



# 2018 WORLD LIFE SCIENCE CONFERENCE



<http://wlsc2018.csi.org.cn/>



Oct. 27<sup>th</sup>-29<sup>th</sup>, 2018 Beijing, China

Organized by

China Association for Science and Technology  
Ministry of Science and Technology of the People's Republic of China

**THEME SCIENCE FOR BETTER LIFE**

Conference Chairs



**Zhu Chen**

Honorary President of the Shanghai Institute of Hematology, Academician of the Chinese Academy of Sciences



**David Baltimore**

1975 Nobel laureate in Physiology or Medicine, California Institute of Technology

Organizing Committee Chairs

Scientific & Program Committee Chairs



**Xuetao Cao**

President of China Union of Life Science Societies, Nankai University



**Victor J. Dzau**

President of the United States National Academy of Medicine, Harvard Medical School



**Zihe Rao**

The First President of China Union of Life Science Societies, Tsinghua University



**Vaida Vinson**

Deputy Editor, Science

Confirmed Invited Plenary Speakers



**David Baltimore**

1975 Nobel laureate in Physiology or Medicine, California Institute of Technology



**Aaron Ciechanover**

2004 Nobel Laureate in Chemistry, Israel Institute of Technology



**Jules A Hoffmann**

2011 Nobel Laureate in Physiology or Medicine, University of Strasbourg



**John E. Walker**

1997 Nobel Laureate in Chemistry, University of Cambridge



**Kurt Wüthrich**

2002 Nobel Laureate in Chemistry, The Scripps Research Institute and ETH Zurich



**Longping Yuan**

2001 Wolf Prize in Agriculture, 2004 World Food Prize, Hunan Academy of Agricultural Sciences



**Yunde Hou**

2017 Highest Science and Technology Award, Vice President of China Academy of Engineering



**Youyou Tu**

2015 Nobel Laureate in Physiology of Medicine, China Academy of Traditional Chinese Medicine

Symposia

- |   |   |  |
|---|---|--|
| 01 Biological Consequences of Global Change           | 21 Adaptive evolution of animals                                | 41 The Symposium on Cancer Frontier                                  |
| 02 Insect Chemical Communication                      | 22 Chemical Ecology from Gene to Behavior                       | 42 Evolution and Ecology of Infectious diseases                      |
| 03 Virtual Human _ Imaging Across Scales              | 23 Prospect and application of Insect Microbiome                | 43 Transplantation   |
| 04 Insect Vectors for Animal and Human Diseases       | 24 Plant and Environment  | 44 Plant Metabolome and Human Health                                 |
| 05 Genome-guided application in insect studies        | 25 Plant Biotic Interactions                                    | 45 Plant Genetics and Genomics                                       |
| 06 New advances in Agriculture                        | 26 Structural Biology   | 46 Cell Metabolism and Metabolic Diseases                            |
| 07 Plant genomes & evolution                          | 27 Cell Death and Disease                                       | 47 Epigenetics   |
| 08 Cell Fate Determination                            | 28 Stem Cell and Regenerative Medicine                          | 48 Genetic Diversity   |
| 09 Genome Editing                                     | 29 Diagnosis and Therapy of Rare Diseases                       | 49 Sustainable Agriculture   |
| 10 Interventional and Minimally Invasive Medicine     | 30 Frontier of Photosynthesis Research                          | 50 Cellular Imaging  |
| 11 Molecules: Make Life more Precise                  | 31 Molecules: Make Life more Precise                            | 51 Protein Research Frontier   |
| 12 Nanobiotech  | 32 International Standards and New Progress in Medical Robots   | 52 Nanomedicine  |
| 13 Medical Imaging                                    | 33 Chronic Obstructive Pulmonary Disease                        | 53 Frontiers in Sleep Studies  |
| 14 Nervous System Development                         | 34 Microbiome and Human Health                                  | 54 Aging and Disease   |
| 15 Multiscale Brainnetome Atlas                       | 35 Global Health and Infection Diseases                         | 55 Neurodegenerative Diseases: From Biology to Clinical Applications |
| 16 Emerging Infectious Diseases                       | 36 Infection and Immunity                                       | 56 New Vaccines Development and Application                          |
| 17 Innate Immune Response and Inflammation            | 37 Infant Nutrition and Scientific Feeding                      | 57 Nuclear Receptors and Metabolic Disease                           |
| 18 Drug-induced Damage and Clinical Rational Drug Use | 38 Research Progress in Agents Against Drug-resistant Infection | 58 New Drug Discover   |
| 19 Natural Products and Traditional Medicine          | 39 Chronic Infectious Disease                                   | 59 Immunotherapy and Biotherapy                                      |
| 20 Wildlife Gut Microbiomes and Evolution             | 40 Visible Human and Digital Medicine                           | 60 Synthetic Biology   |

**Special Forums** Young Scientists Forum, Biomedical Industrial Zone Forum, Bioeconomy Forum, Biotechnology Development Forum, Scientific Publishing Forum

**Young Scientist Travel Awards** | 2018 WLSC offers travel awards to help young scientists offset the costs of attending the conference. Please find the details in the official website.

Hosted by China Union of Life Science Societies, China National Center for Biotechnology Development

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| CHINA ZOOLOGICAL SOCIETY                                  | BOTANICAL SOCIETY OF CHINA                  | THE ENTOMOLOGICAL SOCIETY OF CHINA                 | CHINESE SOCIETY FOR MICROBIOLOGY      |
| THE CHINESE SOCIETY OF BIOCHEMISTRY AND MOLECULAR BIOLOGY | CHINESE SOCIETY FOR CELL BIOLOGY            | CHINESE SOCIETY FOR PLANT BIOLOGY                  |                                       |
| BIOPHYSICAL SOCIETY OF CHINA                              | GENETICS SOCIETY OF CHINA                   | CHINESE ASSOCIATION FOR LABORATORY ANIMAL SCIENCES | THE CHINESE NEUROSCIENCE SOCIETY      |
| CHINESE SOCIETY OF BIOTECHNOLOGY                          | CHINESE ASSOCIATION OF INTEGRATIVE MEDICINE | CHINESE ASSOCIATION FOR PHYSIOLOGICAL SCIENCES     |                                       |
| CHINESE SOCIETY FOR ANATOMICAL SCIENCES                   | CHINESE SOCIETY OF BIOMEDICAL ENGINEERING   | CHINESE NUTRITION SOCIETY                          | CHINESE PHARMACOLOGICAL SOCIETY       |
| CHINESE ANTI-CANCER ASSOCIATION                           | CHINESE SOCIETY FOR IMMUNOLOGY              | CHINESE PREVENTIVE MEDICINE ASSOCIATION            | CHINESE SOCIETY FOR COGNITIVE SCIENCE |