PRINCESS TAKAMATSU CANCER RESEARCH FUND

LECTURES

1st (1981) **Arthur C. Upton**
The Role of DNA Damage in Radiation and Chemical Carcinogenesis
Evolving Perspectives on the Causes and Prevention of Cancer

2nd (1982) **James A. Miller**
Studies on the Metabolic Activation of Naturally Occurring Carcinogens: Alkenylbenzene Derivatives and Ethyl Carbamate

Elizabeth C. Miller
Metabolic Activation and DNA Adducts of Chemical Carcinogens

3rd (1983) **Richard Doll**
The Prevention of Cancer: Practical Prospects

4th (1984) **Bruce N. Ames**
Dietary Carcinogens and Anticarcinogens: Oxygen Radicals and Degenerative Diseases

5th (1985) **Manfred F. Rajewsky**
Carcinogenesis in the Developing Nervous System: Molecular and Cellular Aspects

6th (1986) **George Klein**
Multistep Scenarios in Tumor Development

7th (1987) **Henry C. Pitot**
1. Quantitative Studies of Multistage Hepatocarcinogenesis
2. Studies of Multistage Hepatocarcinogenesis *in vivo* and *in vitro*
3. Hepatic Carcinogenesis
4. Studies on the Regulation and Structure of the Rat Lover Serine Dehydratase Gene, mRNA and Protein

8th (1988) **Brian MacMahon**
Prevention of Cancer: Role of Epidemiology

9th (1989) **Pelayo Correa**
The Cause of Gastric Cancer: A Multidisciplinary Approach

10th (1990) **Arthur B. Pardee**
Molecular Studies of Cellular Growth Control

Ruth Sager
Tumor Suppressor Genes

11th (1991) **Michael Stoker**
1. Cytokine Regulation of the Movement of Normal Cells and Tumor Cells
2. Contact Suppression of Tumor Cells
3. Motogenic Cytokines: Regulation of Cell Motility

12th (1992) **Lorenzo Tomatis**
The Varying Emphasis over Time on the Role of Environmental Risks for Human Cancer

13th (1993) **Lee W. Wattenberg**
Chemoprevention of Cancer

14th (1994) Allan H. Conney

1. Inhibitory Effects of Dietary Chemicals on Carcinogenesis
2. Pharmacological Implications of Microsomal Enzyme Induction

15th (1995) Peter K. Vogt

Transcriptional Control and Cancer

16th (1996) Alfred G. Knudson, Jr.

Hereditary Cancer

17th (1997) Inder M. Verma

Gene Therapy: Progress and Problems

18th (1998) Philip C. Hanawalt

DNA Repair and Human Genetic Disease

19th (1999) Harald zur Hausen

1. Virus-linked Carcinogenesis: a Wide Spectrum of Differnat Mechanistic Contributions
2. Pathogenesis of Papillomavirus-linked Human Cancers
3. Cancers of the Hematopoietic System: a Model for Cancer-causation by Infectious Agents?

20th (2000) Gerald N. Wogan

1. Genotoxicity of Nitric Oxide: Evidence from *in vitro* and *in vivo* Models
2. Aflatoxin as a Human Liver Carcinogen: a Paradigm for Molecular Epidemiology

21st (2001) Robert A. Weinberg

Genetic Rules Governing Human Cancer Cell Formation

22nd (2002) Curtis C. Harris

1. p53, Inflammation, and Cancer
2. Molecular Epidemiology of Human Cancer
3. Gene-environment Interactions of Cancer

23rd (2004) Kenneth Olden

Toxicogenomics: New Tools for Studying Pathways to Disease

24th (2004) Andrew C. von Eschenbach

The Future: a Time When No One Suffers or Dies from Cancer

25th (2005) Lawrence A. Loeb

1. Creation of Enzymes for Biochemistry in Cancer Gene Therapy
2. Mutator Phenotype in Cancer
3. Mutations in Cancer and Aging

26th (2006) Steven R. Tannenbaum

The Role of Nitric Oxide in the Pathophysiology of Cancer

27th (2007) Mary-Claire King

Genomic Analysis of Inherited Breast and Ovarian Cancer

28th (2008) Mary J. C. Hendrix

Reprogramming Metastatic Tumor Cells with an Embryonic Microenvironment: Convergence of Embryonic and Tumorigenic Signaling Pathways

29th (2009) Jan-Åke Gustafsson

Nuclear Receptors and Cancer

30th (2010) Charles L. Sawyers

Overcoming Resistance to Targeted Cancer Therapies

31st (2011) **Thomas A. Kunkel**
DNA Replication Infidelity and Cancer

32nd (2012) **Rudolf Jaenisch**
Stem Cells, Pluripotency and Nuclear Reprogramming

33rd (2013) **Stephen B. Baylin**
Exploring the Cancer Epigenome - Biology Insights and Translational Potential

34th (2014) **Arthur P. Grollman**
Mutational Signature of Aristolochic Acid as a Biomarker for Human Cancer: Harbinger of an Environmental and Global Disease

35th (2015) **Rakesh K. Jain**
Reengineering the Tumor Microenvironment to Improve Cancer Treatment: Bench to Bedside

36th (2016) **Tak W. Mak**
Future Anti-cancer Target: Put the Cart before the Horses

37th (2017) **Hans Clevers**
Stem Cell-grown Organoids as Models for Human Disease

38th (2019) **Lewis C. Cantley**
PI 3-Kinase and Human Diseases

39th (2019) **Elaine Fuchs**
1.Skin Stem Cells: Coping with Stress, Inflammation and Cancer
2.Skin Stem Cells in Fitness and in Health
3.Stem Cells in Silence, Action and Cancer