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| **REGISTRATION** 08:00 - 15:00 | 09:00 NOBEL LAUREATE LECTURE: Why Our Proteins Have to Die, So We Shall Live? The Ubiquitin Proteolytic System - from Basic Mechanisms thru Human Diseases and on to Drug Development  
  Aaron Ciechanover (Nobel Laureate, Israel) | 09:00 PLENARY LECTURES:  
  PL4: The Role of the Environment - Precision Medicine; Liver and Lung Cancer  
  Curtis C. Harris (U.S.A.)  
  PL5: Cancer Genomic Heterogeneity and Hepatocarcinogenesis  
  Xin Wei Wang (U.S.A.)  
  PL7: (To be announced)  
  David Heymann (U.K.) | 09:00 PLENARY LECTURES:  
  PL8: Using Exposomics to Assess Cumulative Risks from Multiple Environmental Stressors  
  Martyn T. Smith (U.S.A.)  
  PL9: Susceptibility to Infectious Diseases: Does Exposure to Environmental Chemicals Play a Role?  
  Gwen Collman (U.S.A.)  
  PL11: (To be announced)  
  Poonam Khetrapal Singh (WHO, SEARO) | 09:00 SYMPOSIA:  
  S10: Global Epidemic of Obesity  
  S11: Chemical-biological Synergism  
  S12: Pollution: The Single Largest Cause of Death and Disability |
| **OPENING CEREMONY:** 15:45 Guests to be seated in the Ballroom  
  16:00 Arrival of Professor Dr. HRH Princess Chulabhorn  
  Video presentation in honor of His Majesty King Bhumibol and Her Majesty Queen Sirikit  
  16:10 Report by Dr. Khunying Mathuros Ruchirawat  
  16:15 Opening Address by Professor Dr. HRH Princess Chulabhorn  
  16:20 Keynote Lecture by Professor Dr. HRH Princess Chulabhorn | 09:45 PLENARY LECTURES:  
  PL1: Signatures of Mutational Processes in Human Cancer  
  Sir Michael R. Stratton (U.K.)  
  PL2: Air Pollution and Smoking on Global Health Both Non-cancer and Cancer-related Diseases and Mortality  
  Jonathan M. Samet (U.S.A.)  
  PL3: (To be announced)  
  James P. Allison (U.S.A.)  
  PL5: Cancer Genomic Heterogeneity and Hepatocarcinogenesis  
  Xin Wei Wang (U.S.A.)  
  PL7: (To be announced)  
  David Heymann (U.K.) | 14:00 SYMPOSIA:  
  S1: Environmental Causes of Chronic Diseases Studied in International Cohorts  
  S2: Inflammation / Disease Development  
  S3: Infectious Diseases and Biotechnology  
  S4: The Role of Nutrition / Diet to Reduce Disease Risks Associated with Environmental Exposures  
  S5: Impact of the Epigenetic Road Maps on Cancer and Inflammation-related Disorders  
  S6: New Approaches in Risk Assessment  
  S7: Regional Environmental Health  
  S8: In Utero and Early Childhood Exposure and Cancer in Children  
  S9: New Technologies – Nanoscience  
  S10: Global Epidemic of Obesity  
  S11: Chemical-biological Synergism  
  S12: Pollution: The Single Largest Cause of Death and Disability | 13:30 CLOSING SESSION:  
  15:30 CLOSING CEREMONY:  
  CL: (To be announced)  
  Michael Rosenblatt (U.S.A.)  
  Presentation of the Princess Chulabhorn Gold Medal Award  
  Closing Remarks by Professor Dr. HRH Princess Chulabhorn |
| **LUNCH** | **POSTER PRESENTATION** | **POSTER PRESENTATION** | **POSTER PRESENTATION** | 14:00 SYMPOSIA:  
  S1: Environmental Causes of Chronic Diseases Studied in International Cohorts  
  S2: Inflammation / Disease Development  
  S3: Infectious Diseases and Biotechnology  
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| **RECEPTION** | **POSTER PRESENTATION** | **POSTER PRESENTATION** | **POSTER PRESENTATION** | 14:00 SYMPOSIA:  
  S1: Environmental Causes of Chronic Diseases Studied in International Cohorts  
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  S9: New Technologies – Nanoscience |

Note: Platform Presentation (To be announced)  
As of September 5, 2016
Proposed Symposia: (To be confirmed)

**Monday, November 14, 2016 (Ballroom I)**

**Symposium I: Environmental Causes of Chronic Diseases Studied in International Cohorts**  
(Chairpersons: Martyn T. Smith and Lars Lind)
- International studies of blood pressure, obesity, diabetes and cardiovascular disease risk – Paul Elliott (Imperial College London, UK)
- Effects of environmental contaminants on diabetes and cardiovascular disease in a Swedish cohort (PIVUS) – Monica Lind (Uppsala University, Sweden)
- Early life exposures and risk of cancer and diabetes in a California Birth Cohort – Michele La Merrill (University of California at Davis, USA)
- Epigenetic mechanisms underlying prenatal arsenic-induced risk for infection in a Mexican cohort - Rebecca Fry (UNC-Chapel Hill, USA)
- The Japan Environment and Children’s Study – Shoji F. Nakayama (National Institute for Environmental Studies, Japan)
- Indoor air pollution, genetic susceptibility, molecular markers, and risk of lung cancer among never smoking females in Asia – Qing Lan (NCI, USA and Tianjin University)

**Monday, November 14, 2016 (Ballroom II)**

**Symposium II: Inflammation / Disease Development**  
(Chairperson: James Allison)
- Current and future therapy of HCC and CCA – Peter Galle (University of Mainz, Germany)
- Chronic obstructive lung disease – Avrum Spira (Boston University School of Medicine, USA)
- Early life exposure to environmentally persistent free radicals increases influenza severity – Stephania A. Cormier (University of Tennessee Health Science Center, USA)
Monday, November 14, 2016 (Ballroom III)

Symposium III: Infectious Diseases and Biotechnology
(coordinated by Ram Sasisekharan)
- NMR and Molecular Dynamics as tools to understand the structural features at the basis of human and avian influenza infection – Marco Guerrini (Istituto di Ricerche Chimiche e Biochimiche G-Ronzoni, Italy)
- Clinical studies related to Flaviviruses and implications on immunity – Eng Eong Ooi (Duke-NUS Medical School, Singapore)
- On vaccines and biomanufacturing – Rahul Singhvi (Takeda Pharmaceuticals International, Inc., USA)
- (To be announced) – Peter Hecht (Ironwood Pharmaceuticals, USA)
- (To be announced) – Debasish Roychowdhury (USA)

Tuesday, November 15, 2016 (Ballroom I)

Symposium IV: The Role of Nutrition / Diet to Reduce Disease Risks Associated with Environmental Exposures
(Chairpersons: William A. Suk and Bernhard Hennig)
- Healthful nutrition: A lifelong intervention against environmental insults and implications in public health – Bernhard Hennig (University of Kentucky, USA)
- Chemopreventive effects of some edible natural products on inflammation-associated gastric carcinogenesis – Young-Joon Surh (Seoul National University, South Korea)
- Black raspberry formulations for the prevention of aerodigestive tract cancers – Gary Stoner (Medical College of Wisconsin, USA)
- Nutritional influence on arsenic toxicity in Bangladesh – Mary Gamble (Columbia University, USA)

Tuesday, November 15, 2016 (Ballroom II)

Symposium V: Impact of the Epigenetic Road Maps on Cancer and Inflammation-related Disorders (Cosponsored by the Fritz-Bender Foundation)
(Chairpersons: Hans-Peter Huber and Kurt S. Zänker)
- Impact of epigenetics on social and legal affairs, with special reference to environment – Hans-Peter Huber (Fritz-Bender Foundation, Munich, Germany)
- Epigenetic biomedical road maps: An overview – Kurt S. Zänker (University Witten/Herdecke, Germany)
- Tumor-microenvironment and resistance of tumor cells to CSPG4-specific CAR T-cells – Soldano Ferrone (MGH, Harvard Medical School, USA)
- When a Serine provides new powers: How the 249 substitution shapes mutant p53 behavior in hepatocellular carcinoma – Giannino Del Sal (University of Trieste, Italy)
- Why cystic fibrosis and P. aeruginosa go together – Udo Schumacher (University of Hamburg, Germany)
- Summary – Kurt S. Zänker (University Witten/Herdecke, Germany)

**Tuesday, November 15, 2016 (Ballroom III)**

**Symposium VI: New Approaches in Risk Assessment**
(Chairpersons: William W. Au and Herman Autrup)

- Population studies for risk assessment and policy development – William W. Au (Shantou University Medical College, PR China)
- Are endocrine compounds a special concern? – Daniel R. Dietrich, (University of Konstanz, Germany)
- The adverse outcome pathway concept: Value of 3D in vitro methods for studying species-specific key events – Ellen Fritsche (University of Düsseldorf, Germany)
- Bisphenol A – The European perspectives – Jan Alexander (Norwegian Institute of Public Health, Norway)
- Novel use of aptamer molecules in lab-on-a-chip approaches – Carsten Harms (Bremerhavener Institute for Applied Molecular Biology, Germany)

**Wednesday, November 16, 2016 (Ballroom I)**

**Symposium VII: Regional Environmental Health**
(coorganized by WHO SEARO and UNEP)

**Wednesday, November 16, 2016 (Ballroom II)**

**Symposium VIII: In Utero and Early Childhood Exposure and Cancer in Children** (Cosponsored by Children with Cancer UK)

(Chairpersons: Denis L. Henshaw and William A. Suk)

- What are the chief purported environmental and lifestyle causes of childhood cancer? – Denis L. Henshaw (University of Bristol, UK)
- Using human pluripotent stem cells to model the in utero initiation of childhood leukaemia – Tariq Enver (University College London, UK)
- The epidemiology of childhood brain tumors – Roberta McKean-Cowdin (University of Southern California, USA)
- Air pollution and childhood leukemia – Marco Vinceti (University of Modena, Italy)
- Melatonin, circadian rhythms and their effects on the placenta and fetus – Cathy Vaillancourt (Institut national de la recherche scientifique, INRS, Canada)
Wednesday, November 16, 2016 (Ballroom III)

Symposium IX: New Technologies – Nanoscience

(Chairperson: Herman Autrup)
- Carbon nanotube toxicity. What should we learn from Asbestos? – Jun Kanno (Japan Organization of Occupational Health and Safety, Japan)
- Genotoxicity of engineered nanomaterials – Herman Autrup (University of Aarhus, Denmark)
- Dynamic silver nanoparticle – Protein hybrids – Duncan S. Sutherland (University of Aarhus, Denmark)
- Application of the traditional ecological risk assessment paradigm in assessing environmental effects of nanomaterials – Victor Wepener (North-West University, South Africa)
- Nanomaterials in medical application – Chunying Chen (National Center for Nanoscience and Technology, PR China)

Thursday, November 17, 2016 (Ballroom I)

Symposium X: Global Epidemic of Obesity
(coordinated by Timothy W. Gant)
- Obesity - The public health perspective - Timothy W. Gant (Public Health England, UK)
- Obesity – Causes, environment versus genetics – Jennifer Lyn Baker (Institute of Preventive Medicine, Bispebjerg and Frederiksberg Hospitals, Denmark)
- Transgenerational Inheritance of Prenatal Obesogen Exposure – Bruce Blumberg (University of California, Irvine, USA)
- Obesity and the microbiome – Jordana Bell (King’s College London, UK)
- Obesity and the next generation – L.H. Lumey (Columbia University, USA)

Thursday, November 17, 2016 (Ballroom II)

Symposium XI: Chemical-biological Synergism

(Chairpersons: John M. Essigmann and John D. Groopman)
- Interaction between chemical and viral exposures and risk of non-Hodgkin lymphoma in Asia – Nathaniel Rothman (NCI, USA)
- Liver cancer – Aflatoxin: Population persepectives – John D. Groopman (Johns Hopkins Bloomberg School of Public Health, USA)
- High-fidelity mutational spectrometry enables early prediction of aflatoxin B1-induced liver cancer – John M. Essigmann (MIT, USA)
- Targeting microbiota in breast cancer – Susan E. Erdman (MIT, USA)
- Gall bladder cancer and aflatoxin - Jill Koshiol (NCI, USA)
**Thursday, November 17, 2016 (Ballroom III)**

**Symposium XII: Pollution: The Single Largest Cause of Death and Disability**

**Subtitle:** A review of the forthcoming Lancet Commission on Pollution Health and Development

*(Chairpersons: Richard Fuller and Bindu Lohani)*

- Global burden of disease due to pollution – *Philip J. Landrigan (The Mount Sinai Hospital, USA)*
- E-waste: Strategies to reduce exposures in vulnerable populations – *William A. Suk (NIEHS, USA)*
- Poison in the well: Exposure, consequences and remediation of arsenic in drinking water – *Joseph H. Graziano (Columbia University, USA)*
- Impact of pollution on pediatric and adult disease – *Peter Sly (University of Queensland, Australia)*

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