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VOLUME LXX

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Symposium Participants

- ABATE-SHEN, CORY, Dept. of Medicine, UMDNJ-Robert Wood Johnson Medical School, Piscataway, New Jersey
- ABURATANI, HIROYUKI, Lab. for Systems Biology and Medicine, University of Tokyo, Tokyo, Japan
- ACKERMAN, ANN
- ADAMS, DAVID, Dept. of Informatics, The Wellcome Trust Sanger Institute, Hinxton, Cambridge, United Kingdom
- ADAMS, JERRY, Molecular Genetics of Cancer, Walter and Eliza Hall Institute of Medical Research, Melbourne, Victoria, Australia
- AIKHIONBARE, FELIX, Dept. of Medicine, Morehouse School of Medicine, Atlanta, Georgia
- AL-HAJJ, MUHAMMAD, Oncology Disease Area, Novartis Institutes for BioMedical Research, Cambridge, Massachusetts
- ALBERTS, BRUCE, Dept. of Biochemistry and Biophysics, University of California, San Francisco
- ALLIO, THERESA, Dept. of Mouse Genome Informatics, The Jackson Laboratory, Bar Harbor, Maine
- ALLISON, JAMES, Immunology Program, Howard Hughes Medical Institute, Memorial Sloan-Kettering Cancer Center, New York, New York
- AMARIGLIO, NINETTE, Dept. of Pediatric Hematology and Oncology, Chaim Sheba Medical Center, Tel Hashomer, Israel
- AMSON, ROBERT, Dept. of Cancer Research, Molecular Engines Laboratories, Paris, France
- ANDL, CLAUDIA, Dept. of Medicine and Genetics, University of Pennsylvania, Philadelphia
- ANN, DAVID, Dept. of Molecular Pharmacology and Toxicology, University of Southern California, Los Angeles, California
- ANTONOVA, LILIA, Dept. of Pathology and Molecular Medicine, Queen's University, Kingston, Ontario, Canada
- ARAI, YOSHIO, Dept. of Radiation Oncology, Veteran's Administration Medical Center, University of Pittsburgh, Pittsburgh, Pennsylvania
- ARMANIOS, MARY, Dept. of Oncology, Johns Hopkins University School of Medicine, Baltimore, Maryland
- ARNONE, MARC, Dept. of Oncology Biology, Glaxo-SmithKline, Collegeville, Pennsylvania
- ARVA, NICOLETA, Dept. of Biology, Hunter College, City University of New York, New York
- ASHKENAZI, AVI, Dept. of Molecular Oncology, Genentech, Inc., South San Francisco, California
- ASHWORTH, ALAN, The Breakthrough Breast Cancer Research Centre, Chester Beatty Laboratories, Institute of Cancer Research, London, United Kingdom
- ATTAR, RICHARDO, Dept. of Oncology Drug Discovery, Bristol-Myers Squibb, Princeton, New Jersey
- ATTARDI, LAURA, Dept. of Radiation Oncology, Stanford University, Stanford, California
- AUBIN, REMY, Div. of Cell and Molecular Biology, Health Products and Food Biologicals Branch, Centre for Biologics Research, Health Canada, Ottawa, Ontario, Canada
- AUSTIN, RICK, Dept. of Biology, Amgen, Inc., South San Francisco, California
- BADER, ANDREAS, Dept. of Molecular and Experimental Medicine, The Scripps Research Institute, La Jolla, California
- BAGCHI, ANINDYA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- BAKIN, ANDREI, Dept. of Cancer Genetics, Roswell Park Cancer Institute, Buffalo, New York
- BALLESTEROS, ANITA, *Cancer Cell*, Cell Press, Cambridge, Massachusetts
- BANSAL, SANJAY, Dept. of Pharmacology and Therapeutics, Roswell Park Cancer Institute, Buffalo, New York
- BARBACID, MARIANO, Centro Nacional de investigaciones Oncologicas, Madrid, Spain
- BARGONETTI, JILL, Dept. of Biological Sciences, Hunter College, City University of New York, New York
- BARNHART, BRYAN, Dept. of Cancer Biology, University of Pennsylvania, Philadelphia
- BAYLIN, STEPHEN, Oncology Center, Johns Hopkins University School of Medicine, Baltimore, Maryland
- BEACHY, PHILIP, Dept. of Molecular Biology and Genetics, Johns Hopkins University School of Medicine, Baltimore, Maryland
- BENEZRA, ROBERT, Dept. of Cell Biology, Memorial Sloan-Kettering Cancer Center, New York, New York
- BENTIVEGNA, STEVEN, Dept. of Pharmacogenomics, Pfizer, Inc., Groton, Connecticut
- BENTON, GEOFFREY, Dept. of Pathology, University of California, San Francisco
- BENVENUTI, SILVIA, The Oncogenomics Center, Institute for Cancer Research and Treatment, Candiolo, Torino, Italy
- BENZINGER, ANNE, Dept. of Molecular Oncology, Max-Planck-Institute for Biochemistry, Martinsried, Germany
- BERBERICH, MATTHEW, Dept. of Molecular Biophysics and Biochemistry, Yale University, New Haven, Connecticut
- BERNARDS, RENÉ, Dept. of Molecular Carcinogenesis, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- BERNS, ANTON, Dept. of Molecular Genetics, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- BEVERLY, LEVI, Dept. of Molecular and Cellular Oncogenesis, The Wistar Institute, Philadelphia, Pennsylvania

- BIHANI, TEERU, Dept. of Molecular Pharmacology and Cancer Therapeutics, Roswell Park Cancer Institute, Buffalo, New York
- BILLOTTET, CLOTILDE, Dept. of Cell Signalling, Ludwig Institute for Cancer Research, London, United Kingdom
- BISHOP, J. MICHAEL, Dept. of Microbiology, University of California, San Francisco
- BISSELL, MINA, Div. of Life Sciences, Lawrence Berkeley National Laboratory, Berkeley, California
- BITTINGER, MARK, Dept. of Target Support and Validation, Merck Research Laboratories, Boston, Massachusetts
- BLANK, JUTTA, Dept. of Discovery Technologies, Novartis Institutes for BioMedical Research, Basel, Switzerland
- BLUME-JENSEN, PETER, Dept. of Molecular Oncology, Merck Research Laboratories, Boston, Massachusetts
- BOMMI-REDDY, ARCHANA, Dept. of Medical Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- BORZILLO, GARY, Dept. of Cancer Biology, Pfizer, Inc., Groton, Connecticut
- BRACHMANN, SASKIA, Dept. of Medical Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- BRADY, MARK, Dept. of Surgery and Oncology, University of Liverpool, Liverpool, United Kingdom
- BRAHMBHATT, HIMANSHU, Dept. of Cancer Research, EnGeneIC Pty, Ltd., Sydney, New South Wales, Australia
- BRENNER, SYDNEY, The Salk Institute for Biological Studies, La Jolla, California
- BRISEWITZ, ROGER, Dept. of Pharmacology, Ohio State University, Columbus, Ohio
- BRUGGE, JOAN, Dept. of Cell Biology, Harvard Medical School, Boston, Massachusetts
- BRUMMER, TILMAN, Cancer Research Program, Garvan Institute of Medical Research, Darlinghurst, Sydney, New South Wales, Australia
- BURGESS, DARREN, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- BURNS, ALEXANDER, Metabolic Diseases Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, Maryland
- BUTT, ALISON, Cancer Research Program, Garvan Institute of Medical Research, Darlinghurst, Sydney, New South Wales, Australia
- CAI, WEI-WEN, Dept. of Molecular and Human Genetics, Baylor College of Medicine, Houston, Texas
- CAMPBELL, ROBERT, Dept. of Scientific Computing, Serono Research Institute, Rockland, Massachusetts
- CAMPISI, JUDITH, Div. of Life Sciences, Lawrence Berkeley National Laboratory, Berkeley, California
- CAO, LIU, Genetics of Development and Diseases Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, Maryland
- CAPOBIANCO, ANTHONY, Dept. of Molecular and Cellular Oncogenesis, The Wistar Institute, Philadelphia, Pennsylvania
- CAPUTTO, BEATRIZ, Dept. of Biological Chemistry, CIQUIBIC, National University of Córdoba, Córdoba, Argentina
- CARMANY, GEORGE
- CARRIERE, CATHERINE, Dept. of Medicine, Dartmouth Medical School, Lebanon, New Hampshire
- CHAN, KELVIN, Dept. of Obstetrics and Gynecology, University of Hong Kong, Hong Kong
- CHEN, EMILY, Dept. of Cell Biology, The Scripps Research Institute, La Jolla, California
- CHEUNG, ANN, Center for Cancer Research, Massachusetts Institute of Technology, Cambridge, Massachusetts
- CHODANKAR, RAJAS, Prostate Cancer Center, Cedars-Sinai Medical Center, Los Angeles, California
- CHONG, SHAORONG, Dept. of Research, New England BioLabs, Inc., Beverly, Massachusetts
- CHOU, CHEN-KUNG, Dept. of Life Science, Chang Gung University, Tao-Yuan, Taiwan, Republic of China
- COCHRAN, ANDREA, Dept. of Protein Engineering, Genentech, Inc., South San Francisco, California
- COCHRAN, BRENT, Dept. of Physiology, Tufts University School of Medicine, Boston, Massachusetts
- COLLIER, LARA, Dept. of Genetics, Cell Biology and Development, Cancer Center, University of Minnesota, Minneapolis
- COMB, MICHAEL, President, Cell Signaling Technology, Beverly, Massachusetts
- CONNELL, LAUREEN, *Genes & Development*, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York
- COOMBER, DAVID, Institute of Molecular and Cellular Biology, Proteos, Singapore
- COOPMAN, PETER, Unité Mixte de Recherche, Centre National de la Recherche Scientifique, University of Montpellier, Montpellier, France
- COQUERET, OLIVER, Cancer Center Paul Papin, INSERM, Angers, France
- CORMIER, CATHERINE, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- COURTNEIDGE, SARA, Cell Adhesion and Extracellular Matrix Program, The Burnham Institute, La Jolla, California
- COVELLO, KELLY, Dept. of Cell and Developmental Biology, University of Pennsylvania, Philadelphia
- CRAWFORD, SARAH, Dept. of Biology, Southern Connecticut State University, New Haven, Connecticut
- CRAWFORD, YONGPING, Dept. of Angiogenesis Research, Genentech, Inc., South San Francisco, California
- CULLINAN, EMILY, Dept. of Oncology, Lexicon Genetics, Inc., The Woodlands, Texas
- CURTIS, DANIEL, Dept. of Developmental and Molecular Pathways, Novartis Institutes for BioMedical Research, Cambridge, Massachusetts
- DACKOUR, RADUWAN, Dept. of Otolaryngology, Long Island Jewish Medical Center, New Hyde Park, New York
- DAI, CHENGKAI, Whitehead Institute for Biomedical Research, Cambridge, Massachusetts
- DAKIC, ALEKSANDAR, Dept. of Immunology, Walter and Eliza Hall Institute of Medical Research, Parkville, Victoria, Australia
- DANKORT, DAVID, Cancer Research Institute, Comprehensive Cancer Center, University of California, San Francisco
- DAS, BIKUL, Dept. of Hematology and Oncology, Hospital for Sick Children, Toronto, Ontario, Canada
- DE LANGE, TITIA, Dept. of Cell Biology and Genetics, Rockefeller University, New York, New York
- DEPINHO, RONALD, Dept. of Medical Oncology, Dana-

SYMPOSIUM PARTICIPANTS

vii

- Farber Cancer Institute, Boston, Massachusetts
- DE SAUVAGE, FREDERIC, Dept. of Molecular Oncology, Genentech, Inc., South San Francisco, California
- DEY, ANWESHA, Institute of Molecular and Cell Biology, Proteos, Singapore
- DICKINS, ROSS, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- DILLIN, ANDREW, Lab. of Molecular and Cell Biology, The Salk Institute for Biological Studies, La Jolla, California
- DI MARCOTULLIO, LUCIA, Dept. of Experimental Medicine and Pathology, University La Sapienza, Rome, Italy
- DRAETTA, GIULIO, Dept. of Cancer Research, Merck Research Laboratories, Boston, Massachusetts
- DRAGESET, VILDE, Dept. of Genetics, The Norwegian Radium Hospital, Oslo, Norway
- DU, YI-CHIEH NANCY, Dept. of Cancer Biology and Genetics, Memorial Sloan-Kettering Cancer Center, New York, New York
- DUAN, ZHENFENG, Dept. of Hematology and Oncology, Massachusetts General Hospital, Boston, Massachusetts
- EBERT, JOAN, Cold Spring Harbor Laboratory Press, Woodbury, New York
- EILERS, MARTIN, Institute of Molecular Biology and Tumor Research, University of Marburg, Marburg, Germany
- EINBOND, LINDA, Dept. of Rehabilitation Medicine, Columbia University, New York, New York
- EISENMAN, ROBERT, Div. of Basic Sciences, Fred Hutchinson Cancer Research Center, Seattle, Washington
- ELLEDGE, STEPHEN, Dept. of Genetics, Harvard Medical School, Boston, Massachusetts
- EMERY, CAROLINE, Dept. of Medical Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- ENOMOTO, TAKEHARU, Lineberger Comprehensive Cancer Center, University of North Carolina, Chapel Hill
- EPPING, MIRJAM, Dept. of Molecular Carcinogenesis, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- EPSTEIN, CHARLES, Cambridge Genomics Center, Sanofi-Aventis, Cambridge, Massachusetts
- ERDMANN, DIRK, Dept. of Oncology, Novartis Pharma AG, Basel, Switzerland
- ERNKVIST, MIRA, Dept. of Oncology and Pathology, Karolinska Institute, Stockholm, Sweden
- EVAN, GERARD, Dept. of Cellular and Molecular Pharmacology, Cancer Research Institute, Comprehensive Cancer Center, University of California, San Francisco
- FAGA, GIOVANNI, Dept. of Experimental Oncology, European Institute of Oncology, Milan, Italy
- FAN, HUNG, Dept. of Molecular Biology and Biochemistry, Cancer Research Institute, University of California, Irvine
- FEINBERG, ANDREW, Epigenetics Unit, Johns Hopkins University School of Medicine, Baltimore, Maryland
- FERBEYRE, GERARDO, Dept. of Biochemistry, Université de Montréal, Montréal, Québec, Canada
- FERO, MATTHEW, Div. of Clinical Research, Fred Hutchinson Cancer Research Center, Seattle, Washington
- FLANNERY, ANGELA, Dept. of Genetic Research and Development, AstraZeneca, Macclesfield, United Kingdom
- FLAVELL, MADLYN, Guilford, Connecticut
- FLAVELL, RICHARD, Dept. of Immunobiology, Yale University School of Medicine, New Haven, Connecticut
- FOLKMAN, JUDAH, Dept. of Surgery, Children's Hospital, Harvard Medical School, Boston, Massachusetts
- FOREMAN, KENNETH, Dept. of Cancer Chemistry, OSI Pharmaceuticals, Inc., Farmingdale, New York
- FOURNIER, ALAINE, Dept. of Pharmacology, University of Pennsylvania, Philadelphia
- FRIDMAN, JORDAN, Dept. of Preclinical Biology, Incyte Corporation, Wilmington, Delaware
- FRIEDMAN, LORI, Dept. of Research, Genentech, Inc., South San Francisco, California
- FRIEND, STEPHEN, Dept. of Molecular Profiling and Cancer Research, Merck Research Laboratories, West Point, Pennsylvania
- FUTREAL, ANDREW, Cancer Genome Project, The Wellcome Trust Sanger Institute, Hinxton, Cambridge, United Kingdom
- GALAKTIONOV, KONSTANTIN, Dept. of Molecular and Human Genetics, Baylor College of Medicine, Houston, Texas
- GALLOWAY, DENISE, Dept. of Cancer Biology, Fred Hutchinson Cancer Research Center, Seattle, Washington
- GANN, ALEXANDER, Cold Spring Harbor Laboratory Press, Woodbury, New York
- GANN, LILIAN, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- GAO, ZHIJIAN, Dept. of Hematology and Oncology, Massachusetts General Hospital, Boston, Massachusetts
- GAO, HUI, Biosciences NOVUM, Karolinska Institute, Huddinge, Sweden
- GARY, SYDNEY, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- GEIGER, THOMAS, Dept. of Molecular Genetics, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- GERHARD, DANIELA, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- GIBSON, NEIL, Dept. of Research, OSI Pharmaceuticals, Inc., Farmingdale, New York
- GIL, GERMAN, Dept. of Pediatrics, Robert Wood Johnson Medical School, Cancer Institute of New Jersey, New Brunswick, New Jersey
- GIL, JESUS, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- GIRNUN, GEOFFREY, Dept. of Cancer Biology, Dana-Farber Cancer Institute, Harvard Medical School, Boston, Massachusetts
- GODBOLE, MADAN, Dept. of Endocrinology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India
- GOELET, PHILLIP, Road to the Cure, San Diego, California
- GOLDBERG, ITZHAK, Dept. of Radiation Oncology, Long Island Jewish Medical Center, New Hyde Park, New York
- GONZALEZ, MICHAEL, Medical Research Council Cancer Cell Unit, Hutchison/MRC Research Centre, Cambridge, United Kingdom
- GORDAN, JOHN, Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia, Pennsylvania
- GOROVITS, NAIRA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- GORRINI, CHIARA, Dept. of Experimental Oncology,

- European Institute of Oncology, Milan, Italy
- GRADI, ALESSANDRA, Dept. of Molecular Oncogenesis, Regina Elena Cancer Institute, Rome, Italy
- GRAEBER, THOMAS, Dept. of Molecular and Medical Pharmacology, University of California, Los Angeles
- GRAHAM, ROBERT, Victor Chang Cardiac Research Institute, Darlinghurst, Sydney, Australia
- GRAUSENBURGER, REINHARD, Dept. of Medical Biochemistry, Medical University of Vienna, Vienna, Austria
- GRAY, JOE, Lawrence Berkeley National Laboratory, Berkeley, California and University of California, San Francisco
- GREIDER, CAROL, Dept. of Molecular Biology and Genetics, Johns Hopkins University School of Medicine, Baltimore, Maryland
- GROSSEL, MARTHA, Dept. of Zoology, Connecticut College, New London, Connecticut
- GRUBER, MICHAELA, Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia
- GRUBOR, VLADIMIR, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- GRUENEBERG, DORRE, RNAi Consortium, Broad Institute, Massachusetts Institute of Technology, Cambridge, Massachusetts
- GUARDIOLA-SERRANO, FRANCISCA, Dept. of Molecular Hematology, University of Frankfurt Medical School, Frankfurt am Main, Germany
- GUO, BING, Dept. of Oncology Research, Wyeth, Pearl River, New York
- GUO, AILAN, Dept. of Research, Cell Signaling Technology, Beverly, Massachusetts
- GUPTA, PIYUSH, Dept. of Biology, Whitehead Institute for Biomedical Research, Massachusetts Institute of Technology, Cambridge, Massachusetts
- HA, TAEKJIP, Dept. of Physics, University of Illinois, Urbana
- HABER, DANIEL, Cancer Center, Massachusetts General Hospital, Charlestown, Massachusetts
- HABIB, TANIA, Dept. of Comparative Medicine, University of Washington, Seattle
- HAGEMEIER, CHRISTIAN, Children's Hospital, Charité, Humboldt-University, Berlin, Germany
- HAHN, MEINHARD, Dept. of Molecular Genetics, German Cancer Research Center, Heidelberg, Germany
- HALEY, JOHN, Dept. of Translational Research, OSI Pharmaceuticals, Inc., Farmingdale, New York
- HALL, MARK, Dept. of Biochemistry, St. Jude Children's Research Hospital, Memphis, Tennessee
- HALL, IRA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- HAMLIN, JOYCE, Dept. of Biochemistry and Molecular Genetics, School of Medicine, University of Virginia, Charlottesville
- HAN, TAE-HEE, Dept. of Molecular Cell Biology, Sungkyunkwan University School of Medicine, Suwon, South Korea
- HANAHAN, DOUGLAS, Dept. of Biochemistry and Biophysics, University of California, San Francisco
- HANNON, GREGORY, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- HARLOW, ED, Dept. of Biological Chemistry and Molecular Pharmacology, Harvard University School of Medicine, Boston, Massachusetts
- HARRIS, CRAFFORD, Dept. of Drug Discovery, R.W. Johnson Pharmaceutical Research Institute, Raritan, New Jersey
- HE, LIN, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- HEMANN, MICHAEL, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- HERBERT, TASINO, Dept. of Biology, Southern Connecticut State University, New Haven, Connecticut
- HERGOVICH LISZTAN, JOANNA, Novartis Pharma AG, Basel, Switzerland
- HERMAN, JAMES, Bunting Blaustern Cancer Research Center, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine, Baltimore, Maryland
- HERMEKING, HEIKO, Dept. of Molecular Oncology, Max-Planck-Institute for Biochemistry, Martinsried, Germany
- HERSCHKOWITZ, JASON, Dept. of Genetics and Molecular Biology, University of North Carolina, Chapel Hill
- HEUER, TIMOTHY, Dept. of Cellular Pharmacology, Exelixis, Inc., South San Francisco, California
- HICKEY, MICHELE, Dept. of Cell and Molecular Biology, University of Pennsylvania, Philadelphia
- HICKS, JAMES, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- HILL, REGINALD, Dept. of Genetics, Lineberger Comprehensive Cancer Center, University of North Carolina, Chapel Hill
- HILLAN, KENNETH, Dept. of Research, Genentech, Inc., South San Francisco, California
- HIPPO, YOSHITAKA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- HOFFMANN, INGRID, Dept. of Cell Cycle Control and Carcinogenesis, German Cancer Research Center, Heidelberg, Germany
- HOHENADL, CHRISTINE, Research Institute of Virology and Biomedicine, University of Veterinary Medicine, Vienna, Austria
- HOLST, CHARLES, Dept. of Molecular Oncology, Genentech, Inc., South San Francisco, California
- HU, ZHIYUAN, Dept. of Genetics, Lineberger Comprehensive Cancer Center, University of North Carolina, Chapel Hill
- HUANG, CHI-YING, Dept. of Molecular and Genomic Medicine, National Health Research Institutes, Zhunan, Taiwan, Republic of China
- HUANG, FEI, Dept. of Oncology Biomarkers and Clinical Discovery Technology, Bristol-Myers Squibb, Princeton, New Jersey
- HUGHES, CHRISTINA, Dept. of Medical Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- IACOVIDES, DEMETRIS, Comprehensive Cancer Center, University of California, San Francisco
- IANARI, ALESSANDRA, Dept. of Experimental Medicine and Pathology, University La Sapienza, Rome, Italy
- IGGO, RICHARD, Dept. of Molecular Oncology, Swiss Institute for Experimental Cancer Research, Epalinges, Switzerland
- INGLIS, JOHN, Cold Spring Harbor Laboratory Press, Woodbury, New York
- ISHIDA, SEIKO, Dept. of Biochemistry, Comprehensive Cancer Center, University of California, San Francisco

SYMPOSIUM PARTICIPANTS

ix

- ISHOV, ALEXANDER, Dept. of Anatomy and Cell Biology, University of Florida, Gainesville
- ITO, YOSHIKI, RUNX Study Group, Institute of Molecular and Cell Biology, Proteos, Singapore
- ITOH, REINA, Dept. of Tumor Virology, Research Institute for Microbial Disease, Osaka University, Osaka, Japan
- IWAKUMA, TOMOO, Dept. of Molecular Genetics, M.D. Anderson Cancer Center, University of Texas, Houston
- IWATA, KENNETH, Dept. of Cancer Research, OSI Pharmaceuticals, Inc., Uniondale, New York
- JACKS, TYLER, Center For Cancer Research, Howard Hughes Medical Institute, Massachusetts Institute of Technology, Cambridge, Massachusetts
- JAKUBCZAK, JOHN, Pfizer Global Research and Development, Pfizer, Inc., Groton, Connecticut
- JANE-VALBUENA, JUDIT, Dept. of Medical Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- JAT, PAMIJIT, Dept. of Neurodegenerative Disease, Institute of Neurology, University College, London, United Kingdom
- JECHLINGER, MARTIN, Dept. of Cancer Biology and Genetics, Memorial Sloan-Kettering Cancer Center, New York, New York
- Ji, PENG, Dept. of Developmental and Molecular Biology, Albert Einstein College of Medicine, Bronx, New York
- JOHNSON, LEISA, Dept. of Molecular Biology, Genentech, Inc., South San Francisco, California
- JOHNSON, MARK
- JOHNSON, TOM, Dept. of Radiation Oncology, Stanford University, Stanford, California
- JOUKOV, VLADIMIR, Dept. of Cancer Biology, Dana-Farber Cancer Institute, Boston, Massachusetts
- JOYCE, JOHANNA, Dept. of Cancer Biology and Genetics, Memorial Sloan-Kettering Cancer Center, New York, New York
- JUNTILA, MELISSA, Dept. of Medical Biochemistry, University of Turku, Turku, Finland
- KACZMAREK, LEONARD, Dept. of Pharmacology, Yale University School of Medicine, New Haven, Connecticut
- KAELIN, WILLIAM, Dept. of Adult Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- KAKUMOTO, KYOKO, Dept. of Molecular Oncology, Osaka Bioscience Institute, Osaka, Japan
- KALLURI, RAGHU, Dept. of Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts
- KALPANA, GANJAM, Dept. of Molecular Genetics, Albert Einstein College of Medicine, Bronx, New York
- KALRA, DEEPAK, Dept. of Cardiology, Children's Hospital, Harvard Medical School, Boston, Massachusetts
- KAMATA, TOHRU, Dept. of Molecular Biology and Biochemistry, Shinshu University School of Medicine, Matsumoto, Japan
- KAN, JULIE, Dept. of Cancer Biology, OSI Pharmaceuticals, Inc., Farmingdale, New York
- KANG, HYUNG-GYOO, Dept. of Pathology, Children's Hospital, University of Southern California, Los Angeles, California
- KANNIUS-JANSON, MARIE, Dept. of Cell and Molecular Biology, Gothenburg University, Gothenburg, Sweden
- KARLSEDER, JAN, Dept. of Regulatory Biology, The Salk Institute for Biological Studies, La Jolla, California
- KARRETH, FLORIAN, Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia
- KASTAN, MICHAEL, Dept. of Hematology and Oncology, St. Jude Children's Research Hospital, Memphis, Tennessee
- KENNY, PARAIC, Div. of Life Sciences, Lawrence Berkeley National Laboratory, Berkeley, California
- KIBERSTIS, PAULA, *Science*, American Association for the Advancement of Science, Washington, D.C.
- KIM, JIYOUNG, Dept. of Biochemistry, Tufts University School of Medicine, Boston, Massachusetts
- KIM, MARIANNE, Dept. of Medicine, Mount Sinai School of Medicine, New York, New York
- KING, MARY-CLAIRE, Div. of Medical Genetics, University of Washington, Seattle
- KIVIHARJU, TAIJA, Molecular Cancer Biology Program, University of Helsinki, Helsinki, Finland
- KIYOKAWA, ETSUKO, Dept. of Tumor Virology, Research Institute for Bacterial Diseases, University of Osaka, Osaka, Japan
- KOGISO, TOMOMI, International Medical Center of Japan, Tokyo, Japan
- KONDURI, SANTHI, Dept. of Pharmacology and Therapeutics, Roswell Park Cancer Institute, Buffalo, New York
- KOTANIDES, HELEN, Dept. of Molecular and Cell Biology, ImClone Systems, Inc., New York, New York
- KRUCHER, NANCY, Dept. of Biology, Pace University, Pleasantville, New York
- KUILMAN, THOMAS, Dept. of Molecular Genetics, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- KUMAR, CHANDRA, Dept. of Tumor Biology, Schering-Plough Research Institute, Kenilworth, New Jersey
- KURKI, SARI, Molecular Cancer Biology Program, University of Helsinki, Helsinki, Finland
- LADANYI, MARC, Dept. of Pathology, Memorial Sloan-Kettering Cancer Center, New York, New York
- LAMONTAGNE, KENNETH, Drug Discovery, Johnson and Johnson Pharmaceutical Research and Development, Raritan, New Jersey
- LANDER, ERIC, The Broad Institute, Massachusetts Institute of Technology, Cambridge, Massachusetts
- LANE, KEARA, Center for Cancer Research, Massachusetts Institute of Technology, Cambridge, Massachusetts
- LANE, DAVID, Executive Director, Institute of Molecular and Cell Biology, Proteos, Singapore
- LEE, CHANG WOO, Research Institute, National Cancer Center, Goyang, South Korea
- LEE, SOYOUNG, Dept. of Hematology and Oncology, Charité, Universitätsmedizin Berlin, Berlin, Germany
- LEES, JACQUELINE, Dept. of Biology, Center for Cancer Research, Massachusetts Institute of Technology, Cambridge, Massachusetts
- LEHMKUHL, KRISTINA, Dept. of Biological Sciences, Ohio University, Athens, Ohio
- LENG, MEI, Dept. of Biochemistry, Baylor College of Medicine, Houston, Texas
- LEPRINCE, DOMINIQUE, Lille Institute of Biology, Centre National de la Recherche Scientifique, Lille, France
- LETAI, ANTHONY, Dept. of Medical Oncology, Dana-

- Farber Cancer Institute, Boston, Massachusetts
- LEVINE, ARNOLD, School of Natural Sciences, Institute for Advanced Studies, Princeton, New Jersey
- LI, XINGNAN, Dept. of Cell Biology, University of Alabama, Birmingham
- LI, RONG, Dept. of Biochemistry and Molecular Genetics, University of Virginia, Charlottesville
- LIN, ATHENA, Dept. of Pharmacology and Therapeutics, Roswell Park Cancer Institute, Buffalo, New York
- LIN, LING, Metabolic Diseases Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, Maryland
- LINDEMANN, RALPH, Lab. of Gene Regulation, Cancer Immunology Program, Peter MacCallum Cancer Centre, East Melbourne, Victoria, Australia
- LIU, HUIPING, Ben May Institute for Cancer Research, University of Chicago, Chicago, Illinois
- LIU, JIANHONG, Dept. of Biology, MethylGene, Inc., Montréal, Québec, Canada
- LIU, KUN-HSIANG, Dept. of Genomics, Biomedical Engineering Center, Industrial Technology Research Institute, Hsinchu, Taiwan, Republic of China
- LIU, XIANGDONG, Dept. of Drug Discovery and Development, Incyte Corporation, Wilmington, Delaware
- LIU, XUESONG, Dept. of Cancer Research, Abbott Laboratories, Abbott Park, Illinois
- LIU, XUESONG, Dept. of Oncology, Lexicon Genetics, Inc., The Woodlands, Texas
- LIU, YING, Dept. of Cancer and Immunogenetics, Weatherall Institute of Molecular Medicine, J.R. Hospital, Oxford, United Kingdom
- LIU, ZHAOLI, Dept. of Cell Biology, University of Alabama, Birmingham
- LIVINGSTON, DAVID, Dept. of Cancer Biology, Dana-Farber Cancer Institute, Harvard School of Medicine, Boston, Massachusetts
- LOWE, SCOTT, Howard Hughes Medical Institute, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- LU, XIN, Dept. of Molecular Biology, Princeton University, Princeton, New Jersey
- LU, XIN, Lab. of Tumour Suppression, Ludwig Institute for Cancer Research, London, United Kingdom
- LUCIANI, GLORIA, Dept. of Internal Medicine, Medical University of Vienna, Vienna, Austria
- LUK, JOHN, Dept. of Surgery, University of Hong Kong, Hong Kong
- LYONS, JESSE, Comprehensive Cancer Center, University of California, San Francisco
- LÜSCHER, BERNHARD, Dept. of Biochemistry and Molecular Biology, RWTH University, Aachen, Germany
- MACDIARMID, JENNIFER, Dept. of Cancer Research, EnGeneIC Pty, Ltd., Sydney, New South Wales, Australia
- MACDONALD, GWEN, Dept. of Biochemistry, Cancer Research Institute, Queen's University, Kingston, Ontario, Canada
- MACLEOD, KAY, Ben May Institute for Cancer Research, University of Chicago, Chicago, Illinois
- MAJID, ANEELA, Toxicology Unit, Medical Research Council, Leicester, United Kingdom
- MAJUMDER, SADHAN, Dept. of Molecular Genetics, M.D. Anderson Cancer Center, University of Texas, Houston
- MARCUS, EMILIE, *Cell*, Cell Press, Cambridge, Massachusetts
- MARGALIT, OFER, Dept. of Pediatric Hematology and Oncology, Chaim Sheba Medical Center, Tel-Hashomer, Israel
- MARINE, JEAN-CHRISTOPHE, Lab. for Molecular Cancer Biology, Flanders Interuniversity Institute for Biotechnology, Ghent, Belgium
- MARKOVINA, STEPHANIE, Dept. of Medicine and Hematology, University of Wisconsin, Madison
- MARSHALL, DEBORAH, Dept. of Oncology Research, Centocor, Inc., Radnor, Pennsylvania
- MARTE, BARBARA, *Nature*, Nature Publishing Group, London, United Kingdom
- MARTIN, STEVEN, Dept. of Molecular and Cell Biology, University of California, Berkeley
- MARTINS, CARLA, Comprehensive Cancer Center, University of California, San Francisco
- MASSAGUÉ, JOAN, Dept. of Cell Biology, Genetics Program, Memorial Sloan-Kettering Cancer Center, New York, New York
- MASUDA, KAZUHIRO, BioFrontier Laboratories, Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan
- MATAPURKAR, ANAGHA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- MAZUREK, ANTHONY, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- MCCORMICK, FRANK, Cancer Research Institute, Comprehensive Cancer Center, University of California, San Francisco
- MCLEAN, ADELE, Dept. of Molecular Genetics, Institute of Biomedical and Life Sciences, University of Glasgow, Glasgow, Scotland, United Kingdom
- MCMAHON, MARTIN, Cancer Research Institute, Comprehensive Cancer Center, University of California, San Francisco
- MEANI, NATALIA, FIRC Institute of Molecular Oncology Foundation, European Institute of Oncology, Milan, Italy
- MEDICO, ENZO, Institute for Cancer Research and Treatment, University of Torino School of Medicine, Candiolo, Torino, Italy
- MELLMAN, IRA, Dept. of Cell Biology, Yale University School of Medicine, New Haven, Connecticut
- MENDOZA, MICHAEL, Div. of Digestive Diseases, University of California, Los Angeles
- MENON, RADHA, Dept. of Immunology and Molecular Diagnostics, Federal Drug Administration, Rockville, Maryland
- MEYERSON, MATTHEW, Dept. of Molecular Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- MILLER, ABIGAIL, Cancer Research Institute, Comprehensive Cancer Center, University of California, San Francisco
- MILLS, ALEA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- MIRANTI, CINDY, Dept. of Microbiology, Van Andel Research Institute, Grand Rapids, Michigan
- MISCHEK, DANIELA, Research Institute of Virology and Biomedicine, University of Veterinary Medicine, Vienna, Austria
- MITRA, KOYEL, Dept. of Molecular Genetics, Albert Ein-

SYMPOSIUM PARTICIPANTS

xi

- stein College of Medicine, Bronx, New York
- MITTAL, VIVEK, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- MOHI, M. GOLAM, Dept. of Medicine, Div. of Hematology and Oncology, Beth Israel Deaconess Medical Center, Boston, Massachusetts
- MONKKONEN, MIA, Molecular Cancer Biology Program, University of Helsinki, Helsinki, Finland
- MOORES, SHERI, Dept. of Oncology and Supportive Care, GlaxoSmithKline, Collegeville, Pennsylvania
- MORFORD, LORRI, Dept. of Microbiology, Immunology and Molecular Genetics, University of Kentucky, Lexington
- MORI, SEIICHI, Institute for Genome Sciences and Policy, Duke University, Durham, North Carolina
- MORONI, MARIA CRISTINA, Dept. of Experimental Oncology, European Institute of Oncology, Milan, Italy
- MORRISON, DEBRA, Dept. of Medicine, Mount Sinai School of Medicine, New York, New York
- MORRISON, SEAN, Howard Hughes Medical Institute, University of Michigan, Ann Arbor
- MROCZKOWSKI, BARBARA, Dept. of Structural Biology, Pfizer Global Research and Development, Pfizer, Inc., San Diego, California
- MU, DAVID, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- MUJTABA, SYED, Dept. of Physiology and Biophysics, Mount Sinai School of Medicine, New York, New York
- MURPHY, DANIEL, Cancer Research Institute, Comprehensive Cancer Center, University of California, San Francisco
- MUTHUSWAMY, SENTHIL, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- MYSINGER, CYNTHIA, Cancer Research Institute, University of California, San Francisco
- NAGAHARA, HIKARU, Sanno Hospital, International University of Health and Welfare, Tokyo, Japan
- NAHLE, ZAHER, Dept. of Internal Medicine, Washington University, St. Louis, Missouri
- NAKADA, DAISUKE, Div. of Biological Science, Nagoya University Graduate School of Science, Nagoya, Japan
- NAKADE, KOJI, BioResource Center, RIKEN, Ibaraki, Japan
- NAKAGAMA, HITOSHI, Div. of Biochemistry, National Cancer Center Research Institute, Tokyo, Japan
- NARAMURA, MAYUMI, Dept. of Medicine, ENH Research Institute, Evanston, Illinois
- NARITA, MASAKO, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- NARITA, MASASHI, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- NAVIN, NICHOLAS, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- NEILL, USHMA, *Journal of Clinical Investigation*, Columbia University, New York, New York
- NICASSIO, FRANCESCO, FIRC Institute Molecular Oncology Foundation, European Institute of Oncology, Milan, Italy
- NILSSON, JEANETTE, Dept. of Cell and Molecular Biology, Gothenburg University, Gothenburg, Sweden
- NOLAN, DANIEL, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- NUNEZ, SABRINA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- OH, HYUN JUNG, Dept. of Biological Sciences, Korea Advanced Institute of Science and Technology, Daejeon, South Korea
- OH, SANG-PHIL, Dept. of Biological Sciences, Korea Advanced Institute of Science and Technology, Daejeon, South Korea
- OHTA, NORIO, BioFrontier Laboratories, Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan
- OLIVE, KENNETH, Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia
- OLOFSSON, BEATRIX, Dept. of Biochemistry, Drexel University College of Medicine, Philadelphia, Pennsylvania
- ONEYAMA, CHITOSE, Lab. of Molecular Oncology, Osaka Bioscience Institute, Osaka, Japan
- OPAVSKY, RENE, Dept. of Human Cancer Genetics, Ohio State University, Columbus, Ohio
- O'SHEA, CLODAGH, Comprehensive Cancer Center, University of California, San Francisco
- OZER, HARVEY, University Hospital Cancer Center, UMDNJ-New Jersey Medical School, Newark, New Jersey
- PALAKURTHI, SANGEETHA, Dept. of Cancer Bioscience, AstraZeneca, Waltham, Massachusetts
- PANDOLFI, PIER-PAOLO, Memorial Sloan-Kettering Cancer Center, New York, New York
- PAPAGEORGIS, PANAGIOTIS, Dept. of Genetics and Genomics, Boston University School of Medicine, Boston, Massachusetts
- PARADA, LUIS, Center for Developmental Biology, Southwestern Medical Center, University of Texas, Dallas
- PARK, JAEHONG, Dept. of Biological Chemistry and Molecular Pharmacology, Institute of Proteomics, Harvard Medical School, Cambridge, Massachusetts
- PAVLETICH, NIKOLA, Structural Biology Program, Memorial Sloan-Kettering Cancer Center, New York, New York
- PENDE, MARIO, Necker Institute, INSERM, Paris, France
- PERSSON, JENNY, Dept. of Laboratory Medicine, Div. of Pathology, Lund University, Malmö, Sweden
- PERVIN, SHEHLA, Dept. of Obstetrics and Gynecology, University of California, Los Angeles
- PETERS, GORDON, Dept. of Molecular Oncology, London Research Institute, London, United Kingdom
- PETERSON, JANE, Div. of Extramural Research, National Human Genome Research Institute, National Institutes of Health, Bethesda, Maryland
- PHAN, VERNON, Cancer Research Institute, Comprehensive Cancer Center, University of California, San Francisco
- PHILBRICK, WILLIAM, Technical Advisory Committee, Yale University School of Medicine, New Haven, Connecticut
- PICCINI, ANTONELLA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- PICKERING, CURTIS, Dept. of Pathology, University of California, San Francisco
- PIERCE, AISLING, Dept. of Molecular Biology, National Institute for Cellular Biotechnology, Dublin City University, Dublin, Ireland
- PODSYPANINA, KATRINA, Dept. of Cell Biology, Memorial Sloan-Kettering Cancer Center, New York, New York

- POLAKIEWICZ, ROBERTO, Dept. of Research, Cell Signaling Technology, Beverly, Massachusetts
- POLITI, KATERINA, Dept. of Cancer Biology and Genetics, Memorial Sloan-Kettering Center, New York, New York
- POLLOCK, MILA, Cold Spring Harbor Laboratory Library, Cold Spring Harbor, New York
- PONDER, BRUCE, Dept. of Oncology, Hutchison/MRC Research Centre, Cambridge, United Kingdom
- POORTINGA, GRETCHEN, Div. of Research, Peter MacCallum Cancer Centre, East Melbourne, Victoria, Australia
- PORTER, JESS, School of Medicine, University of Pennsylvania, Philadelphia
- POWERS, SCOTT, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- PRIVES, CAROL, Dept. of Biological Sciences, Columbia University, New York, New York
- QIAN, YUEWEI, Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, Indiana
- QUON, KIM, Dept. of Biology, Amgen, Inc., South San Francisco, California
- RABBITTS, PAMELA, Dept. of Medicine, Medical School, University College, London, United Kingdom
- RABBITTS, TERENCE, Lab. of Molecular Biology, Medical Research Council, Cambridge, United Kingdom
- RABINOVSKY, ROSALIA, Dept. of Medical Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- RAFFANIELLO, ROBERT, Dept. of Medical Laboratory Sciences, School of Health Professions, Hunter College, City University of New York, New York
- RAMSEY, MATTHEW, Dept. of Genetics, University of North Carolina, Chapel Hill
- RAUCH, JENS, Molecular Oncology Clinical Cooperation Group, Ludwig-Maximilians University of Munich, Munich, Germany
- RAUHALA, HANNA, Institute of Medical Technology, University of Tampere, Tampere, Finland
- RECHAVI, GIDEON, Dept. of Pediatric Hematology and Oncology, Chaim Sheba Medical Center, Tel-Hashomer, Israel
- REPELLIN, CLAIRE, Dept. of Molecular Genetics, University of Glasgow, Glasgow, Scotland, United Kingdom
- RICHARDSON, CELESTE, Dept. of Oncology, Novartis Institutes for BioMedical Research, Cambridge, Massachusetts
- RICHMOND, JODI, Dept. of Pharmacogenomics, Pfizer, Inc., Groton, Connecticut
- RIKOVA, KLARISA, Dept. of Research, Cell Signaling Technology, Beverly, Massachusetts
- ROBERTS, CHARLES, Dept. of Pediatric Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- ROCHE, SERGE, Centre de Recherches de Biochimie Macromoléculaire, Centre National de la Recherche Scientifique, Montpellier, France
- RODRIGUEZ, ELENA, Dept. of Molecular and Cell Biology, University of California, Berkeley
- RODRIGUEZ, ROBERTO, Dept. of Vascular Biology, Children's Hospital, Boston, Massachusetts
- ROOF, DAVID, Dept. of Molecular and Cell Biology, Cytokinetics, Inc., South San Francisco, California
- ROTTMANN, SABINE, Dept. of Cell and Cancer Biology, Genomics Institute of the Novartis Research Foundation, San Diego, California
- ROZENBLATT-ROSEN, ORIT, Dept. of Molecular Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- RUEFLI-BRASSE, ASTRID, Dept. of Biology, Amgen, Inc., South San Francisco, California
- RUGGIERI, ROSAMARIA, Dept. of Oncology and Cell Biology, North Shore-Long Island Jewish Institute for Medical Research, Manhasset, New York
- RUSSO, GIAN-LUIGI, Dept. of Biochemistry, Istituto Scienze dell'Alimentazione, Avellino, Italy
- RYEOM, SANDRA, Dept. of Cell Biology, Harvard University School of Medicine, Boston, Massachusetts
- SABAPATHY, KANAGA, Div. of Cellular and Molecular Research, National Cancer Centre, Singapore
- SACCHI, NICOLETTA, Dept. of Cancer Genetics, Roswell Park Cancer Institute, Buffalo, New York
- SAFRAN, MICHAL, Dept. of Adult Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- SAITO, TSUYOSHI, Dept. of Pathology, Memorial Sloan-Kettering Cancer Center, New York, New York
- SANSAL, ISABELLE, Dept. of Medical Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- SANTARIUS, THOMAS, Cancer Genome Project, The Wellcome Trust Sanger Institute, Hinxton, Cambridge, United Kingdom
- SAPLIS, RACHEL, Dept. of Genetics, Cellular Biology, and Development, Cancer Center, University of Minnesota, Minneapolis
- SARAMAKI, OUTI, Dept. of Cancer Genetics, Institute of Medical Technology, University of Tampere, Tampere, Finland
- SAUNDERS, DARREN, Cancer Research Program, Garvan Institute of Medical Research, Darlinghurst, Sydney, New South Wales, Australia
- SAUNUS, JODI, School of Molecular and Microbial Sciences, University of Queensland, St. Lucia, Australia
- SAWYERS, CHARLES, Dept. of Medicine, University of California, Los Angeles
- SAYEED, SHEIKH, Dept. of Pharmacology and Therapeutics, Roswell Park Cancer Institute, Buffalo, New York
- SCHAFER, JAMES, Dept. of Healthcare Information Technology, Philips Research, Briarcliff Manor, New York
- SCHLEGEL, ROBERT, Dept. of Oncology, Novartis Institutes for BioMedical Research, Cambridge, Massachusetts
- SCHLIEKELMAN, MARK, Dept. of Genetics, University of North Carolina, Chapel Hill
- SCHMITT, CLEMENS, Dept. of Hematology and Oncology, Max-Delbrück-Center for Molecular Medicine, Berlin, Germany
- SCHNEIDER, GÜNTHER, Dept. of Internal Medicine, Technical University of Munich, Munich, Germany
- SCHUBERT, CHARLOTTE, *Nature Medicine*, Nature Publishing Group, New York, New York
- SCHWEIZER, LIANG, Dept. of Oncology Drug Discovery, Bristol-Myers Squibb, Princeton, New Jersey
- SCOTT, CLARE, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- SEBASTIAN, THOMAS, Lab. of Protein Dynamics and Signaling, National Cancer Institute, Frederick, Maryland

SYMPOSIUM PARTICIPANTS

xiii

- SILIVANOVA, GALINA, Microbiology and Tumor Biology Center, Karolinska Institute, Stockholm, Sweden
- SELLERS, WILLIAM, Div. of Neoplastic Disease Mechanisms, Dana-Farber Cancer Institute, Harvard Medical School, Boston, Massachusetts
- SERRANO, MANUEL, Centro Nacional de investigaciones Ontologica, Madrid, Spain
- SHACHAF, CATHERINE, Dept. of Medical Oncology, Stanford University, Stanford, California
- SHERR, CHARLES, Dept. of Tumor Cell Biology, Howard Hughes Medical Institute, St. Jude Children's Research Hospital, Memphis, Tennessee
- SHI, HUA, Dept. of Molecular Biology and Genetics, Cornell University, Ithaca, New York
- SHIEH, SHEAU-YANN, Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan, Republic of China
- SHIH, HSIU-MING, Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan, Republic of China
- SHIMIZU, TAKESHI, Dept. of Biochemistry and Molecular Biology, Pennsylvania State University, University Park, Pennsylvania
- SHUKLA, NEERAV, Dept. of Pediatrics, Memorial Sloan-Kettering Cancer Center, New York, New York
- SHUREIQI, IMAD, Dept. of Clinical Cancer Prevention, M.D. Anderson Cancer Center, University of Texas, Houston
- SIBSON, DAVID, J.K. Douglas Laboratories, Clatterbridge Cancer Research Trust, Clatterbridge Hospital, Bebington, Wirral, United Kingdom
- SIDENIUS, NICOLAI, Dept. of Transcriptional Mechanisms, FIRCI Institute of Molecular Oncology Foundation, Milan, Italy
- SILVA, RICARDO, Dept. of Hematology and Oncology, St. Jude Children's Research Hospital, Memphis, Tennessee
- SILVESTRE, DAVID, Dept. of Biological Chemistry, CIQUIBIC, National University of Córdoba, Córdoba, Argentina
- SIMIN, KARL, Dept. of Genetics, Lineberger Comprehensive Cancer Center, University of North Carolina, Chapel Hill
- SLACK, FRANK, Dept. of Molecular, Cellular, and Developmental Biology, Yale University, New Haven, Connecticut
- SLAMON, DENNIS, Dept. of Medicine, Hematology and Oncology, University of California, Los Angeles
- SLATE, DORIS, Dept. of Scientific Licensing, Johnson and Johnson Pharmaceutical Research and Development, San Diego, California
- SLIWKOWSKI, MARK, Dept. of Translational Oncology, Genentech, Inc., South San Francisco, California
- SMALL, MICHAEL, Div. of Extramural Research, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- SMIRNOV, DENIS, Dept. of Research and Development, Immunicon Corp., Huntingdon Valley, Pennsylvania
- SOENGAS, MARIA, Dept. of Dermatology, University of Michigan, Ann Arbor
- SONG, YURONG, Dept. of Genetics, Lineberger Comprehensive Cancer Center, University of North Carolina, Chapel Hill
- SPARMANN, ANKE, Dept. of Molecular Genetics, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- SPECTOR, DAVID, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- SPECTOR, MONA, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- STEWART, DAVID, Meetings and Courses Programs, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- STILLMAN, BRUCE, President and CEO, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- SUH, KWANG, Lab. of Cellular Carcinogenesis and Tumor Promotion, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- SUKEZANE, TAIKO, Lab. of Molecular Oncology, Osaka Bioscience Institute, Osaka, Japan
- SWAIN, AMANDA, Sect. of Gene Function and Regulation, Institute of Cancer Research, London, United Kingdom
- SYMONS, MARC, Dept. of Oncology and Cell Biology, North Shore-Long Island Jewish Institute for Medical Research, Manhasset, New York
- SÜLTMANN, HOLGER, Dept. of Molecular Genome Analysis, German Cancer Research Center, Heidelberg, Germany
- TANAKA, HISASHI, Div. of Basic Sciences, Fred Hutchinson Cancer Research Center, Seattle, Washington
- TARABAN, VADIM, Tenovus Research Laboratory, University of Southampton, Southampton, United Kingdom
- TELERMAN, ADAM, Dept. of Cancer Research, Molecular Engines Laboratories, Paris, France
- TERAI, KENTA, Dept. of Tumor Virology, Research Institute for Microbial Diseases, Osaka University, Osaka, Japan
- TERZIAN, TAMARA, Dept. of Molecular Genetics, Sect. of Cancer Genetics, M.D. Anderson Cancer Center, University of Texas, Houston
- TESSIER-LAVIGNE, MARC, Dept. of Research, Genentech, Inc., South San Francisco, California
- TEWS, BJOERN, Dept. of Molecular Genetics, German Cancer Research Center, Heidelberg, Germany
- THEILLET, CHARLES, Genotypes et Phenotypes Tumoraux, INSERM, Montpellier, France
- THIAGALINGAM, SAM, Dept. of Medicine and Genetics, Boston University School of Medicine, Boston, Massachusetts
- THOMPSON, CRAIG, Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia
- THUERIGEN, DIRK, Div. of Molecular Genetics, German Cancer Research Center, Heidelberg, Germany
- TLSTY, THEA, Dept. of Pathology, School of Medicine, University of California, San Francisco
- TRABONI, CINZIA, Dept. of Biochemistry, Institute for Research in Molecular Biology, Pomezia, Italy
- TREANOR, LOUISE, Dept. of Pathology, University of Edinburgh, Edinburgh, Scotland, United Kingdom
- TSAI, HSIN-YUE, Dept. of Biochemistry, Ohio State University, Columbus, Ohio
- TSE, ARCHIE, Dept. of Medicine, Memorial Sloan-Kettering Cancer Center, New York, New York
- TSUCHIHASHI, ZENTA, Dept. of Pharmacogenomics, Bristol-Myers Squibb, Princeton, New Jersey

- TSUCHIYA, NAOTO, Dept. of Biochemistry, National Cancer Center Research Institute, Tokyo, Japan
- TUVESON, DAVID, Dept. of Hematology and Oncology, Abramson Family Cancer Research Institute, University of Pennsylvania, Philadelphia
- UREN, ANTHONY, Dept. of Molecular Genetics, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- UZIEL, TAMAR, Dept. of Tumor Cell Biology, St. Jude Children's Research Hospital, Memphis, Tennessee
- VAFAI, SCOTT, Dept. of Cancer Biology, Dana-Farber Cancer Institute, Boston, Massachusetts
- VAN DYCK, FREDERIK, Dept. of Human Genetics, Lab. for Molecular Oncology, University of Leuven, Leuven, Belgium
- VAN DYKE, TERRY, Dept. of Biochemistry, University of North Carolina, Chapel Hill
- VAN LOHUIZEN, MAARTEN, Dept. of Molecular Genetics, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- VARMUS, HAROLD, President and CEO, Memorial Sloan-Kettering Cancer Center, New York, New York
- VENKATARAMAN, CHANDRASEKAR, Dept. of Cancer Research, Eli Lilly and Company, Indianapolis, Indiana
- VIGNERON, ARNAUD, Cancer Center Paul Papin, INSERM, Angers, France
- VILENCHIK, MARIA, Dept. of Oncology, Hoffmann-La Roche, Inc., Nutley, New Jersey
- VILLANUEVA, JESSIE, Dept. of Pharmacology, University of Pennsylvania, Philadelphia
- VINCENT, SYLVIE, Dept. of Molecular Technology, AVEO Pharmaceuticals, Cambridge, Massachusetts
- VINSON, CHARLES, Lab. of Metabolism, National Institutes of Health, Bethesda, Maryland
- VREDEVELD, LIESBETH, Dept. of Molecular Genetics, The Netherlands Cancer Institute, Amsterdam, The Netherlands
- WALLACE, DOUGLAS, Center for Molecular and Mitochondrial Medicine and Genetics, University of California, Irvine
- WANG, GREG, Biomedical Sciences Program, School of Medicine, University of California at San Diego, La Jolla
- WANG, LIANG, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- WATNICK, RANDOLPH, Dept. of Surgery, Children's Hospital, Harvard Medical School, Boston, Massachusetts
- WEI, GANG, Dept. of Tumorigenesis, Lankenau Institute for Medical Research, Wynnewood, Pennsylvania
- WEINMANN, ROBERTO, Dept. of Oncology Drug Discovery, Bristol-Myers Squibb, Princeton, New Jersey
- WEINREICH, MICHAEL, Van Andel Research Institute, Grand Rapids, Michigan
- WEISSMAN, SHERMAN, Dept. of Genetics, Yale University School of Medicine, New Haven, Connecticut
- WENDEL, HANS-GUIDO, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- WERB, ZENA, Dept. of Anatomy, University of California, San Francisco
- WESTBROOK, TREY, Dept. of Genetics, Harvard University School of Medicine, Boston, Massachusetts
- WILKINSON, JOHN, Unit for Laboratory Animal Medicine, University of Michigan, Ann Arbor
- WINTER, CHRISTOPHER, Dept. of Target Support and Validation, Merck Research Laboratories, Boston, Massachusetts
- WITTE, OWEN, Howard Hughes Medical Institute, Institute for Stem Cell Biology and Medicine, University of California, Los Angeles
- WONG, SUNNY, Dept. of Biology, Massachusetts Institute of Technology, Cambridge, Massachusetts
- WORKMAN, PAUL, Dept. of Cancer Therapeutics, Institute of Cancer Research, Sutton, Surrey, United Kingdom
- XIA, MINGXUAN, Dept. of Biomedical Genetics, University of Rochester Medical Center, Rochester, New York
- XIONG, YUE, Dept. of Biochemistry and Biophysics, University of North Carolina, Chapel Hill
- XU, JUN, Dept. of Oncology Research, Wyeth, Pearl River, New York
- XU, LEI, Center for Cancer Research, Massachusetts Institute of Technology, Cambridge, Massachusetts
- XU, QING, Dept. of Medical Oncology, Dana-Farber Cancer Institute, Boston, Massachusetts
- XU, RUI-MING, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- XU, XINGZHI, Dept. of Biology, Beckman Research Institute, City of Hope Medical Center, Duarte, California
- YAMACI, REZAN, Dept. of Molecular Biology and Genetics, Bogazici University, Istanbul, Turkey
- YAMADA, N. ALICE, Dept. of Biosciences, Lawrence Livermore National Laboratory, Livermore, California
- YAMASAKI, LILI, Dept. of Biological Sciences, Columbia University, New York, New York
- YANCOPOULOS, GEORGE, Regeneron Pharmaceuticals, Inc., Tarrytown, New York
- YANG, QUAN, Dept. of Therapeutics, IBEX Pharmaceuticals, Inc., Montréal, Québec, Canada
- YARDEN, RONIT, Dept. of Surgical Oncology, Chaim Sheba Medical Center, Tel-Hashomer, Israel
- YIM, SUN HEE, Lab. of Metabolism, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- YOON, SUNG OK, Dept. of Cellular Immunology, Ochsner Clinic Foundation, Jefferson, Louisiana
- ZENDER, LARS, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- ZHANG, HONGBING, Dept. of Hematology, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts
- ZHANG, QIAN, Dept. of Genetics, Biochemistry, and Biophysics, Lineberger Comprehensive Cancer Center, University of North Carolina, Chapel Hill
- ZHANG, XIAOSHAN, Dept. of Molecular Genetics, M.D. Anderson Cancer Center, University of Texas, Houston
- ZHANG, YANPING, Dept. of Radiation Oncology, University of North Carolina, Chapel Hill
- ZHOU, ZONGXIANG, Dept. of Biomedical Sciences, Cornell University, Ithaca, New York
- VAN DER MEIJDEN, CAROLINE, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
- VAN DE WETERING, CHRISTOPHER, Dept. of Pathology, University of Iowa Hospitals and Clinics, Iowa City

*First row: Craig Thompson delivering eulogy for Stanley Korsmeyer (on screen, S. Korsmeyer [l] and M. Hengartner [r])
 Second row: R. Eisenman, C. Thompson, and J. Adams; Z. Werb; J. Kan, G. Borzillio
 Third row: P. Kenny, M. Bissell, M. Godbole; J. Inglis, J. Allison*

First row: L. Schweizer, R. Scottillo, M. Jechlinger; J.D. Watson, S. Brenner
Second row: R. Bernards, T. de Lange; B. Alberts, E. Harlow, H. Varmus; S. Lowe, S. Elledge
Third row: Watching Symposium in Grace lobby; G. Gupta, P. Gupta, R. Saplis
Fourth row: G. Enikolopov, R. Attar; T. Tlsty; Y. Song, S.O. Yoon, J. Villanueva

*First row: B. Luscher, S. Rottmann; C. Schubert, K. Quon, G. Peters, C. Martins, M. Fero
Second row: E. Harlow, D. Esposito; Under the tent
Third row: C. Miranti, S. Wong, E. Medico; A. Fournier, H.-G. Kang, I. Sansal
Fourth row: P. Coopman, R. Yarden; M. Barbacid, S. Courtneidge*

First row: G. MacDonald, S. Benvenuti, J. Saunus, K. Chan; C. Shachaf, O. Margalit, G. Rechavi, N. Amariglio
Second row: J. Lees, G. Evan, C. Sherr; J. Bargonetti, H. Ozer; M. Kastan, J. Lees, T. Van Dyke
Third row: C. Greider, R. DePinho; J.D. Watson, M. Tessier-Lavigne; J. Folkman
Fourth row: Cancer Genome Project Discussion Panel (*l-r*) E. Lander, S. Brenner, H. Varmus, B. Alberts, J. Brugge, J. Peterson, A. Barker; C. Prives

*First row: L. Attardi; K. Hillan, D. Stewart, sporting the Symposium T-shirt; D. Wallace; M. Bishop
 Second row: M. Eilers, M. Van Lohuizen; A. Gradi, N. Sacchi
 Third row: H.-G. Wendell, B. Clarkson; J. Massagué, B. Stillman, R. Benezra
 Fourth row: C. Andl, D. Thuerigen; M. Hickey, K. Olive, K. Covello, M. Gruber*

*First row: H. Rauhala, O. Saramaki; N. Sacchi, L. Parada
Second row: A. Ballesteros, A. Ashworth; B. Marte, G. Hannon; E. Lander
Third row: B. Tews, M. Hahn, D. Spector; Posters under the tent
Fourth row: D. Lane; R. Kalluri; M. Meyerson, D. Haber, M. Ladanyi*

First row: G. Poortinga, C. Billottet, A. Majid; C. Scott, S. Smith
Second row: R. Kalluri, M. Tessier-Lavigne, D. Hanahan; A. Majid, M. Junttila
Third row: C. Abate-Shen, A. Cheung, K. Lane; C. Sawyers, Dorcas Cummings Lecture; F. McCormick; T. Jacks giving Summary
Fourth row: Symposium picnic

Dedication

Stan Korsmeyer passed away on March 31, 2005, at the age of 54. Ironically, he died of lung cancer. He had been looking forward to attending this meeting focused on molecular approaches to controlling cancer, a subject he dedicated his life to. Despite being gravely ill, he registered for the meeting. In the meeting book, he is listed as one of the participants and, in spirit, he was.

Stan grew up on a hog farm in southern Illinois. He did not start out to be a research scientist. In college, he became interested in science and decided to go to medical school. He went through internship and residency at the University of California, San Francisco, followed by a fellowship at the NIH. He arrived in Bethesda at the time when physicians were first learning molecular biology and applying it to cancer research. In those days, the cancer research meeting was the Cold Spring Harbor Symposium on Viral Oncogenes. It was through the scientific exchange at that meeting that Stan and others in the community came to realize that chromosomal translocations might represent oncogenic events that could be molecularly characterized. Stan started working on this problem as a postdoctoral fellow in the laboratories of Phil Leder and Tom Waldman. Armed with that training, he joined the faculty at Washington University in St. Louis as an assistant professor. Stan did not start out as a central figure in the outstanding hematology and oncology faculty assembled there by Stuart Kornfield. Stan stood at the edge of that group, bridging it to molecular biology. However, even then, Stan was quickly moving to the center of our community. By characterizing chromosomal translocations, Stan's laboratory was one of the groups that cloned the oncogenes Bcl-2 and MLL. By the time of the 1994 CSHL Symposium on Cancer, Stan's work led many of us to consider the role of apoptosis in cancer. That was the first meeting where we started to discuss whether the regulation of programmed cell death played a critical role in the pathogenesis of cancer. Stan believed understanding apoptosis might contribute to new therapies for cancer.

Stan's work over the next few years brought him to the leading edge of biology. His groundbreaking work defining the Bcl-2 family members as interactive partners controlling the rheostat of apoptosis moved him to center stage. In 1998, Stan was recruited to Harvard University to nucleate a research program in apoptosis. With his positive and interactive personality, he quickly became a leader at the Dana-Farber Cancer Center.

At every scientific meeting, Stan was the one asking the probing questions and suggesting collaborations that would lead to the answers to those questions. Stan had that unique capability of organizing people, focusing them on the activity at hand, and, even though they'd never done it before, giving them the skills to go out and do research on the murky waters of cancer biology.

In closing, we remember him as a friend, colleague, and a real leader in this community, and for the positive interactions that he spurred within the cancer biology community. It is in that spirit that CSHL dedicates this volume to his memory.

*Stanley J. Korsmeyer
1950–2005*

Craig B. Thompson

Foreword

During the past quarter century or so, much effort has been devoted toward the understanding of the molecular basis of cancer. We now understand that cancer is primarily a genetic disease of mutations in the tumor genome acquired over a lifetime. The products of oncogenes and tumor suppressor genes have been placed into pathways of gene networks that are altered in tumor cells compared to normal cells in tissue. Furthermore, we also understand that tumors function as abnormal organs, forming an architecture of a number of different cell types and recruiting a blood supply, albeit an irregular one. There have been many Symposia in this series that dealt with cancer directly, and even more that focused on basic biology that contributed greatly to understanding cancer.

As a result of some interesting developments in cancer diagnosis and therapy over the past five years, it was appropriate that a Symposium be devoted for the first time to molecular approaches to cancer therapy. Several examples now exist of targeted therapy that works in patients that have been profiled based on genetic diagnosis of the patient's tumor. Additionally, therapies targeting the tumor as an organ, such as anti-angiogenic therapy, are now used in the clinic with modest success. The hope is that this type of molecular approach to cancer therapy will accelerate and become more effective in the future.

In organizing this Symposium with help from Terri Grodzicker, we relied on the assistance of a number of colleagues for suggestions for speakers. They included David Livingston, Craig Thompson, and Scott Lowe, and we thank them for their valuable advice. We also thank the first evening speakers, Dennis Slamon, Harold Varmus, Mina Bissell, and Jim Allison, for providing an overview of the areas to be covered. This year's Reginald Harris Lecture was delivered by Titia de Lange on telomere biology and genomic stability. We particularly thank Tyler Jacks for delivering a thoughtful and realistic summary of where we are in relation to our goal. Charles Sawyers, who conveyed the excitement which many of us feel knowing that some inroads into treating cancer will be made by targeted therapies, presented the Dorcas Cummings Lecture to the local community and the attending scientists. The effort put into the Dorcas Cummings Lecture by Charles and the summary by Tyler resulted in highlights of the meeting.

This Symposium was attended by 515 scientists and clinicians, and the program included 71 oral presentations and 241 poster presentations. Bruce Alberts chaired a discussion of the proposal to analyze the genomes of all major human cancers to advance cancer diagnosis and therapy approaches.

Essential funds to run this meeting were obtained from the National Cancer Institute, a branch of the National Institutes of Health. In addition, financial help from the corporate benefactors, sponsors, affiliates, and contributors of our meetings program is essential for these Symposia to remain a success, and we are most grateful for their continued support.

We thank Val Pakaluk and Mary Smith in the Meetings and Courses office for their efficient help in organizing the Symposium. Joan Ebert, Patricia Barker, and Susan Schaefer in the Cold Spring Harbor Laboratory Press, headed by John Inglis, ensured that this volume would be produced. We thank them for their dedication to producing high-quality publications.

Bruce Stillman
David Stewart
April 2006

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