

SCIENTIFIC PROGRAM

20th International Charles Heidelberger Symposium on Cancer Research - Arica, Chile. October 8-11, 2014

OPENING CEREMONY AT AULA MAGNA, UNIVERSIDAD DE TARAPACÁ

Chairperson: Gloria M. Calaf

Instituto de Alta Investigación, Universidad de Tarapacá, Arica, Chile

18:00 – 18:05

**Dr. Gloria M. Calaf, Chile**

Chairperson

Universidad de Tarapacá, Arica, Chile and Columbia University Medical Center,  
New York, USA

18:05 – 18:20

**Dr. Arturo Flores Franulić**

Rector Universidad de Tarapacá, Arica, Chile

18:20 – 18:25

**Dr. Eliezer Huberman**

The Charles and Patricia Heidelberger Foundation for Cancer Research, USA

18:25 – 18:30

**Dr. Joseph Landolph**

The Charles and Patricia Heidelberger Foundation for Cancer Research, USA

18:30 – 19:00

**Dr. Gareth Owen: Introductory Lecture**

“Cancer: An unauthorized biography”

Pontificia Universidad Católica de Chile, Santiago, Chile

19:00 – 19:15

**Carlos Elgueta**

National Fund for Science and Technology (Fondo Nacional de Ciencia y Tecnología,  
FONDECYT), Chile

19:15 – 19:30

**Jorge Jiménez**

“Facing the burden of cancer in Chile”

Representative of Chilean Public Health

SESSION

INTRODUCTION

1

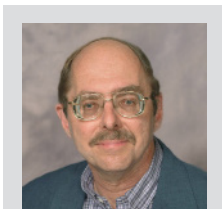
Chairperson: Dr. Gloria M. Calaf, Instituto de Alta Investigación, Universidad de Tarapacá, Arica, Chile and Columbia University Medical Center, New York, USA



08:30 – 08:45

**Dr. Eliezer Huberman**

**The First International Charles Heidelberger Symposium on Cancer Research.**  
School of Pharmacy, University of Chicago, Chicago, Illinois, USA



08:45 – 09:00 **Dr. Joseph Landolph**

**Career of Professor Charles Heidelberger, The Charles and Patricia Heidelberger Foundation for Cancer Research, and Continuing Heidelberger Symposia.**

Dept. of Molecular Microbiology/Immunology and USC/Norris Comprehensive Cancer Center, Keck School of Medicine, University of Southern California, Los Angeles, California, USA

SESSION

FROM EPIDEMIOLOGY TO MOLECULAR CARCINOGENESIS I

2

Chairpersons: Dr. Ricardo Amaru, Medical School, San Andres University, La Paz, Bolivia, and Dr. Maria Carmen Alpoim, University of Coimbra, Coimbra, Portugal

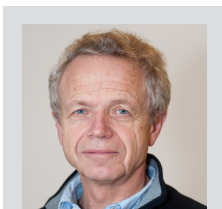


09:00 – 09:30

**Dr. Toshio Kuroki**

**Power law analysis of health, natural and social events.**

Japan Society for the Promotion of Science, University of Tokyo and Gifu University, Tokyo, Japan



09:30 – 10:00

**Dr. Aage Haugen**

**Lung cancer susceptibility.**

Department of Toxicology, National Institute of Occupational Health, Oslo, Norway

■ 10:00 – 10:30 Coffee Break / Poster presentation

SESSION

3

FROM EPIDEMIOLOGY TO MOLECULAR CARCINOGENESIS II

Chairpersons: Dr. Debasish Roy, Hostos College of the City University of New York, New York, USA, and Dr. Aage Haugen, National Institute of Occupational Health, Oslo, Norway

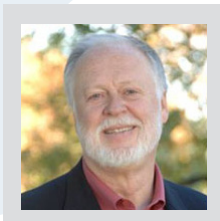


10:30 – 11:00

**Dr. Catterina Ferreccio**

**Unique features of cancer in Chile.**

Facultad de Medicina, Pontificia Universidad Católica de Chile, Chile



11:00 – 12:00

**Keynote speaker: Dr. Curtis C. Harris**

**Interweaving the threads of the p53, microRNA, and inflammation networks into the tapestry of aging and cancer.**

Laboratory of Human Carcinogenesis, National Cancer Institute of Health, Bethesda, Maryland, USA

SESSION

4

CELL AND MOLECULAR BIOLOGY OF CANCER I

Chairpersons: Dr. Alfredo Aguilar, Centro de Cáncer Oncosalud, Lima, Perú, and Dr. Andrew Quest, Facultad de Medicina, Universidad de Chile, Santiago, Chile

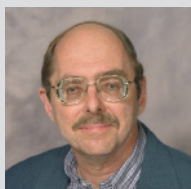


13:30 – 14:00

**Dr. Arne Klungland**

**Reversible methyl modifications in DNA, RNA and proteins; role in disease.**

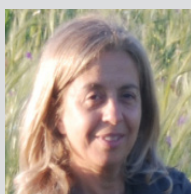
Centre for Molecular Biology and Neuroscience, Institute of Medical Microbiology Riskhospitalet University Hospital, Oslo, Norway



**14:00 – 14:30 Dr. Joseph Landolph**

**Molecular biology of morphological and neoplastic transformation induced by insoluble Ni<sup>2+</sup> compounds in C3H/10T1/2 mouse embryo fibroblasts.**

Dept. of Molecular Microbiology/Immunology and USC/Norris Comprehensive Cancer Center, Keck School of Medicine, University of Southern California, Los Angeles, California, USA



**14:30 – 15:00**

**Dr. Maria Carmen Alpoim**

**Stromal cells-derived paracrine factors promote dedifferentiation of human lung carcinoma cells into cancer stem cells.**

Faculty of Science and Technology, University of Coimbra, Coimbra, Portugal

**15:00 – 16:00** Coffee Break / Poster presentation

SESSION

5

**Cell and Molecular Biology of Cancer II**

Chairpersons: Dr. Joseph Landolph, Dept. of Molecular Microbiology/Immunology and USC/Norris Comprehensive Cancer Center, Keck School of Medicine University of Southern California, Los Angeles, California, USA, and Dr. Alfonso González, Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile, Santiago, Chile



**16:00 – 16:30**

**Dr. Andrew Quest**

***Helicobacter pylori* secretion of gamma glutamyl transpeptidase triggers loss of survivin expression and gastric cell viability.**

Centro de Estudios Moleculares de la Célula, Facultad de Medicina, Universidad de Chile, Santiago, Chile



**16:30 – 17:00**

**Dr. Alejandro Corvalán**

**A non-invasive test for the detection of gastric cancer based on cell-free DNA of Reprimo methylation.**

Facultad de Medicina, Pontificia Universidad Católica de Chile, Santiago, Chile



17:00 – 17:30

**Galenica Presentation by Dr. Erick Contreras**  
**Digital droplet PCR: A powerful technology for cancer diagnostic.**  
 Galenica Product Manager, Santiago, Chile

SESSION

6

**SIGNAL TRANSDUCTION ABERRATIONS I**

Chairpersons: Dr. Eliezer Huberman, School of Pharmacy, University of Chicago, Chicago, Illinois, USA, and Dr. Toshio Kuroki, Japan Society for the Promotion of Science, Tokyo, Japan



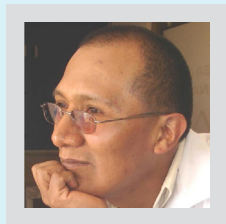
08:30 – 09:00

**Dr. Yoshinori Murakami**  
**Involvement of CADM1 in apoptosis induction of detached epithelial cells as a new type of dependence receptor.**  
 Division of Molecular Pathology, Institute of Medical Science, The University of Tokyo, Tokyo, Japan



09:00 – 09:30

**Dr. Gareth Owen**  
**The role of platelets in the metastatic phenotype of ovarian cancer cells.**  
 Facultad de Ciencias Biológicas, Pontificia Universidad Católica de Chile, Santiago, Chile



09:30 – 10:00

**Dr. Ricardo Amaru**  
**HMG CoA reductase inhibitor induces inhibition of proliferation and apoptosis cells in polycythemia vera patients.**  
 National Academy of Sciences, Medical School, San Andres University, La Paz, Bolivia

10:00 – 10:30 Coffee Break / Poster presentation

SESSION

SIGNAL TRANSDUCTION ABERRATIONS II

7

Chairpersons: Dr. Gareth Owen and Dr. Alejandro Corvalán, Pontificia Universidad Católica de Chile, Santiago, Chile



10:30 – 11:00

**Dr. Enrique Castellón**

**Functional features of cancer stem cells from prostate cancer: Potential therapeutic targets.**

Instituto de Ciencias Biomédicas, Facultad de Medicina, Universidad de Chile, Santiago, Chile

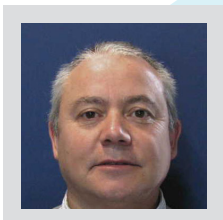


11:00 – 11:30

**Dr. Verónica Burzio**

**Role of non-coding mitochondrial RNAs in cancer therapy.**

Andes Biotechnologies SA, Fundación Ciencia & Vida, and Universidad Andrés Bello, Santiago, Chile



11:30 – 12:00

**Dr. Sergio Oñate**

**Bone stromal cells change co-regulator recruitment and alter AR dependent transcription in hormonal resistance prostate cancer**

Escuela de Medicina, Universidad de Concepción, Concepción, Chile

SESSION

CANCER DRUG RESISTANCE AND CANCER THERAPY I

8

Chairpersons: Dr. Robert Ladner, USC/Norris Comprehensive Cancer Center, Los Angeles, California, USA and Dr. Enrique Castellón, Instituto de Ciencias Biomédicas, Facultad de Medicina, Universidad de Chile, Santiago, Chile



13:30 – 14:00

**Dr. Carlos F. Menck**

**Mechanisms of resistance of glioma cells to chemotherapy.**

Institute of Biomedical Sciences, University of São Paulo, São Paulo, Brazil



**14:00 – 14:30**

**Dr. Eliezer Huberman**

**Drugs that control hepatitis C and human immunodeficiency virus infections.**  
School of Pharmacy, University of Chicago, Chicago, Illinois, USA



**14:30 – 15:00**

**Dr. Alfonso González**

**Endocytic trafficking of EGFR: Potential anti-cancer target.**  
Centro de Envejecimiento y Regeneración, Facultad de Ciencias Biológicas,  
Pontificia Universidad Católica de Chile, Santiago, Chile

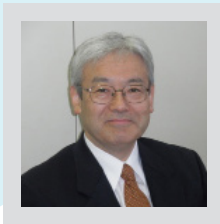
**15:00 – 15:30** Coffee Break / Poster presentation

SESSION

9

**CANCER DRUG RESISTANCE AND CANCER THERAPY II**

Chairpersons: Dr. Arne Klungland, Institute of Medical Microbiology Rikshospitalet University Hospital, Oslo, Norway, and Dr. Wei Li, USC/Norris Comprehensive Cancer Center, Keck School of Medicine, University of Southern California, Los Angeles, California, USA



**15:30 – 16:00**

**Dr. Yoshimi Homma**

**Novel anti-tumor compounds isolated from slime molds and fungi.**  
Institute of Biomedical Sciences, School of Medicine, Fukushima Medical University, Fukushima, Japan



**16:00 – 16:30**

**Dr. Robert D. Ladner**

**Novel mechanism-based strategies targeting drug resistance in cancer therapy.**  
USC/Norris Comprehensive Cancer Center, Los Angeles, California, USA

**16:30 – 17:30** Business meeting

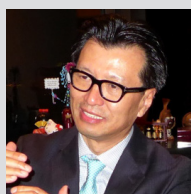


SESSION

BREAST CARCINOGENESIS AND BREAST CANCER THERAPY I

10

Chairpersons: Dr. Yoshinori Murakami, The University of Tokyo, Tokyo, Japan, and Dr. Sergio Oñate, Universidad de Concepción, Concepción, Chile



09:00 – 09:30

**Dr. Wei Li**

**Dual lysine residues define non-chaperone function of secreted HSP90 $\alpha$  in breast cancer cell migration and invasion.**

USC/Norris Comprehensive Cancer Center, Keck School of Medicine, University of Southern California, Los Angeles, California, USA



09:30 – 10:00

**Dr. Alfredo Aguilar**

**Toll-like receptors in breast cancer.**

Centro de Cáncer Oncosalud, Lima, Perú

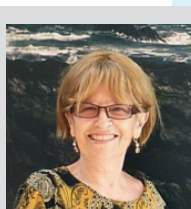
10:00 – 11:00 Coffee Break / Poster presentation

SESSION

BREAST CARCINOGENESIS AND BREAST CANCER THERAPY II

11

Chairpersons: Dr. Yoshimi Homma, Institute of Biomedical Sciences, School of Medicine, Fukushima Medical University, Fukushima, Japan, and Dr. Carlos Menck, University of São Paulo, São Paulo, Brazil



11:00 – 11:30

**Dr. Gloria M. Calaf**

**Genomic instability induces drug resistance in breast carcinogenesis.**

Instituto de Alta Investigación, Universidad de Tarapacá, Arica, Chile, and Columbia University Medical Center, New York, USA





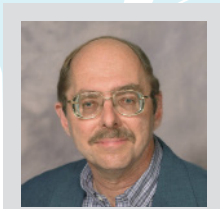
**11:30 – 12:00**

**Dr. Debasish Roy**

**Allelic loss at chromosome 11q13 alters FGF3 gene expression in breast cancer progression.**

Department of Natural Sciences, Hostos College of the City University of New York, New York, USA

## CLOSING CEREMONY



**12:00 – 12:30**

**Dr. Joseph Landolph**

Dept. of Molecular Microbiology/Immunology and USC/Norris Comprehensive Cancer Center, Keck School of Medicine, University of Southern California, Los Angeles, California, USA



**Dr. Eliezer Huberman**

School of Pharmacy, University of Chicago, Chicago, Illinois, USA

