

# PRINCESS TAKAMATSU CANCER RESEARCH FUND

## PRINCESS TAKAMATSU CANCER RESEARCH FUND PRIZES

- 1st (1968) Masaru Kuru**  
Studies of Premalignant Changes in Gastric Cancer
- Waro Nakahara**  
Discovery of Toxohormone and a Carcinogenic Property of 4-nitroquinoline N-oxide
- 2nd (1969) Takashi Sugimura**  
Experimental Induction of Gastric Cancer
- 3rd (1970) Takeo Kakunaga, Juntaro Kamahora, Toshio Kuroki and Haruo Sato**  
*In vitro* Carcinogenesis in Hamster Cells Using 4-nitroquinoline N-oxide
- 4th (1974) Mitsuru Furusawa, Motoo Hozumi, Yasuo Ichikawa, Yoji Ikawa and Haruo Sugano**  
Redifferentiation of Leukemia Cells
- 5th (1975) Hiroto Shimojo and Kumao Toyoshima**  
Analysis of the Carcinogenesis of Mutant Strains of Tumor Virus
- 6th (1976) Sajiro Makino**  
Chromosome Analysis and Cancer Cells
- Hamao Umezawa**  
Secondary Metabolites of Microorganisms and Cancer
- 7th (1977) Hiroshi Hasegawa**  
Surgery for Hepatic Carcinoma
- 8th (1978) Yuichi Yamamura**  
Biochemistry of Cancer Hosts and Cell Interactions
- 9th (1979) Shigeto Ikeda**  
Development of the Bronchoscope for Lung Cancer
- Yorio Hinuma and Shiro Kato**  
Herpes Virus and Cancer
- 10th (1980) Iwao Hirono, Takashi Kawachi, Taijiro Matsushima, Minako Nagao, Shigeyoshi Odashima and Shozo Takayama**  
Naturally Occurring Carcinogens
- 11th (1981) Hirota Fujiki and Sohei Kondo**  
Initiators and Promoters in Carcinogenesis
- 12th (1982) Ryo Sato**  
Discovery of Cytochrome P-450
- Ryuichi Kato**  
Pharmacology and Cytochrome P-450
- 13th (1983) Yorio Hinuma, Isao Miyoshi, Kiyoshi Takatsuki and Mitsuaki Yoshida**  
Etiology and Molecular Biology of Adult T-cell Leukemia
- 14th (1984) Yoshiyuki Hashimoto, Nobuyuki Ito, Tadao Kakizoe, Masashi Okada and Osamu Yoshida**  
Experimental Bladder Cancer

- 15th (1985) Yukio Shimosato**  
Pathology and Biology of Human Lung Cancer
- 16th (1986) Kenichi Matsubara, Masaaki Terada and Tadashi Yamamoto**  
Molecular Biological Studies on Novel Oncogenes
- 17th (1987) Tamaki Kajitani and Keiichi Suemasu**  
Contribution to the Improvement of Surgical Treatment for Cancer
- 18th (1988) Toju Hata and Shigetoshi Wakaki**  
Studies on Anti-cancer Agent Mitomycin
- Prize of the Princess Takamatsu Cancer Research Fund for Special Occasion of the 20th Anniversary (1988)**  
**Susumu Nishimura, Eiko Ohtsuka and Sung-Hou Kim**  
Determination of Three-dimensional Structure of c-Ha-*ras* Oncogene Product, P21 Protein
- 19th (1989) Keishi Matsumoto**  
Molecular Mechanisms Involved in Sex Hormone-induced Growth of Cancer Cells
- Sadaaki Kawai**  
Genetic and Molecular Biology of Avian Retroviruses
- 20th (1990) Yoshio Sakurai and Takashi Tsuruo**  
Molecular Mechanisms of Anti-cancer Drug Resistance in Cells and Implications of Therapy
- Toshio Takahashi**  
Improved End-results among Cancer Patients Using Selective Cancer Treatments
- 21st (1991) Akira Ichihara and Toshikazu Nakamura**  
Hepatocyte Growth Factor in Relation to Liver Regeneration and Carcinogenesis
- Mitsuyuki Abe and Yoichiro Umegaki**  
Contribution to Development in the Field of Radiation Therapy, Including Direct View Intraoperative Irradiation
- 22nd (1992) Yusuke Nakamura, Makoto Noda, Mitsuo Oshimura, Takao Sekiya and Jun Yokota**  
New Approaches to Studies on Tumor-suppressor Genes in Cancers
- Tetsuichiro Muto and Kyosuke Ushio**  
Natural History of Colorectal Cancer and Its Clinical Significance
- 23rd (1993) Yoshiaki Ito and Misao Ohki**  
The Gene and Its Product Responsible for Acute Myelocytic Leukemia with T(8:21)
- Hikoo Shirakabe and Heizaburo Ichikawa**  
Development of Double Contrast Radiography for Gastrointestinal Cancers
- 24th (1994) Masatoshi Takeichi, Setsuo Hirohashi and Shoichiro Tsukita**  
Discovery of Cadherin-catenin System for Cell Adhesion and Its Abnormality in Cancer
- Isaburo Fujimoto and Aya Hanai**  
Establishment of Population based Cancer Registry and Its Use for Epidemiological Studies on Cancer
- 25th (1995) Tadatsugu Taniguchi**  
Interferon Regulatory Factors and Molecular Mechanism of Carcinogenesis
- Kazuyuki Ishihara**  
Treatment of Melanoma among Japanese

- 26th (1996) Hiroshi Maeda**  
Tumor Selective Drug Targeting with Macromolecular Anticancer Agents  
**Tsuguo Naruke**  
The Improvement of Survival and Quality of Life in Lung Cancer Patients
- 27th (1997) Shigekazu Nagata and Shin Yonehara**  
Discovery of Fas Antigen and Elucidation of Molecular Mechanism of Apoptosis  
**Yuji Nimura**  
Establishment of Radical Operation for Hilar Cholangiocarcinoma
- 28th (1998) Yukihiko Kitamura**  
Role of *C-kit* in Growth, Differentiation and Malignancy of Mast Cells and Interstitial Cells of Cajal  
**Satoshi Ebihara**  
Development of Surgical Treatment with Preservation of Function for Head and Neck Cancers
- 29th (1999) Kohei Miyazono**  
Mechanisms of Cell Growth Regulation and Transformation by TGF- $\beta$   
**Ken Yamaguchi**  
Development of Tumor Marker "ProGRP" for Small Cell Lung Carcinoma
- 30th (2000) Yoichi Konishi**  
Studies on Experimental Pancreatic Cancer  
**Masanori Shimoyama**  
Contribution to the Establishment of High-quality Clinical Cancer Chemotherapy
- 31st (2001) Yoichi Taya**  
The Biological Significance of Phosphorylation of the Tumor Suppressor RB Protein and p53  
**Kazuo Tajima, Shigeo Hino and Shunro Sonoda**  
Prevention of Mother-to-Child Transmission of Adult T-cell Leukemia Virus (HTLV-1) by Avoiding Breast Feeding
- 32nd (2002) Okio Hiono**  
Molecular Mechanism of Hereditary Rat Renal Cancer  
**Tetsuhiko Shirasaka**  
A Novel Cancer Chemotherapy by Biochemical Modulation of 5-Fluorouracil
- 33rd (2003) Shizuo Akira**  
Roles of Toll-like Receptors in Cancer Immunotherapy  
**Akihiro Kaneko**  
Eye-preservation Therapy for Ophthalmic Malignant Tumors
- 34th (2004) Yoshiro Niitsu, Hideki Mori and Keiji Wakabayashi**  
The Studies of Colon Cancer Causative and Preventive Agents  
**Yasuo Hirao and Hirohiko Tsujii**  
Development of Heavy Iron Therapy Facility for Cancer Treatment and Its Clinical Application
- 35th (2005) Tetsuya Kamataki and Yoshiaki Fujii**  
Role of Cytochrome P450 in Chemical Carcinogenesis and Its Gene Regulation  
**Noriyuki Moriyama**  
The Studies of Development of Helical Computed Tomography

- 36th (2006) Hiroyasu Esumi**  
Discovery of Novel Anti-cancer Agents Focusing on Cancer Cell Adaptation to Oxygen and Nutrient Deprived Microenvironment
- Masae Tatematsu and Fumihiro Hirayama**  
Experimental Studies on Gastric Carcinogenesis and Prevention using *Helicobacter Pylori* Infected Mongolian Gerbils
- 37th (2007) Masabumi Shibuya**  
Isolation of Angiogenic Factor Receptor and Research on the Molecular Basis of Tumor Growth and Metastasis
- Kazumasa Miki**  
Development of the Effective Gastric Cancer Screening System Using the Serum Pepsinogen Level
- 38th (2008) Akira Nakagawara**  
Unveiling Molecular Mechanisms of Carcinogenesis, Aggressive Behavior and Spontaneous Regression as Well as Construction of Novel Systems for Predicting Prognosis in Neuroblastoma
- Naomi Uemura and Masahiro Asaka**  
A Study on Prevention of Secondary Gastric Cancer by Eradication of *Helicobacter Pylori*
- 39th (2009) Hiroyuki Mano**  
Discovery and Clinical Application of a Novel Lung Cancer Oncogene
- Hisao Tajiri and Manabu Muto**  
Innovative Development of Endoscopic Technology for Diagnosis of Early Cancer and Clinical Research
- 40th (2010) Hiroyuki Tsuda and Tomoyuki Shirai**  
Transgenic Rat Models for Prevention, Early Diagnosis and Treatment of Pancreatic and Prostate Cancer
- Haruo Sugiyama**  
Development of a Clinical Test for the Detection of Minimal Residual Disease of Leukemia with High Sensitivity
- 41st (2011) Tohru Tokunaga**  
Studies on Anti-tumor Activities of Single-stranded DNA Having CG-motifs
- Ryuzo Ueda**  
Translational Research of Anti-CCR4 Antibody Therapy for Adult T-cell Leukemia/Lymphoma
- 42nd (2012) Yoshinori Murakami**  
Analysis of a Novel Signaling Cascade Involved in Cell Adhesion and Tumor Progression
- Masaki Mori**  
Cancer Stem Cell Research of Digestive Organs
- 43rd (2013) Motoharu Seiki**  
Discovery and Ingenious Study of a Membrane Protease MT1-MMP in Cancer
- Mitsuru Sasako**  
Clinical Studies in Surgical Oncology and Establishment of Standard Surgery for Gastric Cancer in Europe

- 44th (2014) Hikoya Hayatsu**  
Discovery of Bisufite-mediated Deamination of Cytosine, the Reaction Essential for Determining the Sites of 5-methylcytosines in the Sequencing of Epigenomes
- Shoichiro Tsugane**  
Providing Evidence from a Large-scale Cohort Study and Proposing Cancer Prevention Methods for Japanese
- 45th (2015) Seigo Kitano**  
Prospective Multi-center Trials for Laparoscopic Gastrointestinal Cancer Treatments
- Kunitada Shimotohno**  
Prevention of Chronic Hepatitis and Hepatic Cancer Caused by HCV Infection
- 46th (2016) Seishi Ogawa**  
Studies on the Molecular Basis of Myelodysplastic Syndromes
- Minoru Yoshida**  
Chemical Biology on Cancer Therapy Targeting Regulatory Molecules of Epigenetics
- 47th (2017) Kazunori Kataoka**  
Creation of Polymeric Micellar-type Delivery Systems of Anti-cancer Drugs for Clinical Application
- Toshiyuki Sakai**  
Discovery of a First-in-class MEK Inhibitor Trametinib
- 48th (2018) Toshikazu Ushijima**  
Epigenetic Field Cancerization-from Its Concept toward Clinical Translation
- Tomoki Todo**  
Clinical Development of Oncolytic Virus Therapy Using Genetically Engineered Herpes Virus
- 49th (2019) Takahiro Ochiya**  
Early Detection of Cancer by Circulating microRNAs
- Masahide Takahashi**  
Discovery of Girdin family proteins and their roles in cancer invasion and metastasis
- 50th(2020) Hara Eiji**  
Roles and mechanism of cellular senescence in the control of carcinogenesis
- Kengo Takeuchi**  
Discovery of fusion kinase genes and development of diagnostic tools based on immunohistopathology→Discovery of fusion kinase genes through histopathology and its application in cancer diagnosis
- 51st(2021) Tatsuhiko Shibata**  
Comprehensive genomic analyses of intractable gastrointestinal cancers towards precise diagnosis, treatment, and prevention
- Masanori Hatakeyama**  
Elucidation of molecular mechanisms underlying gastric carcinogenesis mediated by the Helicobacter pylori oncoprotein CagA

**52nd(2022) Hiroyoshi Nishikawa**

Elucidation of immunosuppressive mechanisms in the tumor  
microenvironment and clinical application

**Yosuke Uchitomi**

Development of Supportive, Palliative, and Psychosocial Care for Cancer Distress