激情与憧憬，早已赋予这些空间全新的意义和发展的契机，奠定了今天成就的坚实基础。十年走来，在大一和林琦的领导和全力推动下，清华大学艾滋病综合研究中心在科研、教学、人才培养和社会影响力等多方面取得了突出的成绩，成为我国在艾滋病研究领域不可多得的中坚力量。特别是在艾滋病疫苗和治愈研究方面，建立了包括香港大学、中国医科大学、首都医科大学、吉林大学、中国科学院、中国医学科学院和美国国立卫生研究院等机构的高水平研究团队，正在全力推进临床前与临床研究，力争率先突破，攻克这困扰世界的尖端难题。回顾十年，我还欣慰地看到清华大学在传染病和微生物学科方向上跨越式发展。我们已经建成包括十几位年富力强的教研系列教授的研究团队，活跃在病毒学、细菌学、免疫学、结构生物学以及药物和疫苗研发等多领域，取得了国际领先水平的科研成果，同时推动这些成果的转化与应用，进一步扩大清华在全球公共健康领域的影响力和领导力。

展望未来，我们更加有激情和信心。衷心希望清华大学和香港大学艾滋病研究团队精诚合作、勇于创新、敢于失败，早日研发成功艾滋疫苗和根治艾滋病，无愧于时代和人民的重托与期望。

最后，预祝这次十周年庆祝活动和国际学术会议取得圆满成功！



施一公



Grand Challenges on HIV Cure and Vaccine



Message from

Professor Gabriel M LEUNG

Dean, Li Ka Shing Faculty of Medicine, HKU



**Grand Challenges on HIV Cure and Vaccine
In Celebration of 10th Anniversary of
AIDS Institute of The University of Hong Kong and
Comprehensive AIDS Research Center of Tsinghua University**

**Congratulatory Message from
Professor Gabriel M. Leung
Dean of Medicine, The University of Hong Kong**

Today's event marks several milestones – World AIDS Day, the 10th anniversaries of the AIDS Institute of HKU and the Comprehensive AIDS Research Center of Tsinghua University, and the 130th anniversary of HKU's Li Ka Shing Faculty of Medicine. Milestones help us to mark progress but at the same time, they urge us to look forward at the work that is still to be done.

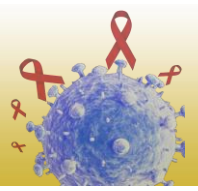
Our AIDS Institute has done a wonderful job serving the community and science through basic and applied research that has facilitated the understanding of the AIDS pathogenesis and led to the development of effective AIDS vaccines. Some outstanding examples of its research include a vaccinia Tiantan-based mucosal vaccine, a PD1-based immunotherapeutic vaccine, a bi-specific neutralizing antibody and a novel PD1-isoform-based immune pathway. Critically, some of these findings were achieved through close collaboration with the Tsinghua AIDS Center. Colleagues in both institutions have shown dedication and hard work in exploring and producing better prevention and treatment for the community against HIV/AIDS. I applaud your efforts and look forward to learning about further collaborative achievements.

The nature of today's symposium, "Grand Challenges on HIV Cure and Vaccine", will advance that possibility. With more 30 AIDS experts from China and abroad, it offers not only a great opportunity to share the latest scientific findings in HIV/AIDS research, but also to promote cross-border co-operation and professional networking between the Mainland and Hong Kong. I am certain this will pave the way for remarkable breakthroughs in HIV/AIDS research, technologies and applications.

On this day of milestones and anniversaries, I hope that today will be a fruitful one for HIV/AIDS researchers, and that all participants will enjoy a pleasant stay in Hong Kong.



Gabriel M. Leung
Dean of Medicine



Grand Challenges on HIV Cure and Vaccine



Message from

Professor Chen DONG

Dean, School of Medicine, Tsinghua University



尊敬的陈志伟和张林琦教授，

值此清华大学艾滋病综合研究中心和香港大学艾滋病研究所成立十周年之际，我代表清华大学医学院和我个人向两个研究团队的全体科研人员致以热烈的祝贺和诚挚的问候。

清华大学艾滋病综合研究中心是国内第一所跨学科艾滋病综合研究中心，由清华大学医学院与清华大学新闻与传播学院、清华大学人文社会科学学院联合成立，旨在充分发挥清华的综合优势，加强对艾滋病的自然科学和社会科学的综合研究。自中心成立以来，在张林琦教授的领导下，在艾滋病的流行病学、诊断治疗、致病机理、抗艾滋病药物以及疫苗研发等多方面取得了突出的成绩，同时在艾滋病的社会科学研究方面也取得了丰硕的成果，极大地推动了我国艾滋病研究的综合发展。

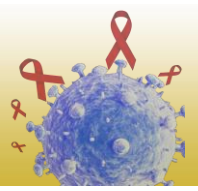
艾滋病综合研究中心的建立，引领和带动了清华大学医学院在传染病和微生物学科等方面的快速发展。聚焦严重影响我国和世界人们健康的传染性疾病和致病微生物，引进了涵盖病毒学、细菌学、免疫学，结构生物学，以及药物和疫苗研发等多领域的年富力强的杰出人才，建立了具有国际领先水平的研究团队。在此基础上，又进一步扩展到全球公共健康的研究和人才培养，促进基础医学与临床应用的转化，加大与发达国家特别是发展中国家的合作力度，对重大公共健康问题做出及时的学科反应，产生了积极的学术影响、政策影响及社会影响，为推动公共健康学科发展和人才培养做出了积极的贡献。

在过去的十年中，清华大学和香港大学艾滋病研究团队在科学研究、人才培养和学科建设等各方面均取得了优异的成绩。我希望两个研究团队在下一个十年继续努力，进一步加强与国际和国内相关单位的协同合作，在艾滋病关键的研究方向率先取得突破，早日研发成功艾滋疫苗和根治艾滋病，造福中国和世界人民。

预祝这次庆祝十周年的国际学术会议取得圆满成功！



董晨
清华大学医学院教授、院长
2017年11月8日星期三于清华园



Grand Challenges on HIV Cure and Vaccine



Message from Professor Fu GAO

Director, Chinese Center for Disease Control and Prevention



中国疾病预防控制中心

CHINESE CENTER FOR DISEASE CONTROL AND PREVENTION

Address: 155 Changbai Road Changping District, Beijing 102260, P.R.China

Website: www.chinacdc.cn Phone: +86 10 58900001, Fax: +86 10 58900002

尊敬的陈志伟教授和张林琦教授:

请允许我代表中国疾病预防控制中心及以我本人的名义,对香港大学艾滋病研究所和清华大学艾滋病综合研究中心成立十周年致以最热烈的祝贺!

十年前,我有幸参加了你们的成立庆典,依然清晰记得香港大学和清华大学对抗击艾滋病所做出的庄重承诺。时间荏苒,十年来我目睹了你们在艾滋病科学研究、公众预防教育、专业人员培训、政府顾问咨询、国际交流、院校教学、乃至艾滋病孤儿救助等方面所做的大量工作,已经成为我国乃至全球艾滋病研究领域的一股核心力量,引领着领域发展,可喜可贺!

你们在庆祝十周年之时,仍能“不忘初心,牢记使命”,组织国内外三十多位艾滋病专家、教授集思广益,研讨艾滋病疫苗与根治的核心问题,推动学科和部门间的广泛合作,为国家防治艾滋病而献计献策。虽然我不能参加此次研讨会,但非常期待你们的意见和建议,共同谋划艾滋病防治新策略。

欲穷千里目、更上一层楼,我衷心希望你们能够加速促进科研成果向艾滋病大众预防与治愈的临床转化,争取在艾滋病疫苗和根治研究中取得突破,并积极与中国疾病预防控制中心密切合作,加强艾滋病以及其他重大、新发传染病的预防控制,为民服务,造福国人,影响世界。

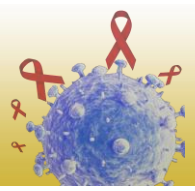
最后,预祝你们两个团队的庆祝活动和学术研讨会取得圆满成功!

高福 

中国疾病预防控制中心主任

中国科学院院士

第三世界科学院院士



Grand Challenges on HIV Cure and Vaccine



Message from Dr. Wong Ka-hing

Controller, Centre for Health Protection



衛生防護中心
Centre for Health Protection

Professor Zhiwei CHEN
Director
AIDS Institute
The University of Hong Kong

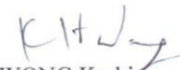
1 December 2017

Dear Prof Chen

I write to congratulate you on organizing a most successful scientific meeting titled *Grand Challenges on HIV Cure and Vaccine* in celebration of the 10th Anniversary of the AIDS Institute of the University of Hong Kong and the Comprehensive AIDS Research Center of the Tsinghua University

HIV/AIDS remains a major public health challenge despite the advent of highly effective treatment and better prevention modalities. Locally, it is exemplified by the daunting epidemic among men who have sex with men. HKU AIDS Institute has been at the forefront of HIV research, pioneering various basic science studies in particular. Furthermore, the Institute is commendable for its keen educational and advocacy efforts for the community over the years.

This Meeting would provide a golden opportunity for the brightest to share their wisdom, the student to learn from the best, and collaborators to exchange ideas. Let's all work together towards the goal of ending HIV/AIDS on this World AIDS Day and the days to come.

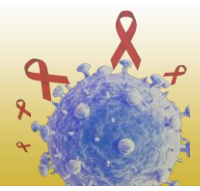


Dr WONG Ka-hing
Controller
Centre for Health Protection
Department of Health



衛生防護中心乃衛生署
轄下執行疾病預防
及控制的專業架構
The Centre for Health
Protection is a
professional arm of the
Department of Health for
disease prevention and
control

We build a healthy Hong Kong and aspire to be an internationally renowned public health authority
我們要建設一個健康的香港 並立志成為國際知名的公共衛生監管機構



Grand Challenges on HIV Cure and Vaccine



Message from

Professor Kwok-Yung YUEN

Henry Fok Professor in Infectious Diseases,

Chair Professor of Department of Microbiology, HKU

Chair of Infectious Diseases:
KY Yuen, JP, SBS
MBBS, MD, FRCS(Glas), FRCPath (UK),
FRCP (Edin& Lond)
Henry Fok Professor in Infectious Diseases



香 港 大 學

THE UNIVERSITY
OF HONG KONG

微 生 物 學 系
DEPARTMENT OF MICROBIOLOGY

Pathology Building
Queen Mary Hospital Compound
Hong Kong

Tel: (852) 2255 4897, 2255 4892
Fax: (852) 2855 1241

I warmly congratulate the celebration of the 10th anniversary of both Comprehensive AIDS Research Center of Tsinghua University and AIDS Institute of The University of Hong Kong. I also warmly congratulate the launching of the “Grand Challenges on HIV Cure and Vaccine” symposium in addressing the toughest scientific challenges in human medical history.

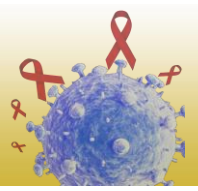
Since 2007, I have the privilege of mentoring the birth, the growth and the maturation of HKU AIDS Institute. And I am extremely delighted to see how much have been accomplished in terms of its performance and academic outputs. Evidently, the original discoveries on modified vaccinia Tiantan-based mucosal vaccine, PD1-based immunotherapeutic vaccine, potent bi-specific neutralizing antibody and anti-inflammatory Δ42PD1-specific antibody have generated not only high impact scientific publications but also a series of HKU patented “Made-in-Hong Kong” biomedical products for combating HIV/AIDS. Amazingly, two of these products have already been licensed to industry partners through HKU Technology Transfer Office for clinical development.

In recent ten years, I am very impressed by the close collaboration between the two celebrating institutions as demonstrated by continuous joint research grants of Mainland’s 11th, 12th and 13th five year HIV/AIDS Mega-Projects, one joint Gates Grand Challenge grant, one joint patent application and numerous joint scientific publications. Besides HIV, the Tsinghua collaborations have been extended into SARS, MERS, Zika and Influenza infections. Some of which are timely collaborations with my own team, such as evaluating human antibody response against SARS-CoV infection and human monoclonal antibody against live MERS-CoV, which was published in Science Translational Medicine in 2014. I, therefore, would like to applaud all the colleagues of these two institutions for your commitment, collaborative spirit and excellent scientific achievements.

In order to promote the exchange of knowledge and ideas as well as collaborative networking, this year’s symposium features over 30 local and oversea principal investigators to brainstorm on key issues of HIV vaccine and cure researches. I would like to offer my sincere thanks to all symposium organizers, speakers, participants and sponsors for your support.

I look forward to the chance of meeting and congratulating many of you personally during the symposium and wish you an enlightening experience in Hong Kong.

Professor KY Yuen
Chair of Infectious Diseases
Department of Microbiology
LKS Faculty of Medicine
The University of Hong Kong



Grand Challenges on HIV Cure and Vaccine



Message from Professor Lei LIU

President, Shenzhen Third People's Hospital

深圳市第三人民医院 SHENZHEN THIRD PEOPLE'S HOSPITAL

地址：深圳市龙岗区布澜路29号 电话 (TEL)：61222333(总机) 传真 (FAX)：61238928

尊敬的陈志伟教授和张林琦教授：

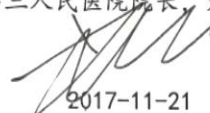
值此香港大学艾滋病研究所和清华大学综合艾滋病研究中心成立十周年之际，我代表深圳市第三人民医院和我个人向你们的研究团队全体人员致以热烈的祝贺和诚挚的问候。

2010年，香港大学与深圳市第三人民医院正式签署科研合作协议，建立香港大学李嘉诚医学院艾滋病研究所深圳研究室。利用两个单位基础临床互补与地理优势，我们在艾滋病的流行病学、诊断治疗、致病机理及疫苗研发等方面都开展了多种形式的合作研究。深圳三院也在双方合作的框架下在艾滋病领域不断前行，其中包括加大了与国际一流研究机构的合作力度，引进了年富力强的人才，促进基础医学的临床转化等等。我们的合作取得了双赢，为深圳三院艾滋病团队逐渐建成国际领先水平的研究团队做出了积极的贡献。

今后，我希望香港大学艾滋病研究所与深圳市第三人民医院这两个团队，借助深圳市政府的“三名工程”项目和国家“十三五”传染病重大专项的机遇，进一步加强协同合作，带动粤港澳大湾区的艾滋病基础与临床研究，加速科研项目的转化，在艾滋病治愈的研究方向上率先取得突破，早日根治艾滋病，为广大的患者造福。

最后，我预祝你们十周年庆祝活动及国际学术会议取得圆满成功！

深圳市第三人民医院院长，刘磊教授


2017-11-21