



The 9th Princess Chulabhorn International Science Congress

**THE CHALLENGES OF ONE HEALTH:
THE ROLES OF BIOSCIENCES AND CHEMISTRY**

Organized by Chulabhorn Research Institute

December 15-18, 2024

Shangri-La Hotel, Bangkok, Thailand

**ANNOUNCEMENT
AND CALL FOR ABSTRACTS**

Abstract Submission Deadline: ***September 15, 2024***



Congress Website - pc9.cri.or.th



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Congress Theme

THE CHALLENGES OF ONE HEALTH: THE ROLES OF BIOSCIENCES AND CHEMISTRY

Chairperson of Organizing Committee:

Professor Dr. HRH Princess Chulabhorn

The Princess Chulabhorn International Science Congress (PC) was initiated by Professor Dr. Her Royal Highness Princess Chulabhorn Mahidol, the youngest sister of His Majesty King Maha Vajiralongkorn Phra Vajiraklaochaoyuhua (King Rama X), to provide a forum for the exchange of the latest information and the most recent advances in research among the international scientific community. Through this program, international congresses on selected topics in science and technology are typically organized every 4 to 5 years, the first congress being held in 1987 on “Natural Products” to celebrate the 60th Birthday Anniversary of His Late Majesty King Bhumibol Adulyadej the Great (King Rama IX). Each congress was attended by some 1,000 scientists from throughout the world, with Plenary Lectures by Nobel Laureate(s) and renowned scientists, Symposia on the current issues of the time, as well as oral and poster presentations to allow more scientists to present their research, promoting communication between participants that fosters research and academic collaboration.

In 2024, the Congress will be held on the theme of One Health at the Shangri-La Hotel, Bangkok, Thailand from December 15-18, **to commemorate the Sixth Cycle (72 years) Birthday Anniversary of His Majesty King Maha Vajiralongkorn Phra Vajiraklaochaoyuhua**, an auspicious occasion for the Thai people to celebrate and pay tribute to His Majesty. This marks a time of national joy and jubilation, which all scientists are invited to share.

Congress Theme

THE CHALLENGES OF ONE HEALTH: THE ROLES OF BIOSCIENCES AND CHEMISTRY

One Health is a concept that is increasingly important in science and emphasizes the close, and often complex, relationship between human health, animal health, and the environment. Presently, this concept is being used to develop new knowledge in an integrated manner that involves multiple disciplines, such as medicine, veterinary science, and public health.

The One Health concept stresses the importance of promoting human health, animal health, and environmental health together, because a problem with one aspect may eventually cause a problem with the others. Thus, environmental factors may lead to the development of diseases both in humans and in animals.

Professor Dr. H.R.H. Princess Chulabhorn Mahidol considers that this is an important issue that should be highlighted for serious discussion and has therefore deemed it a fitting time to organize the 9th Princess Chulabhorn International Science Congress with the theme of “**The Challenges of One Health: The Roles of Biosciences and Chemistry**”.

The scientific program will cover the following inter-related areas:

1. Antimicrobial Resistance
2. Climate Change and Health
3. Communicable Diseases
4. Diseases of Public Health Concerns (Genetic Diseases, Cancer)
5. Drug Development for Prevention and Treatment
6. Environmental Health Issues (Air Pollution, E-waste, Plastics, etc.)
7. Food Safety and Security
8. Impacts of Scientific Advances on One Health
9. Zoonotic Diseases

INVITED SPEAKERS**List of Invited Speakers (Partial list):****Nobel Laureate Speaker:**

Sir Gregory P. Winter (*Nobel Laureate in Chemistry 2018, MRC Laboratory of Molecular Biology, Cambridge, U.K.*)

Invited Speakers (confirmed):

Herman Autrup	(University of Aarhus, Denmark)
Matthew B. Avison	(University of Bristol, U.K.)
Yu-Ju Chen	(Institute of Chemistry, Academia Sinica, Taiwan)
Peter Dedon	(Massachusetts Institute of Technology, U.S.A.)
Hashem B. El-Serag	(Baylor College of Medicine, U.S.A.)
Tariq Enver	(University College London, U.K.)
John M. Essigmann	(Massachusetts Institute of Technology, U.S.A.)
Suthat Fucharoen	(Mahidol University, Thailand)
Tim F. Greten	(Center for Cancer Research, National Cancer Institute, U.S.A.)
John D. Groopman	(Johns Hopkins School of Medicine, U.S.A.)
Curtis C. Harris	(Center for Cancer Research, National Cancer Institute, U.S.A.)
John A. Hartley	(University College London, U.K.)
Paul Hunter	(University of East Anglia, U.K.)
Ho Jeong Kwon	(Yonsei University, Republic of Korea)
Direk Limmathurotsakul	(Mahidol University, Thailand)
Teck Yew Low	(Universiti Kebangsaan Malaysia, Malaysia)
Tom Misteli	(Center for Cancer Research, National Cancer Institute, U.S.A.)
Simona Parrinello	(University College London, U.K.)
Bradley L. Pentelute	(Massachusetts Institute of Technology, U.S.A.)
Yong Poovorawan	(Chulalongkorn University, Thailand)
Sittiruk Roytrakul	(National Center for Genetic Engineering and Biotechnology, Thailand)
Ram Sasisekharan	(Massachusetts Institute of Technology, U.S.A.)
Kwanrawee Sirikanchana	(Chulabhorn Research Institute, Thailand)
Motoyuki Sugai	(National Institute of Infectious Diseases, Japan)
Charles Swanton	(Cancer Research UK, U.K.)
Thipwimol Tim-Aroon	(Mahidol University, Thailand)

List of Invited Speakers (Partial list):

Invited Speakers (confirmed):

Greg Towers	(University College London, U.K.)
Martin van den Berg	(University of Utrecht, The Netherlands)
Jennifer van Eyk	(Cedars-Sinai, Smidt Heart Institute, U.S.A.)
Nithiwat Vatanavicharn	(Mahidol University, Thailand)
Xin Wei Wang	(Center for Cancer Research, National Cancer Institute, U.S.A.)
Pornswan Wasant	(Mahidol University, Thailand)
Duangrurdee Wattanasirichaigoon	(Mahidol University, Thailand)
John Yates III	(The Scripps Research Institute, U.S.A.)
Maged Younes	(European Food Safety Agency, Italy)
Ari Zimran	(Hebrew University of Jerusalem, Israel)

SCIENTIFIC PROGRAM

The program will feature Nobel Laureate Lecture, Plenary Lectures, Symposia, Roundtable Discussion, and Platform and Poster Presentations. Concurrent symposia/workshops on issues relating to the focus of the Congress are also organized. Topics include:

1. Antimicrobial Resistance: One Health Perspectives
2. Communicable Diseases: One Health Perspectives
3. Early Detection and Prevention of Cancer
4. Environmental Risk Factors Affecting Health
5. Genetic Diseases: From Detection to Therapy
6. Protein Changes in Disease
7. Relationships between Genetic Mutation and the Environment in Cancer and Infectious Diseases
8. Role of Chemical and Biological Sciences for Discovery of Modern Drugs
9. Zoonotic Diseases

CALL FOR ABSTRACTS

All congress participants are invited to submit abstracts for platform or poster presentations. Authors should select the appropriate area(s) from the “List of Topics” below and indicate this on the submission. Selection of whether the submissions will be presented as platform or poster presentations will be made by the Scientific Program Committee.

Deadline: Abstracts should be submitted to the secretariat by September 15, 2024.

Platform presentation: 15 minutes including discussion.

Poster Board dimensions: 1.0 m. (width) x 2.0 m. (height).

List of Topics for Platform and Poster Presentations:

1. Antimicrobial Resistance

- Global AMR surveillance: One health
- Novel AMR mechanisms
- Drivers, surveillance, and stewardship in AMR

2. Climate Change and Health

3. Communicable Diseases

- Microbial communicable diseases
- Viral communicable diseases
- New tools and technologies in One health and communicable diseases
- Surveillance and management of communicable diseases

4. Diseases of Public Health Concerns (Genetic Diseases, Cancer)

5. Drug Development for Prevention and Treatment

6. Environmental Health Issues (Air Pollution, E-waste, Plastics, etc.)

7. Food Safety and Security

8. Impacts of Scientific Advances on One Health

9. Zoonotic Diseases

Please note that:

- These abstract categories are used only for program planning and may or may not be used as session titles at the Congress.

Note:

- The content of the abstracts will be the basis for acceptance of the presentation at the Congress.
- The accepted abstract cannot be processed until full payment of the registration fee has been received by the registration office.

FELLOWSHIPS:

A limited number of fellowships are available to **participants whose abstracts have been selected by the Scientific Program Committee**; this will cover:

1. Registration fee and/or accommodation at the Chulabhorn Research Institute (ONLY for participants from developing countries).

AND/OR

2. Partial or discount airfare by low cost airlines (ONLY for participants from Asian countries).

REGISTRATION

Registration Fee:

Registration fee	Early Registration by November 15, 2024	Late Registration and On-site after November 15, 2024
Thai Participants		
Active Participant: Academic and Government Sectors	5,000 THB	6,000 THB
Active Participant with Accepted Abstract	4,000 THB	-
Active Participant: Private Sector	8,000 THB	10,000 THB
Accompanying person	2,500 THB	3,000 THB
Student	2,500 THB	3,000 THB
Overseas Participants		
Active Participant	500 USD	600 USD
Accompanying person	150 USD	150 USD
Student	200 USD	250 USD

Registration Fee includes admission to all scientific sessions, Program and Abstract Book, Lunch, Opening Ceremony and Reception, and Congress Dinner.

The Accompanying Person's fee includes only social activities (including Opening Ceremony, Reception, and Congress Dinner). It does not admit individuals to scientific sessions.

Cancellations and Refunds:

Registered participants who cannot attend the Congress will receive a refund of registration fees as follows:

- Cancellation received **before November 16, 2024: 80% refund.**
- **No refunds can be made for cancellations received on and after November 16, 2024.**
- Refunds will not be made until after the Congress.

CONGRESS VENUE

Congress Venue:

Shangri-La Hotel Bangkok

89 Soi Wat Suan Plu
New Road, Bangrak
Bangkok 10500, THAILAND
Tel: +66 2 236 7777
Fax: +66 2 236 8570
Website: www.shangri-la.com





CORRESPONDENCE:

The Secretariat

*The 9th Princess Chulabhorn
International Science Congress (PC IX)*

Chulabhorn Research Institute

Office of Academic Affairs

54 Kamphaeng Phet 6 Road, Lak Si

Bangkok 10210, Thailand

Tel: +66 2553 8535 Fax: +66 2553 8536

E-mail: pc@cri.or.th

