

WEDNESDAY, OCTOBER 8, 2014

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

THURSDAY, OCTOBER 9, 2014

1 SESSION INTRODUCTION

Chairperson: Dr. Gloria M. Calaf, Chile

- 08:30 – 08:45 **Dr. Eliezer Huberman (USA)**
The First International Charles Heidelberger
Symposium on Cancer Research
- 08:45 – 09:00 **Dr. Joseph Landolph (USA)**
Career of Professor Charles Heidelberger, The
Charles and Patricia Heidelberger Foundation
for Cancer Research, and Continuing
Heidelberger Symposia

2 SESSION FROM EPIDEMIOLOGY TO MOLECULAR CARCINOGENESIS I

Chairpersons: Dr. Ricardo Amaru, Bolivia and
Dr. Maria Carmen Alpoim, Portugal

- 09:00 – 09:30 **Dr. Toshio Kuroki (Japan)** Power law
analysis of health, natural and social events.
- 09:30 – 10:00 **Dr. Aage Haugen (Norway)**
Lung cancer susceptibility.
- 10:00 – 10:30 Coffee Break / Poster presentation

3 SESSION FROM EPIDEMIOLOGY TO MOLECULAR CARCINOGENESIS II

Chairpersons: Dr. Debasish Roy, USA and
Dr. Aage Haugen, Norway

- 10:30 – 11:00 **Dr. Catterina Ferreccio (Chile)**
- 11:00 – 12:00 **Keynote speaker: Dr. Curtis C. Harris (USA)**
Interweaving the threads of the p53, microRNA,
and inflammation networks into the tapestry of
aging and cancer

4 SESSION CELL AND MOLECULAR BIOLOGY OF CANCER I

Chairpersons: Dr. Alfredo Aguilar, Perú, and
Dr. Andrew Quest, Chile

- 13:30 – 14:00 **Dr. Arne Klungland (Norway)**
Reversible methyl modifications in DNA, RNA
and proteins; role in disease
- 14:00 – 14:30 **Dr. Joseph Landolph (USA)** Molecular biology of
morphological and neoplastic transformation
induced by insoluble Ni+2 compounds in
C3H/10T1/2 mouse embryo fibroblasts
- 14:30 – 15:00 **Dr. Maria Carmen Alpoim (Portugal)**
Stromal cells-derived paracrine factors promote
dedifferentiation of human lung carcinoma cells
into cancer stem cells

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

5 SESSION CELL AND MOLECULAR BIOLOGY OF CANCER II

Chairpersons: Dr. Joseph Landolph, USA, and
Dr. Alfonso González, Chile

- 16:00 – 16:30 **Dr. Andrew Quest (Chile)**
Helicobacter pylori secretion of gamma glutamyl
transpeptidase triggers loss of survivin
expression and gastric cell viability
- 16:30 – 17:00 **Dr. Alejandro Corvalán (Chile)**
A non-invasive test for the detection of gastric
cancer based on cell-free DNA of Reprimo
methylation
- 17:00 – 17:30 **Galenica Presentation by
Dr. Erick Contreras (Chile)**
Digital droplet PCR: A powerful technology
for cancer diagnostic

FRIDAY, OCTOBER 10, 2014

6 SESSION SIGNAL TRANSDUCTION ABERRATIONS I

Chairpersons: Dr. Eliezer Huberman, USA, and
Dr. Toshio Kuroki, Japan

- 08:30 – 09:00 **Dr. Yoshinori Murakami (Japan)**
Involvement of CADM1 in apoptosis induction of
detached epithelial cells as a new type of
dependence receptor
- 09:00 – 09:30 **Dr. Gareth Owen (Chile)**
The role of platelets in the metastatic
phenotype of ovarian cancer cells
- 09:30 – 10:00 **Dr. Ricardo Amaru (Bolivia)**
HMG CoA reductase inhibitor induces inhibition
of proliferation and apoptosis cells in
polycythemia vera patients
- 10:00 – 10:30 Coffee Break / Poster presentation

7 SESSION SIGNAL TRANSDUCTION ABERRATIONS II

Chairpersons: Dr. Gareth Owen, Chile and
Dr. Alejandro Corvalán, Chile

- 10:30 – 11:00 **Dr. Enrique Castellón (Chile)**
Functional features of cancer stem cells from
prostate cancer: Potential therapeutic targets

FRIDAY, OCTOBER 10, 2014

- 11:00 – 11:30** **Dr. Verónica Burzio** (Chile)
Role of non-coding mitochondrial RNAs in cancer therapy
- 11:30 – 12:00** **Dr. Sergio Oñate** (Chile)
Bone stromal cells change coregulator recruitment and alters AR dependent transcription in hormonal resistance prostate cancer

8 SESSION **CANCER DRUG RESISTANCE AND CANCER THERAPY I**
Chairpersons: Dr. Robert Ladner, USA and Dr. Enrique Castellón, Chile

- 13:30 – 14:00** **Dr. Carlos F. Menck** (Brazil)
Mechanisms of resistance of glioma cells to chemotherapy
- 14:00 – 14:30** **Dr. Eliezer Huberman** (USA)
Drugs that control hepatitis C and human immunodeficiency virus infections
- 14:30 – 15:00** **Dr. Alfonso González** (Chile)
Endocytic trafficking of EGFR: Potential anti-cancer target
- 15:00 – 15:30** Coffee Break / Poster presentation

9 SESSION **CANCER DRUG RESISTANCE AND CANCER THERAPY II**
Chairpersons: Dr. Arne Klungland, Norway and Dr. Wei Li, USA

- 15:30 – 16:00** **Dr. Yoshimi Homma** (Japan)
Novel anti-tumor compounds isolated from slime molds and fungi
- 16:00 – 16:30** **Dr. Robert D. Ladner** (USA)
Novel mechanism-based strategies targeting drug resistance in cancer therapy
- 16:30 – 17:30** Business meeting

SATURDAY, OCTOBER 11, 2014

10 SESSION **BREAST CARCINOGENESIS AND BREAST CANCER THERAPY I**
Chairpersons: Dr. Yoshinori Murakami, Japan and Dr. Sergio Oñate, Chile

- 09:00 – 09:30** **Dr. Wei Li** (USA)
Dual lysine residues define non-chaperone function of secreted HSP90α in breast cancer cell migration and invasion

- 09:30 – 10:00** **Dr. Alfredo Aguilar** (Perú)
Toll-like receptors in breast cancer
- 10:00 – 11:00** Coffee Break / Poster presentation

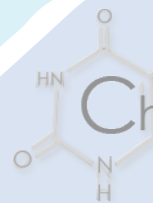
11 SESSION **BREAST CARCINOGENESIS AND BREAST CANCER THERAPY II**
Chairpersons: Dr. Yoshimi Homma, Japan and Dr. Carlos Menck, Brazil

- 11:00 – 11:30** **Dr. Gloria M. Calaf** (Chile)
Genomic instability induces drug resistance in breast carcinogenesis
- 11:30 – 12:00** **Dr. Debasish Roy** (USA)
Allelic loss at chromosome 11q13 alters FGF3 gene expression in breast cancer progression

CLOSING CEREMONY

- 12:00 – 12:30** **Dr. Joseph Landolph** (USA)
Dr. Eliezer Huberman (USA)

Sponsors



For Cancer Research

Charles and Patricia Heidelberg Foundation



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Arica - Chile



UNIVERSIDAD DE TARAPACÁ
Universidad de Verdad



INSTITUTO DE ALTA INVESTIGACIÓN