



American  
Brain Tumor  
Association

RESEARCH AWARDS  
2006 - 2009

# *Our Mission*

---

Founded in 1973, the American Brain Tumor Association (ABTA) was the first national, nonprofit organization dedicated to promoting brain tumor research, while offering information and support to brain tumor patients and their families.

The ABTA exists to eliminate brain tumors through research and to meet the needs of brain tumor patients and families.

ABTA is at the forefront of initiatives that will forward our mission. We fund basic, translational, and clinical research; we encourage talented investigators, early in their careers, to specialize in neuro-oncology; we partner with professional organizations to recognize outstanding researchers; and we collaborate with other funding organizations to award grants for collaborative research projects between institutions.

## *Basic Research Fellowships*

---

The intent of this Fellowship program is to encourage talented scientists early in their careers to enter, or remain in, the field of brain tumor research. These awards help ensure a continuum of dedicated, well-trained brain tumor researchers. ABTA Basic Research Fellowships are \$80,000 awards payable over a two-year period.

Criteria for selection include the caliber of the applicant, training program, and proposed research.

## *Translational and Small Project Grants*

---

The intent of our Grants' program is to facilitate bringing potentially important research studies from the laboratory to the patient — bench to bedside. These are \$75,000 one-year awards.

Criteria for selection include the therapeutic potential of the proposed research and the quality of the laboratory program and applicant.

## *Medical Student Summer Fellowships*

---

The Medical Student Summer Fellowship is intended to plant the seeds of neuro-oncology interest in bright, talented students. This \$2,500 award offers a six-eight week laboratory experience to select medical students. Additionally, the most outstanding student report receives the Lucien J. Rubinstein Memorial Award that carries an additional \$1,000 plus distinction.

## *The Application Process*

---

Applications are accepted for our Fellowship and Grant programs. Eligible applicants are post-doctorates who intend to pursue a career in neuro-oncology.

Qualified applications for the Fellowships and Grants are reviewed by members of the Association's distinguished Scientific Advisory Council. Award determinations are made by the ABTA Board of Directors based upon the Advisors' recommendations.

Applications are posted online in the Fall of each year.

American Brain Tumor Association  
2720 River Road  
Des Plaines, Illinois 60018

TEL 847.827.9910  
FAX 847.827.9918  
EMAIL [info@abta.org](mailto:info@abta.org)  
WEB [www.abta.org](http://www.abta.org)

# *Table of Contents*

---

SCIENTIFIC ADVISORY COUNCIL .....	3
PROFILES .....	4
RESEARCH AWARDS:	
2008-2009 .....	8
2007-2008 .....	12
2006-2007 .....	16
2005-2006 .....	19

# SCIENTIFIC ADVISORY COUNCIL

---

**Michael L. J. Apuzzo, MD**  
Neurosurgery  
University of Southern California  
Los Angeles, California

**Mitchel S. Berger, MD**  
Neurosurgery  
University of California  
Brain Tumor Research Center  
San Francisco, California

**Steven Brem, MD**  
Neurosurgery  
H. Lee Moffitt Cancer Center  
Tampa, Florida

**Jeffrey N. Bruce, MD**  
Neurosurgery  
Columbia University  
College of Physicians and Surgeons  
New York, New York

**Jan C. Buckner, MD**  
Medical Oncology  
Mayo Clinic  
Rochester, Minnesota

**Peter C. Burger, MD**  
Neuropathology  
Johns Hopkins University Hospital  
Baltimore, Maryland

**Webster K. Cavenee, PhD**  
Molecular Oncology  
Ludwig Institute for Cancer Research  
University of California-San Diego  
La Jolla, California

**E. Antonio Chiocca, MD, PhD**  
Neurosurgery  
Ohio State University Medical Center  
Columbus, Ohio

**Henry S. Friedman, MD**  
Neuro-Oncology  
Duke University Medical Center  
Durham, North Carolina

**G. Yancey Gillespie, PhD**  
Surgery, Microbiology,  
Cell Biology & Anatomy  
University of Alabama  
Birmingham, Alabama

**Fred H. Hochberg, MD**  
Neurology  
Massachusetts General Hospital  
Boston, Massachusetts

**Mark A. Israel, MD**  
Pediatrics & Genetics  
Norris Colton Cancer Center  
Dartmouth-Hitchcock  
Medical Center  
Lebanon, New Hampshire

**Lois A. Lampson, PhD**  
Neurosurgery  
Harvard Medical School  
Brigham and Women's Hospital  
Boston, Massachusetts

**John Lattera, MD, PhD**  
Neurology  
Johns Hopkins University  
Kennedy Krieger Research Institute  
Baltimore, Maryland

**Edward R. Laws, Jr., MD**  
Neurosurgery  
Brigham & Women's Hospital  
Boston, Massachusetts

**Victor A. Levin, MD**  
Neuro-Oncology  
UTMD Anderson Cancer Center  
Houston, Texas

**Minesh P. Mehta, MD**  
Radiology and Human Oncology  
University of Wisconsin  
Medical School  
Madison, Wisconsin

**Tom Mikkelsen, MD**  
Neurology  
Hermelin Brain Tumor Center  
Henry Ford Hospital  
Detroit, Michigan

**Corey Raffel, MD, PhD**  
Neurosurgery  
Nationwide Children's Hospital  
Columbus, Ohio

**Stephen J. Tapscott, MD, PhD**  
Division of Human Biology  
Fred Hutchinson Cancer  
Research Center  
Seattle, Washington

**W.K. Alfred Yung, MD**  
Neuro-Oncology  
UTMD Anderson Cancer Center  
Houston, Texas

## EMERITUS ADVISORS

---

**Michael E. Cohen, MD**  
State University of New York  
Buffalo, New York

**Paul L. Kornblith, MD**  
Reference Laboratory Alliance  
Institute for Transfusion Medicine  
Pittsburgh, Pennsylvania

**Jerome B. Posner, MD**  
Memorial Sloan-Kettering  
Cancer Center  
New York, New York

**Raul C. Urtasun, MD**  
Radiation Oncology & Neurosciences  
University of Alberta  
Cross Cancer Institute  
Edmonton, Alberta, Canada

**Nicholas A. Vick, MD**  
Neurology  
Northwestern University  
Evanston Hospital  
Evanston, Illinois

**Charles B. Wilson, MD**  
University of California  
Brain Tumor Research Center  
San Francisco, California

## ABTA Fellows: Profiles in Brain Tumor Research Success

For 35 years, the American Brain Tumor Association (ABTA) has supported young, talented researchers working to improve brain tumor diagnostics and treatment. These scientists have not only contributed to the significant advances in brain tumor care over the past decade, many of them also have gone on to mentor new researchers and to lead some of the country's most prestigious brain tumor centers. Their efforts ensure a continued scientific commitment to brain tumor research, and most importantly, to finding a cure.

Following are profiles of three early ABTA research award recipients: Dr. Charles Wilson, Dr. Nina Paleologos, and Dr. Jeffrey Bruce. Each has made tremendous contributions to brain tumor research and care. They exemplify the success and reach of the ABTA Research Awards program.



Charlie B. Wilson, **MD**

*ABTA's first research grant recipient in 1973;  
received subsequent annual awards 1974-1979*

You could say that the American Brain Tumor Association (ABTA) and brain tumor research pioneer Dr. Charles B. Wilson grew up together.

In 1973, the ABTA (then the Miki Rae Shanoff Memorial Fund for Brain Tumor Research) was a small organization with the big goal of funding and encouraging brain tumor research. At the time, there was little funding and few research efforts specifically focused on the origins and treatment of brain tumors.

Dr. Wilson, then a young neurosurgeon at the University of California, San Francisco (UCSF), was one of only a few U.S. physicians working primarily on brain tumor research. Later that year, under Dr. Wilson's direction, the UCSF Brain Tumor Research Center was created, providing the first concentrated scientific effort on finding the origins of, and new treatments for, tumors of the central nervous system.

At about the same time, Dr. Wilson was the first and primary recipient of ABTA funding for research.

A few years later, the Miki Rae Shanoff Memorial Fund for Brain Tumor Research became the Association for Brain Tumor Research. With the help of Dr. Wilson, the newly named organization appointed a medical advisory council – comprised of brain tumor experts from across the U.S.—with the sole purpose of reviewing ongoing and proposed research projects for possible funding.

At UCSF, Dr. Wilson mentored other young researchers and physicians, many of whom went on to head-up neurosurgery and oncology programs at some of the nation's leading medical centers. Many of these researchers began brain tumor research programs of their own, spreading the knowledge they received under Dr. Wilson's training. And as scientific interest in brain tumors evolved, a field later named "neuro-oncology," the Association for Brain Tumor Research became the American Brain Tumor Association.

This year – 2008 – has been a milestone year for both ABTA and Dr. Wilson. Earlier this year, ABTA awarded more than \$2.6 million – the most in the organization's history – to brain tumor researchers throughout the United States and Canada. And in November, Dr. Charles Wilson will receive the Society for Neuro-Oncology's (SNO) prestigious Lifetime Achievement Award .

Dr. Wilson is an Emeritus Advisor for ABTA.



Nina A. Paleologos, MD

*ABTA Basic Research Fellowships: 1989-1991*

Today, Dr. Nina A. Paleologos is the director of the neuro-oncology program at NorthShore University HealthSystem (formerly, Evanston Northwestern Healthcare), the Stanley C. Golder Chair of Neuroscience Research, an Associate Professor of Neurology at Northwestern University's Feinberg School of Medicine, and a renowned brain tumor researcher and specialist.

Nearly 20 years ago, when Dr. Paleologos was first starting out as a young doctor and researcher at Evanston Hospital, ABTA awarded her two Basic Research Fellowships – in 1989-1990, and again in 1990-1991 – to support her studies of the blood brain barrier and the role it plays in the delivery of drug therapies.

"I have been so pleased to be a part of this organization, and appreciate all the support ABTA has given to me and my program over the years," said Dr. Paleologos during a recent ABTA research event. "It has been wonderful for me to watch the growth of ABTA in regards to how much funding has been given to young researchers." As a result of the ABTA's research award program, "many more young researchers are getting interested in the field of brain tumor research, and are passionate about the care of these patients."

Dr. Paleologos continues to direct and work on various brain tumor research projects. Currently, she is a principal investigator in multiple clinical trials including a Phase II Trial of intensive chemotherapy and autotransplantation for patients with newly diagnosed anaplastic oligodendroglioma, a Phase II/III Randomized Study of CDX-110 with radiation and Temozolomide in patients with newly diagnosed glioblastoma multiforme, as well as a Phase II Study of Avastin and Temozolomide following radiation and chemotherapy for newly diagnosed glioblastoma multiforme.



Jeffrey Bruce, MD

*Basic Research Fellowships: 1990-1991 & 1991-1992*

Dr. Jeffrey Bruce is a leading authority on complex tumors of the brain and skull base, and is the co-director of the Brain Tumor Center and Director of Skull Base Surgery specializing in the surgical treatment of gliomas, meningiomas, pituitary tumors, skull base tumors, craniopharyngiomas and pineal tumors, at Columbia University Medical Center in New York.

Dr. Bruce received an ABTA Research Fellowship in 1990-1992 to study the molecular biology of astrocytomas. After establishing a successful neurosurgery practice and a brain tumor research laboratory of his own, Dr. Bruce served as a sponsor for a young ABTA Research Fellowship recipient, and mentored numerous medical students through the ABTA Medical Student Summer Fellowship program.

"The ABTA was one of the earliest supporters of my research which laid the groundwork for future contributions made to brain research by our laboratory. Additionally, I had the pleasure of mentoring several medical students and fellows over the years that were supported by the ABTA," said Dr. Bruce. "Their seed money has gone a long way towards expanding our understanding of brain tumors and eventual improvements in treatment. Above it all, the ABTA has always been user-friendly and I have enjoyed the optimism, vigor and industriousness of the individuals in this organization who have made it so successful."

Today, Dr. Bruce's principal areas of brain tumor research are the mechanisms of tumorigenesis, novel therapeutic approaches to glial-derived neoplasm's, and the immune response to brain tumors. Dr. Bruce also is leading a multidisciplinary NIH-funded Phase I trial for brain tumor patients using a novel strategy that delivers chemotherapy directly into the tumor. This strategy, known as convection enhanced delivery, significantly increases the amount of drug that enters the tumor and avoids systemic side effects since the drug remains only in the brain.

Dr. Bruce continues to serve as an active participant on the ABTA Scientific Advisory Council.

# 2008-2009 Awards

## BASIC RESEARCH FELLOWSHIPS

### Veerakumar Balasubramanian, PhD

MD Anderson Cancer Center, Houston, Texas

SPONSOR: Howard Colman, MD, PhD

RESEARCH: Role of *balab2* in Self-Renewal and Differentiation of Glioblastoma Stem Cells

In honor of Rick Siwek

### Bipin Bobby Bhatia, PhD

Memorial Sloan-Kettering Cancer Center, New York, New York

2nd year of fellowship

In memory of Davis Ferguson

### Anne-Marie Bleau, PhD

Memorial Sloan-Kettering Cancer Center, New York, New York

2nd year of fellowship

In memory of George Kamberos

### Yuntao Chen, PhD

University of Texas Southwestern, Dallas, Texas

SPONSOR: Luis Prada, PhD

RESEARCH: Analysis of the Functional Influence of microRNAs in Malignant Astrocytoma

In memory of Tom Ostoich

### Milan Chheda, MD

Massachusetts General Hospital, Boston, Massachusetts

Dana-Farber Cancer Institute, Boston, Massachusetts

Broad Institute, Cambridge, Massachusetts

SPONSOR: William Hahn, MD, PhD

RESEARCH: Identification and Characterization of Novel Genetic Drivers of Glioblastoma

In honor of Trudy Bettiker

### Robert Dejournett, PhD

University of North Carolina, Chapel Hill, North Carolina

2nd year of fellowship

In honor of the Segal Family

### Katherine Dunn, PhD

Dana-Farber Cancer Institute, Boston, Massachusetts

SPONSOR: Ron DePinho, MD

RESEARCH: Telomeres and Telomerase in the Initiation and Progression of Glioblastoma Multiforme

In honor of Georgianne AuBuchon

### Galina Gabriely, PhD

Brigham and Women's Hospital, Boston, Massachusetts

2nd year of fellowship

In memory of Paul Brazen

### German Gomez, PhD

Ludwig Institute for Cancer Research, LaJolla, California

2nd year of fellowship

In memory of Keith Powers

### Shawn Hingtgen, PhD

Massachusetts General Hospital, Boston, Massachusetts

SPONSOR: Khalid Shah, MSc, PhD

RESEARCH: Engineering and Real-time Imaging of Targeted Anti-tumor Therapies Using ES Derived Neural Stem Cells

In memory of Gavin Kessler

### Craig Horbinski, MD, PhD

University of Pittsburgh, Pittsburgh, Pennsylvania

SPONSOR: Ian Pollack, MD

RESEARCH: Genetic and Biomarker Profiling of Juvenile Pilocytic Astrocytomas

In memory of Callie Rohr

### Bin Hu, PhD

Ohio State University, Columbus, Ohio

SPONSOR: Mariano Viapiano, PhD

RESEARCH: Fibulin-3: A Novel Target for Brain Tumor Therapy?

In memory of Joel A. Gingras, Jr.

### Ahmed Idbaih, MD, PhD

Dana-Farber Cancer Institute, Boston, Massachusetts

SPONSOR: Keith Ligon, MD, PhD

RESEARCH: Stem and Progenitor Cell Transcription Factor Networks as Therapeutic Targets in Malignant Glioma

In memory of Laurie Deierlein

### Maria-del-Mar Inda, PhD

Ludwig Institute for Cancer Research, La Jolla, California

2nd year of fellowship

In memory of Walter Terlik

### Rahul Jandial, MD

Burnham Institute for Medical Research, LaJolla, California

SPONSOR: Evan Snyder, MD, PhD

RESEARCH: Lineage Mapping of a Brain Tumor

In memory of Rose DiGangi

### Avadhut Joshi, PhD

Johns Hopkins University, Baltimore Maryland

SPONSOR: Gregory Riggins, MD, PhD

RESEARCH: Evaluating Cardiac Glycosides for Glioblastoma Therapy

In honor of Matthew Trainham

### Ming Li, PhD

Ludwig Institute for Cancer Research, LaJolla, California

SPONSOR: Webster Cavenee, PhD

RESEARCH: Dissection of the Role of EGFR-Mediated hGBP1 Expressions in Glioblastoma

In memory of Richard Schaffner

**S. Kyun Lim, PhD**

University of Texas Southwestern, Dallas, Texas

2nd year of fellowship

In memory of Theodore Sapper

**Dan Liu, MD, PhD**

MD Anderson Cancer Center, Houston, Texas

SPONSOR: Candelaria Gomez-Manzano, MD

RESEARCH: Role of Tie2 in the Invasive Phenotype of Malignant Gliomas

In honor of Naomi L. Berkowitz

**Kan Lu, PhD**

University of California, San Francisco, California

2nd year of fellowship

In memory of Leonard Heyman

**Janine Lupo, PhD**

University of California, San Francisco, California

2nd year of fellowship

In honor of Joelle Syverson

**Joydeep Mukherjee, PhD**

Hospital for Sick Children, Toronto, Ontario, Canada

2nd year of fellowship

In memory of Paul Fabbri

**Theodore Nicolaidis, MD**

University of California, San Francisco, California

2nd year of fellowship In memory of John Carl Hipchen

**Ryan Nitta, PhD**

Stanford University Medical Center, Palo Alto, California

SPONSOR: Albert Wong, MD

RESEARCH: The Role of JNK2alpha2 in Glial Tumorigenesis

In memory of Mark Linder

**Michal Nowicki, PhD**

Ohio State University, Columbus, Ohio

2nd year of fellowship

In memory of Joel A. Gingras, Jr.

**Tatsuya Ozawa, MD, PhD**

Memorial Sloan-Kettering Cancer Center, New York, New York

SPONSOR: Eric Holland, MD, PhD

RESEARCH: The Functional Analysis of a Novel Fusion Receptor Tyrosine Kinase in Glioma

In honor of Susan Kramer

**Donald Parsons, MD, PhD**

Johns Hopkins University, Baltimore, Maryland

2nd year of fellowship

Emily Dorfman Foundation for Children

**Anders Persson, PhD**

University of California, San Francisco, California

SPONSOR: William Weiss, MD, PhD

RESEARCH: Use of Aurora Kinase Inhibitors to Target Tumor-Initiating Glioblastoma Cells

In memory of Joel A. Gingras, Jr.

**Jennifer Rahn, PhD**

University of Calgary, Calgary, Alberta, Canada

SPONSOR: Stephen Robbins PhD

RESEARCH: Molecular and Cellular Characterization of Glioma Invasion and Vascularisation

In honor of Joelle Syverson

**Renee Read, PhD**

The Salk Institute for Biological Studies, LaJolla, California

SPONSOR: John Thomas, PhD

RESEARCH: A Novel Genetic Screen for Modifiers of Glioma Invasion and Proliferation

In memory of Jennifer Lynn Keith

**Ayguen Sahin, PhD**

Massachusetts General Hospital, Boston, Massachusetts

SPONSOR: Bob Carter, MD, PhD

RESEARCH: Improved Strategies for Adoptive Immunotherapy Against Glioblastoma Through "3rd Generation" Chimeric Receptor Engineered T Cells

In honor of Andy Schabow

**Massimo Squatrito, PhD**

Memorial Sloan-Kettering Cancer Center, New York, New York

SPONSOR: Eric Holland, MD, PhD

RESEARCH: Investigating the Role of Chk2 in Gliomagenesis and Cancer Stem Cell Resistance to Irradiation

In memory of Justin Porter

**Erik Sulman, MD, PhD**

MD Anderson Cancer Center, Houston, Texas

2nd year of fellowship

In memory of Marie Becker

**Peng Sun, MD, PhD**

Johns Hopkins University, Baltimore, Maryland

2nd year of fellowship

In memory of Terri Sepac Yarbrough

**Stacey Thomas, PhD**

Henry Ford Health System, Detroit, Michigan

SPONSOR: Sandra Rempel, PhD

RESEARCH: PTEN Regulation of SPARC-Mediated Glioma Cell Invasion and Survival

In memory of Jeffrey Baron

**Jialiang Wang, PhD**

Duke University Medical Center, Durham, North Carolina

SPONSOR: Jeremy Rich, MD

RESEARCH: Brain Tumor stem Cells Resist Cytokine-induced Apoptosis by Activating NF-kappaB

In memory of Ron Prime

**Xiaochong Wu, PhD**

*Hospital for Sick Children, Toronto, Ontario, Canada*

SPONSOR: Michael Taylor, MD, PhD

RESEARCH: *In Vivo Functional Genomics of Metastatic Medulloblastoma*

*In honor of Tracy Greenwood*

**Thomas Wurdinger, PhD**

*Massachusetts General Hospital, Charlestown, Massachusetts*

2nd year of fellowship

*In honor of Steve Kaplan*

**Haoqiang Ying, MD, PhD**

*Dana-Farber Cancer Institute, Boston, Massachusetts*

2nd year of fellowship

*In memory of Marsha Mae Moeslein*

**Qian Zhang, PhD**

*University of North Carolina, Chapel Hill, North Carolina*

2nd year of fellowship

*In memory of David A. DePaul*

**Donghong Zhao, PhD**

*City of Hope & Beckman Research Institute, Duarte, California*

2nd year of fellowship

*In memory of Joel A. Gingras, Jr.*

**Haotian Zhao, PhD**

*St. Jude Children's Research Hospital, Memphis, Tennessee*

SPONSOR: Martine Roussel, PhD

RESEARCH: *BMP-Math1 Pathway, a Novel Target in Medulloblastoma*

*In memory of Cynthia Villone*

**TRANSLATIONAL GRANTS**

**Nabil Ahmed, MD**

*Baylor College of Medicine, Houston, Texas*

RESEARCH: *Adoptive Immunotherapy for Glioblastoma Multiforme*

*In honor of Mr. & Mrs William L. Jackson*

**G-One Ahn, PhD**

*Stanford University, Daly City, California*

RESEARCH: *The Role of Myleomonocytic Cells in Radiosensitivity of Brain Tumors*

*In memory of Gary Slezak*

**Joseph Lasky, III, MD**

*University of Californis, Los Angeles, California*

RESEARCH: *Immunotherapeutic Targeting of Stem Cells in Pediatric Brain Tumors*

*Emily Dorfman Foundation for Children*

**Ichiro Nakano MD, PhD**

*University of California, Los Angeles, California*

RESEARCH: *Targeting the Key Signaling Pathways in Brain Tumor Stem Cells*

*In memory of Vincent J. Sgro, Esq.*

**Sridhar Nimmagadda, PhD**

*Johns Hopkins, Baltimore, Maryland*

RESEARCH: *Radiolabeled Analogs of CXCR4 for Brain Tumor Imaging*

*In memory of Michael Sholek*

**Baogang Xu, PhD**

*Vanderbilt University School of Medicine, Nashville, Tennessee*

RESEARCH: *Identification of Potential Plasma Protein Markers for Early Detection of Glioblastoma Multiforme and Recurrence*

*In memory of Dana Jay Lesnever*

**PROJECT GRANTS**

**Nathalie Agar, PhD**

*Brigham and Women's Hospital, Boston, Massachusetts*

RESEARCH: *Intraoperative Molecular Diagnosis of Gliomas for Personalized Treatment*

*In memory of Maurice (Mo) Dailey*

**Markus Bredel, MD, PhD**

*Northwestern University, Chicago, Illinois*

RESEARCH: *A Network of Endogenous Modulators of Nuclear GFactor-kappaB in Treatment Resistance of High-Grade Gliomas*

*In memory of Mike Gardner*

# MEDICAL STUDENT SUMMER FELLOWSHIPS

## Columbia University, New York, New York

MENTOR: Jeffrey Bruce, MD  
STUDENT: Isaac Chan  
RESEARCH: The Role of Glial Progenitor Cells in Gliomas  
In memory of Bradley Benton Davis

## Duke University Medical Center, Durham, North Carolina

MENTOR: Cory Adamson, MD, PhD, MPH, MHS  
STUDENT: Jonathan Nakhla  
RESEARCH: Exploring the Role of the Novel Oncogene OTX2 in Pineoblastoma and Retinoblastoma  
The Daniel F. and Ada L. Rice Foundation

## Johns Hopkins University, Baltimore, Maryland

MENTOR: George Jallo, MD  
STUDENT: Aditya Halthore  
RESEARCH: Predictors of Neurological Outcomes Following Surgery for High-Grade and Low-Grade Gliomas  
In memory of Bradley Benton Davis

## Johns Hopkins University, Baltimore, Maryland

MENTOR: Alfredo Quinones-Hinojosa, MD  
STUDENT: Amar Patel  
RESEARCH: The Effects of Hyperglycemia on Glioma Proliferation, Migration and invasion  
In memory of Stephanie Lee Kramer

## St. Jude Children's Research Hospital, Memphis, Tennessee

MENTOR: Richard Gilbertson, MD, PhD  
STUDENT: Danielle Alfano  
RESEARCH: Is NOTCH1 an Ependymoma Oncogene?  
In memory of David B. Anderson

## Stanford University School of Medicine, Stanford, California

MENTOR: Xiaoyuan Chen, PhD  
STUDENT: Anand Veeravagu  
RESEARCH: Integrin- $\alpha$ v $\beta$ 3 Targeted Therapy of a Murine Xenograft Glioblastoma Model with RGD4C-TNF Fusion Protein  
In memory of Daniel Lazarus

## University of Alabama, Birmingham, Alabama

MENTOR: John Fiveash, MD  
STUDENT: Evan Tomas  
RESEARCH: Modulation of Radiation-induced Neural Tissue Toxicity with Chlorotoxin  
In memory of Kerrie Gulczynski Long

## University of California Children's Hospital, San Francisco

MENTOR: Nalin Gupta, PhD  
STUDENT: David Wilson  
RESEARCH: Are Single Nucleotide Polymorphisms (SNPs) in Allergy and Regulatory T Cell-Related Genes Associated with Glioma Risk?  
The Jerome & Ilene Cole Foundation

## University of Utah, Salt Lake City, Utah

MENTOR: Randy Jensen, MD, PhD  
STUDENT: Lindsay Burt  
RESEARCH: Calcium Channel Antagonists Potentiate Chemotherapeutic Growth Inhibition of Meningiomas Using a Novel Luciferase Expression Intracranial Mouse Model  
In memory of Bradley Benton Davis

## University of Utah, Salt Lake City, Utah

MENTOR: William Couldwell, MD, PhD  
STUDENT: Jawaria Khan  
RESEARCH: Multi-Factorial Analysis to Predict Recurrence Rate of Meningiomas  
In honor of Eric Markowitz

# 2007-2008 Awards

---

## BASIC RESEARCH FELLOWSHIPS

### Nabil Ahmed, MD

*Baylor College of Medicine, Houston, Texas*

2nd year of fellowship

*In memory of Justin Porter*

### Bipin Bobby Bhatia, PhD

*Memorial Sloan-Kettering Cancer Center, New York, New York*

SPONSOR: Anna Kenney, PhD

RESEARCH: Targeting mRNA Translation Machinery in Medulloblastoma

*In memory of Davis Ferguson*

### Pratip Bhattacharya, PhD

*Huntington Medical Research Institutes, Pasadena, California*

2nd year of fellowship

*In memory of Mildred Swanson*

### Anne-Marie Bleau, PhD

*Memorial Sloan-Kettering Cancer Center, New York, New York*

SPONSOR: Eric Holland, MD, PhD

RESEARCH: The Chemoresistance of CD133+ Cancer Stem Cells in Mouse Gliomas

*In memory of George Kamberos*

### Robert Dejournett, PhD

*M D Anderson Cancer Center, Houston, Texas*

SPONSOR: Oliver Bogler, PhD

RESEARCH: Role of Alix T745 Phosphorylation in EGF and Cisplatin mediated EGFR endocytosis

*In honor of the Segal Family*

### Allison Dillon, PhD

*University of California, San Francisco, California*

SPONSOR: David Rowitch, MD, PhD

RESEARCH: The Role of OTX2 in Medulloblastoma Initiation and Growth

*In memory of Jennifer Lynn Keith*

### Christopher Farrell, MD

*Massachusetts General Hospital, Boston, Massachusetts*

2nd year of fellowship

*In honor of Joelle Syverson*

### Galina Gabriely, PhD

*Brigham and Women's Hospital, Boston, Massachusetts*

SPONSOR: Anna Krichevsky, PhD

RESEARCH: A Role of MicroRNAs in Cancer Progression of Brain Tumors

*In memory of Paul Brazen*

### German Gomez, PhD

*Ludwig Institute for Cancer Research, LaJolla, California*

SPONSOR: Webster Cavenee, PhD

RESEARCH: MicroRNAs Regulated by EGFR Signaling in Glioblastoma

*In memory of Keith Powers*

### Constantinos Hadjipanayis, MD, PhD

*Emory University, Atlanta, Georgia*

2nd year of fellowship

*In honor of Charles and Megan Rego*

### Jason Huse, MD, PhD

*Memorial Sloan Kettering Cancer Center, New York, New York*

2nd year of fellowship

*In memory of David Tetenbaum Hope*

### Maria-del-Mar Inda, PhD

*Ludwig Institute for Cancer Research, La Jolla, California*

SPONSOR: Webster Cavenee, PhD

RESEARCH: Dissecting the Crosstalk Between wt and Mutant EGFR in Glioblastoma Multiforme

*In memory of Walter Terlik*

### Xiuli Jiang, PhD

*Brigham & Women's Hospital, Boston, Massachusetts*

2nd year of fellowship

*In honor of the Village of Vernon Hills*

### Deepak Kamnasaran, PhD

*Hospital for Sick Children, Toronto, Ontario, Canada*

SPONSOR: Abhijit Guha, MD, MSc

RESEARCH: Glial-Specific Conditional Knock-out of Gata6, a Novel Tumor Suppressor Gene in Human Gliomas Identified from Mouse Glioma Models by Gene-trapping

*In memory of Steven L. Amdur*

### Chang Kwon, PhD

*University of Texas Southwestern, Dallas, Texas*

2nd year of fellowship

*In memory of Geoffrey J. Cunningham*

### Mehua Li, PhD

*Hospital for Sick Children, Toronto, Ontario, Canada*

2nd year of fellowship

*In memory of Willie Kruchko*

### S. Kyun Lim, PhD

*University of Texas Southwestern, Dallas, Texas*

SPONSOR: Luis Parada, PhD

RESEARCH: Identifying Oncogenic Pathways in Mouse Brain Tumor Model

*In memory of Theodore Sapper*

### Kan Lu, PhD

*University of California, San Francisco, California*

SPONSOR: Gabriele Bergers, PhD

RESEARCH: Functional Significance and Recruitment Mechanisms of Bone Marrow-Derived Cells in Glioblastoma Multiforme

*In memory of Leonard Heyman*

**Janine Lupo, PhD**

University of California, San Francisco, California

SPONSOR: Sarah Nelson, PhD

RESEARCH: Development of Advanced MRI Methods for Non-Invasively Characterizing Changes in Brain Tumor Microvasculature

In honor of Joelle Syverson

**Joydeep Mukherjee, PhD**

Hospital for Sick Children, Toronto, Ontario, Canada

SPONSOR: Abhijit Guha, MD

RESEARCH: Regional Variations in Molecular Regulators of Angiogenesis, Invasion/Migration and Apoptosis in Glioblastoma Multiforme

In memory of Paul Fabbri

**Theodore Nicolaides, MD**

University of California, San Francisco, California

SPONSOR: William Weiss, MD, PhD

RESEARCH: Combination Targeted Therapy for Malignant Glioma

In memory of John Carl Hipchen

**Masayuki Nitta, MD, PhD**

Dana-Farber Cancer Institute, Boston, Massachusetts

2nd year of fellowship

In memory of Bill Heller

**Michal Nowicki, PhD**

Ohio State University, Columbus, Ohio

SPONSOR: E. Antonnio Chiocca, MD, PhD

RESEARCH: Investigating the Role of GSK-3 in Glioma Invasion

In memory of Joel A. Gingras, Jr.

**Donald Parsons, MD, PhD**

Johns Hopkins University, Baltimore, Maryland

SPONSOR: Victor Velculescu, MD, PhD

RESEARCH: A Comprehensive Mutation Analysis of the Medulloblastoma and Glioblastoma Genomes

Emily Dorfman Foundation for Children

**Joanna Phillips, MD, PhD**

University of California, San Francisco, California

2nd year of fellowship

In memory of Susan Resnick Fisher

**Deborah Scott, PhD**

Children's Hospital, Boston, Massachusetts

2nd year of fellowship

In memory of Stephanie Lee Kramer

**Erik Sulman, MD, PhD**

M D Anderson Cancer Center, Houston, Texas

SPONSOR: Kenneth Aldape, MD

RESEARCH: Functional Role of Podoplanin in Malignant Gliomas

In memory of Marie Becker

**Peng Sun, MD, PhD**

Johns Hopkins University, Baltimore, Maryland

SPONSOR: John Laterra, MD, PhD

RESEARCH: Acyl-CoA Synthetase VL3 (ACSVL3) and Glioma Malignancy

In memory of Terri Sepac Yarbrough

**Tamar Uziel, PhD**

St. Jude Children's Hospital, Memphis, Tennessee

2nd year of fellowship

Emily Dorfman Foundation for Children

**Kevin Weng, PhD**

University of California, San Francisco, California

2nd year of fellowship

In memory of Delores R. Malone

**Thomas Wurdinger, PhD**

Massachusetts General Hospital, Boston, Massachusetts

SPONSOR: Xandra Breakefield, PhD

RESEARCH: MicroRNA-Mediated Inhibition of Glioma Angiogenesis

In honor of Steve Kaplan

**Haoqiang Ying, MD, PhD**

Dana-Farber Cancer Institute, Boston, Massachusetts

SPONSOR: Ronald DePinho, MD

RESEARCH: The Role of Putative Tumor Suppressor MIG6 in Glioblastoma Development

In memory of Marsha Mae Moeslein

**Qian Zhang, PhD**

University of North Carolina, Chapel Hill, North Carolina

SPONSOR: Terry Van Dyke, PhD

RESEARCH: Investigation of EGFR Activation in GBM Development in a Mouse Model and Exploration of the Mechanism of Compensatory Activation of PDGFR Loss

In memory of David A. DePaul

**Donghong Zhao, PhD**

City of Hope & Beckman Research Institute, Duarte, California

SPONSOR: Karen Aboody, MD

RESEARCH: Improving Targeted Therapeutics for Malignant Glioma by Human Neural Stem Cells

In memory of Joel A. Gingras, Jr.

## TRANSLATIONAL GRANTS

### William Curry, Jr., MD

*Massachusetts General Hospital, Boston, Massachusetts*

RESEARCH: Oncolytic HSV-1 Infection of Brain Tumors and Combination Immunotherapy

In honor of Matt Trainham

### Xing Fan, PhD

*Johns Hopkins University, Baltimore, Maryland*

RESEARCH: Treatment of Medulloblastoma Intracranial Xenografts by Notch Inhibition

In memory of Kevin Mullin

### Nadeem Pervez, MD

*Cross Cancer Institute, Edmonton, Alberta, Canada*

RESEARCH: Nanoparticle-Hybrid Trail for Malignant Glioma Diagnosis

In honor of Andy Schabow

### Sandro Santagata, PhD

*Brigham & Women's Hospital, Boston, Massachusetts*

RESEARCH: Characterization of the Anti-Glioma Effects of Withaferin A, a Novel Natural Product Compound with Anti-Migration, Anti-Angiogenic and Anti-Proliferative Properties

In honor of Juliana S. Schafer

### Michael Taylor, MD

*Hospital for Sick Children, Toronto, Ontario, Canada*

RESEARCH: Molecular Predictors of Outcome in Infant Medulloblastoma

In memory of Joe Harrold

### Timothy Van Meter, PhD

*Virginia Commonwealth University, Richmond, Virginia*

RESEARCH: Targeted Silencing of the AKT2 Oncogene *in vivo*: A Novel Kinase Target for PNET

In honor of Cherise Fleming

## PROJECT GRANTS

### Albert Lai, MD, PhD

*University of California, Los Angeles, California*

RESEARCH: Gene Expression Profiling of Newly-Diagnosed Glioblastoma Receiving Upfront Treatment with Radiation, Temozolomide and Bevacizumab

In memory of Mark Linder

### Khalid Shah, MSc, PhD

*Massachusetts General Hospital, Boston, Massachusetts*

RESEARCH: Novel Stem Cell Based Therapy for Gliomas

In memory of Billy Misik

## MEDICAL STUDENT SUMMER FELLOWSHIPS

### Beth Israel Deaconess Medical Center, Boston, Massachusetts

MENTOR: Raghu Kalluri, PhD

STUDENT: Neal Chatterjee

RESEARCH: The Role of Pericytes and the Expression of PDGF Signaling  
In memory of John C. Carr, Jr.

### Cedars-Sinai Medical Center Los Angeles, California

MENTOR: Maria G. Castro, PhD

STUDENT: Sharon Lee

RESEARCH: Test of High Capacity Vectors Expressing HSV1-TK and FLT3L to Eradicate Intracranial Brain Tumors in a Rat Model  
In memory of Gary Krueger

### Children's Hospital Boston, Boston, Massachusetts

MENTOR: Laurie Jackson-Grusby, PhD

STUDENT: ChieYu Lin

RESEARCH: DNA Methylation Mediated Epigenetic Regulation of Cancer Stem Cells Involved in Medulloblastoma Tumorigenesis

In honor of Shane Smithson

### Children's National Medical Center, Washington, DC

MENTOR: Tobey MacDonald, MD

STUDENT: Amit Bhakoo

RESEARCH: Cancer Stem Cells in Pediatric Gliomas  
In memory of Stephanie Lee Kramer

### Columbia University, New York, New York

MENTOR: Jeffrey Bruce, MD

STUDENT: Daniel Birk

RESEARCH: Characterization of Survival and Proliferation Signal Cascades in a PDGF Driven Glioma Model

In memory of Curt Koehler

### Hospital for Sick Children, Toronto, Ontario, Canada

MENTOR: Annie Huang, MD, PhD

STUDENT: Amy Fang

RESEARCH: Mapping of a candidate sPNET locus on chromosome19q  
In memory of Bradley Benton Davis

### Massachusetts General Hospital, Boston, Massachusetts

MENTOR: Dan Cahill, MD, PhD  
STUDENT: Pankaj Agarwalla  
RESEARCH: Examining the Relationship between Non-Small-Cell Lung Cancer Treated with an EGFR Kinase Inhibitor and CNS Metastases  
In memory of David B. Anderson

### Massachusetts General Hospital, Boston, Massachusetts

MENTOR: Khalid Shah, PhD  
STUDENT: Vibhav Rangarajan  
RESEARCH: Neural Stem Cells and Engineered Cell Lines Expressing Therapeutic Proteins to Eradicate Gliomas  
In memory of Kerrie Gulczynski Long

### Massachusetts General Hospital, Boston, Massachusetts

MENTOR: Samuel Rabkin, PhD  
STUDENT: Harpal Sandhu  
RESEARCH: Glioblastoma Cancer Cells as Targets for Oncolytic Herpes Simplex Virus  
In memory of Dr. Gary Freidenberg

### Massachusetts General Hospital, Boston, Massachusetts

MENTOR: Arnab Chakvarti, MD  
STUDENT: Anshu Skukla  
RESEARCH: Test Whether Binding between HIF-1a and PI3K-P85 Leads to Decreased Sensitivity to Chemotherapy and Radiation  
In memory of Bradley Benton Davic

### Ohio State University, Columbus, Ohio

MENTOR: Balveen Kaur, PhD  
STUDENT: Jennifer Gerckens  
RESEARCH: Enhancing the Therapeutic Potential of Oncolytic Viruses  
In honor of Judy Morris

### St. Jude Children's Hospital, Memphis, Tennessee

MENTOR: Richard Gilbertson, MD, PhD  
STUDENT: Deepam Rusia  
RESEARCH: Development of molecular targeted treatments of WNT pathway mutant medulloblastoma  
In memory of Callie Rohr

### Texas A & M University, College Station, Texas

MENTOR: Rajesh Miranda, PhD  
STUDENT: Ravi Kumar  
RESEARCH: Manipulating the Survival of Stem Cells in Astrocytomas  
In memory of Mary Lou McGrath

### University of California, Los Angeles, California

MENTOR: Albert Lai, MD, PhD  
STUDENT: Arthur Chou  
RESEARCH: In Silico Modeling of Differential Methylation Hybridization for Genome-wide Methylation Profiling of Glioblastoma.  
In memory of Mary Paterno

### University of California, Los Angeles, California

MENTOR: Linda Liau, MD, PhD  
STUDENT: Haumith Khan-Farooqi  
RESEARCH: Adjuvant use of Anti-CTLA-4 Monoclonal Antibody in the Treatment of Murine Intracranial Tumors Using Dendritic Cell Vaccination and T-Cell Adoptive Transfer  
In memory of Nandu Sound

### University of California, San Francisco, California

MENTOR: Nalin Gupta, MD, PhD  
STUDENT: Frank Valone III  
RESEARCH: Convection-Enhanced and Intra-Nasal Delivery of Therapeutic Agents to the Rodent Brain Stem Model  
In honor of Ahnya Mendes

# 2006-2007 Awards

---

## BASIC RESEARCH FELLOWSHIPS

### **Nathalie Agar, PhD**

*Brigham & Women's Hospital, Boston, Massachusetts*  
2nd year of fellowship  
*In honor of Rick Siwek*

### **Nabil Ahmed, MD**

*Baylor College of Medicine, Houston, Texas*

**SPONSOR:** David Poplack, MD

**RESEARCH:** Adoptive Immunotherapy for Medulloblastoma with HER2-redirectioned T-cells

*In memory of Justin Porter*

### **Marta Alonso, PhD**

*MD Anderson Cancer Center, Houston, Texas*

2nd year of fellowship

*In honor of Harper Rowland*

### **Clinton Baird, MD**

*Johns Hopkins University, Baltimore, Maryland*

**SPONSOR:** Drew Pardoll, MD, PhD

**RESEARCH:** Mesenchymal Stem Cell Delivery of Cytokine Based Gene Therapy for the Treatment of Glioma

*In honor of Andy Schabow*

### **Krishna Bhat, PhD**

*MD Anderson Cancer Center, Houston, Texas*

2nd year of fellowship

*In memory of Jon Michael Koellner*

### **Pratip Bhattacharya, PhD**

*Huntington Medical Research Institute, Pasadena, California*

**SPONSOR:** Brian D. Ross, MD

**RESEARCH:** Ultra-fast Carbon 13 Imaging and Spectroscopy for Early Diagnosis of Brain Tumor in Rodents

*In memory of Mildred Swanson*

### **John Boockvar, MD**

*Weill Cornell Medical College, New York, New York*

2nd year of fellowship

*In memory of Francis X. Colden, III*

### **Aubri Charboneau, PhD**

*University of North Carolina, Chapel Hill, North Carolina*

2nd year of fellowship

*In memory of Chad Dunbar*

### **Wook Joon Chung, PhD**

*University of Alabama, Birmingham, Alabama*

2nd year of fellowship

*In memory of Penny Stowell*

### **Luni Emdad, PhD**

*Columbia University, New York, New York*

2nd year of fellowship

*In honor of Joelle Syverson*

### **Silvia Espejel, PhD**

*University of California, San Francisco, California*

2nd year of fellowship

*In memory of David A. DePaul*

### **Xing Fan, PhD**

*Johns Hopkins University, Baltimore, Maryland*

2nd year of fellowship

*In honor of Matthew Passarella*

### **Christopher Farrell, MD**

*Massachusetts General Hospital, Boston, Massachusetts*

**SPONSOR:** Samuel Rabkin, PhD

**RESEARCH:** Combination therapy with the multmutated oncolytic herpes virus G207 & dendritic cell augmentation leads to improved glioma treatment

*In honor of Joelle Syverson*

### **Constantinos Hadjipanayis, MD, PhD**

*University of Pittsburgh, Pittsburgh, Pennsylvania*

**SPONSOR:** Neal DeLuca, PhD

**RESEARCH:** HSV-1 Convection Enhanced Delivery and Chemoradiosensitivity Enhancement in a Human Glioma Model

*In honor of Charles and Megan Rego*

### **Young-Goo Han, PhD**

*University of California, San Francisco, California*

2nd year of fellowship

*In memory of Mark Linder*

### **Anita Hjelmeland-Borton, PhD**

*Duke University, Durham, North Carolina*

2nd year of fellowship

*In memory of Paul Brazen*

### **Emmanuelle Huillard, PhD**

*University of California, San Francisco, California*

2nd year of fellowship

*In memory of Robert K. Olszki*

### **Jason Huse, MD, PhD**

*Memorial Sloan Kettering Cancer Center, New York, New York*

**SPONSOR:** Eric Holland, MD

**RESEARCH:** A Study of the Role of MicroRNAs in brain tumor pathogenesis

*In memory of David Tetenbaum Hope*

### **Xiuli Jiang, PhD**

*Brigham & Women's Hospital, Boston, Massachusetts*

**SPONSOR:** Mark Johnson, MD, PhD

**RESEARCH:** The Wnt Pathway and Phenotypic Differences Among Low Grade Gliomas

*In honor of the Village of Vernon Hills*

### **Natalie Karpinich, PhD**

*University of North Carolina, Chapel Hill, North Carolina*

**SPONSOR:** Terry Van Dyke, PhD

**RESEARCH:** Role of PTEN in Astrocytoma Suppression

*In memory of Steven Amdur*

**Chang Kwon, PhD**

University of Texas Southwestern, Dallas, Texas

**SPONSOR:** Luis Parada, PhD

**RESEARCH:** Cellular origin and therapeutic targets of malignant astrocytomas

*In memory of Geoffrey J. Cunningham*

**Albert Lai, MD, PhD**

University of California, Los Angeles, California

2nd year of fellowship

*In memory of Michael Reiss*

**Meihua Li, PhD**

Hospital for Sick Children, Toronto, Ontario, Canada

**SPONSORS:** Annie Huang, MD PhD

James Rutka, MD, PhD

**RESEARCH:** Genomic Analyses of Pediatric Supratentorial Primitive Neuroectodermal Tumours

*In memory of Willie Kruchko*

**Yunqing Li, PhD**

University of Virginia, Charlottesville, Virginia

2nd year of fellowship

*In memory of Jean Maxwell*

**Tomotoshi Marumoto, MD, PhD**

The Salk Institute, La Jolla, California

2nd year of fellowship

*In memory of Larry Horberg*

**J. Matthew McDonald, PhD**

MD Anderson Cancer Center, Houston, Texas

**SPONSOR:** Kenneth Aldape, MD

**RESEARCH:** A multi-gene predictor of response to temozolomide-chemoradiation in glioblastoma

*In memory of Joel A. Gingras, Jr.*

**Fabiana Morales, PhD**

MD Anderson Cancer Center, Houston, Texas

2nd year of fellowship

*In memory of Joel A. Gingras, Jr.*

**Akitake Mukasa, PhD**

Ludwig Institute for Cancer Research, La Jolla, California

2nd year of fellowship

*In memory of Paul Taylor*

**Masayuki Nitta, MD, PhD**

Dana-Farber Cancer Institute, Boston, Massachusetts

**SPONSOR:** David Pellman, MD

**RESEARCH:** Targeting multiple centrosomes: A novel strategy for glioma therapeutics

*In memory of Bill Heller*

**Joanna Phillips, MD, PhD**

University of California, San Francisco, California

**SPONSOR:** Zena Werb, PhD

**RESEARCH:** The role of the tumor microenvironment in progression of glial tumors

*In honor of Susan Resnick Fisher*

**Deborah Scott, PhD**

Children's Hospital, Boston, Massachusetts

**SPONSOR:** Scott Pomeroy, MD

**RESEARCH:** Analysis of the Neuralized Candidate Tumor Suppressor Gene in Medulloblastoma

*In memory of Stephanie Lee Kramer*

**Jayne Stommel, PhD**

Dana-Farber Cancer Institute, Boston, Massachusetts

**SPONSOR:** Ronald DePinho, MD

**RESEARCH:** Identification and characterization of oncogenic tyrosine kinases in glioblastoma

*In memory of Tom Ostoich*

**Michael Taylor, MD**

Hospital for Sick Children, Toronto, Ontario, Canada

2nd year of fellowship

*Emily Dorfman Foundation for Children*

**Tamar Uziel, PhD**

St. Jude Children's Hospital, Memphis, Tennessee

**SPONSOR:** Martine Roussel, PhD

**RESEARCH:** Identification of Genes Involved in Medulloblastoma Genesis

*Emily Dorfman Foundation for Children*

**Kevin Weng, PhD**

University of California, San Francisco, California

**SPONSOR:** John Park, MD

**RESEARCH:** Improving Targeted Therapeutics for Brain Tumors by Quantum Dot-Conjugated Immunoliposome Nanocomplexes

*In memory of Delores R. Malone*

**Ching Yim, PhD**

Beth Israel Deaconess Medical Center, Boston, Massachusetts

2nd year of fellowship

*In memory of Barbara Joan Casalinova Kanche*

**Pengcheng Zhou, PhD**

Dana-Farber Cancer Institute, Boston, Massachusetts

2nd year of fellowship

*In honor of Trudy Bettiker*

**TRANSLATIONAL GRANTS****Vladimir Belozеров, PhD**

Emory University, Atlanta, Georgia

**RESEARCH:** Translational study of a novel HIF inhibitor for the treatment of malignant gliomas

*In memory of Barbara Price*

**Craig Castellino, MD**

Texas Children's Cancer Center, Houston, Texas

Emory University, Atlanta, Georgia

**RESEARCH:** WIP1 Modulates Responsiveness of Medulloblastoma to Genotoxic Stress

*In memory of Stephanie Lee Kramer*

## TRANSLATIONAL GRANTS (continued)

### Steven Kalkanis, MD

*Henry Ford Health System, Detroit, Michigan*

**RESEARCH:** Cell-Based Gene Therapy for Malignant Glioma  
*In memory of Vincent J. Sgro, Esq.*

### Santosh Kesari, MD, PhD

*Dana-Farber Cancer Institute, Boston, Massachusetts*

**RESEARCH:** RNAi Inhibition of Olig Genes in Human Gliomas  
*In memory of Theodore Sapper*

### Duane Mitchell, MD, PhD

*Duke University, Durham, North Carolina*

**RESEARCH:** Enhancement of total tumor RNA loaded dendritic cell  
Vaccines through targeted removal of regulatory T cells  
*In memory of Jeff Baron*

### Mahmud Uzzaman, PhD

*Mt. Sinai School of Medicine, New York, New York*

**RESEARCH:** Gene Therapy Vector for Malignant Glioma  
Using Embryonic Stem Cell  
*In memory of Jose Diaz*

### Kevin Walter MD

*University of Pittsburgh, Pittsburgh, Pennsylvania (7 months)*

*University of Rochester, Rochester, New York (5 months)*

**RESEARCH:** Isolation of Selective Microvascular Endothelial  
Cell Targets Critical for Brain Tumor Angiogenesis  
*In memory of Denise Kimball*

## PROJECT GRANT

### Khalid Shah, PhD

*Massachusetts General Hospital, Boston, Massachusetts*

**RESEARCH:** Glioma therapy by specifically targeting different  
variants of EGFR

## MEDICAL STUDENT RESEARCH FELLOWSHIP

Johns Hopkins University School of Medicine, Baltimore, Maryland

**MENTOR:** Alfredo Quinones-Hinojosa, MD

**STUDENT:** Kaisorn Chaichana

**RESEARCH:** Ascertaining the Phenotype of Migrating Glioblastoma  
Multiforme and Subventricular Zone-Derived Cells Under  
Mitogenic Stimulation

## MEDICAL STUDENT SUMMER FELLOWSHIPS

Columbia University, New York, New York

**MENTOR:** Jeffrey Bruce, MD

**STUDENT:** Marie Rogulski

**RESEARCH:** Neural Progenitor Cell Recruitment by Human Brain  
Tumors of Non-Glial Origin

*In memory of Bill Chapman*

Johns Hopkins University, Baltimore, Maryland

**MENTOR:** George Jallo, MD

**STUDENT:** Neena Marupudi

**RESEARCH:** Geldanamycin and Radanamycin Therapy  
in a Rat Brainstem Tumor Model

*In memory of Gary M. Slezak*

Massachusetts General Hospital, Charlestown, Massachusetts

**MENTOR:** Dan Cahill, MD, PhD

**STUDENT:** Patrick J. Codd

**RESEARCH:** Study of the Molecular Genetics of Brain Tumor  
Therapeutic Resistance

*In memory of Robert Michael Stahr*

Massachusetts General Hospital, Charlestown, Massachusetts

**MENTOR:** Catherine L. Nutt, PhD

**STUDENT:** Kevin Park

**RESEARCH:** Validation of Gene Expression Profiles in  
Anaplastic Oligodendrogliomas

*In memory of Stella Sandris*

Ohio State University Medical Center, Columbus, Ohio

**MENTORS:** E. A. Chiocca, MD, PhD

Balveen Kaur, PhD

**STUDENT:** Joshua Shroll

**RESEARCH:** The Role of Oncolytic Virus (OV)-Induced Extracellular  
Cyr61 in Modulating OV Replication in Glioma

*In memory of Kerrie Gulczynski Long*

*Winner of ABTA Lucien J. Rubinstein Memorial Award*

Rush University, Cook County Hospital, Chicago, Illinois

**MENTORS:** Roberta Glick, MD

Terry Lichtor, MD, PhD

**STUDENT:** Lisa Feldman

**RESEARCH:** Mechanisms of Immunosuppression in  
Brain Tumor Patients

*In memory of Elvira Burgos*

Stanford University, Stanford, California

**MENTOR:** M. Yashar S. Kalani, PhD

**STUDENT:** Simon Bababegy

**RESEARCH:** Vascular endothelial growth factor receptor (VEGFR)  
targeted therapy of orthotopic glioblastoma xenografts  
using VEGF121/rGel fusion protein

*In memory of David B. Anderson*

Stanford University, Stanford, California

**MENTORS:** Victor Tse, MD, PhD

Xiaoyuan Chen, PhD

**STUDENT:** Andrew R. Hsu

**RESEARCH:** The Role of the Wnt Signaling Pathway in  
Neurogenesis and Neural Development

*In memory of Bradley Benton Davis*

University of California, San Francisco, California

**MENTOR:** Mitchel S. Berger, MD

**STUDENT:** David Stahl

**RESEARCH:** Creation of a cogent database of the top 20  
molecular markers reported in Glioma outcomes  
based studies

*In memory of Callie Rohr*

# 2005-2006 Awards

---

## BASIC RESEARCH FELLOWSHIPS

### David Adamson, MD, PhD

Duke University, Raleigh, North Carolina

2nd year of fellowship

In memory of Marie Becker

### Nathalie Agar, PhD

Brigham & Women's Hospital, Boston, Massachusetts

SPONSOR: Peter M. Black, MD, PhD

Rolando Del Maestro, MD, PhD

RESEARCH: Characterization of a novel protein involved in glioma invasion

In honor of Rick Sivew

### Manish Aghi, MD, PhD

Massachusetts General Hospital, Boston, Massachusetts

2nd year of fellowship

In memory of Joel A. Gingras, Jr.

### Marta Alonso, PhD

MD Anderson Cancer Center, Houston, Texas

SPONSOR: Juan Fueyo, MD

RESEARCH: Construction and characterization of Icovir a new transcriptionally targeted and regulable adenovirus for genetic therapy of gliomas

In honor of Harper Rowland

### Juan Arevalo, PhD

New York University School of Medicine, New York, New York

2nd year of fellowship

In memory of Laurie Deierlein

### Krishna Bhat, PhD

MD Anderson Cancer Center, Houston, Texas

SPONSOR: Kenneth Aldape, MD

RESEARCH: Regulation and role of YKL-40 in Glioblastoma

In memory of Jon Michael Koellner

### John Boockvar, MD

Weill Cornell Medical College, New York, New York

SPONSOR: Eric Holland, MD, PhD

RESEARCH: EGFR signaling and human progenitor cell phenotype

In memory of Francis X. Colden, III

### Aubri Charboneau, PhD

University of North Carolina, Chapel Hill, North Carolina

SPONSOR: Bernard Weissman, PhD

RESEARCH: P-Akt/SNF5 signaling interactions in rhabdoid tumors

In memory of Chad Dunbar

### Wook Joon Chung, PhD

University of Alabama, Birmingham, Alabama

SPONSOR: Harald Sontheimer, PhD

RESEARCH: Inhibition of cystine uptake disrupts the growth of primary brain tumors

In memory of Penny Stowell

### Shumin Dong, PhD

Massachusetts General Hospital, Boston, Massachusetts

2nd year of fellowship

In memory of George Kamberos

### Luni Emdad, PhD

Columbia University, New York, New York

SPONSOR: Jeffrey Bruce, MD

RESEARCH: Astrocyte Elevated Gene (AEG)-1: Novel Diagnostic and/or Prognostic Marker of Brain Tumors

In honor of Joelle Syverson

### Silvia Espejel, PhD

University of California, San Francisco, California

SPONSOR: Arturo Alvarez-Buylla, PhD

RESEARCH: Mechanism of cell fusion between blood and brain: Does this process contribute to cancer?

In memory of David A. DePaul

### Xing Fan, PhD

Johns Hopkins University, Baltimore, Maryland

SPONSOR: Charles Eberhart, MD, PhD

RESEARCH: Inhibition of Pediatric Brain Tumor Growth by Notch Pathway Blockade

In honor of Matthew Passarella

### Young-Goo Han, PhD

University of California, San Francisco, California

SPONSOR: Arturo Alvarez-Buylla, PhD

RESEARCH: The role of stem cell cilia in adult neural stem cell regulation

In honor of Mark Linder

### Anita Hjelmeland-Borton, PhD

Duke University, Durham, North Carolina

SPONSOR: Jeremy Rich, MD

RESEARCH: Glioma Responses to TGF $\beta$  Shift Towards Pro-Tumorigenesis in the Absence of PTEN

In memory of Paul Brazen

### Emmanuelle Huillard, PhD

Dana-Farber Cancer Institute, Boston, Massachusetts

SPONSOR: David Rowitch, MD, PhD

RESEARCH: Function of Olig genes in gliomagenesis

In memory of Robert K. Olandzki

### Yvonne Kew, MD, PhD

MD Anderson Cancer Center, Houston, Texas

2nd year of fellowship

In memory of Justin Porter

### Erika Kullberg, PhD

University of California, San Francisco, California

SPONSOR: John Park, MD

RESEARCH: Novel MAB-targeted nanoparticles/immunoliposomes for targeting brain tumors

In memory of Richard Schaffner

**Chang Kwon, PhD**

University of Texas Southwestern, Dallas, Texas  
2nd year of fellowship  
*In memory of Daniel J. Martinelli*

**Albert Lai, MD, PhD**

University of California, Los Angeles, California  
**SPONSOR:** Andrew Charles, MD  
**RESEARCH:** Role of Cx43 in Glioma Migration  
*In memory of Michael Reiss*

**Yunqing Li, PhD**

University of Virginia, Charlottesville, Virginia  
**SPONSOR:** Roger Abounader, MD, PhD  
**RESEARCH:** Co-regulation of human embryonal CNS tumor malignancy by c-Met and c-Myc  
*In memory of Jean Maxwell*

**Tomotoshi Marumoto, MD, PhD**

The Salk Institute, La Jolla, California  
**SPONSOR:** Inder Verma, PhD  
**RESEARCH:** Exploring the cell of origin of glioblastoma  
*In memory of Larry Horberg*

**Fabiana Morales, PhD**

MD Anderson Cancer Center, Houston, Texas  
**SPONSOR:** Maria-Magdalena Georgescu, MD, PhD  
**RESEARCH:** Characterization of a Molecular Connection Between PTEN and NF2 Tumor Suppressors  
*In memory of Joel A. Gingras, Jr.*

**Akitake Mukasa, PhD**

Ludwig Institute for Cancer Research, La Jolla, California  
**SPONSOR:** Webster Cavenee, PhD  
**RESEARCH:** Analysis of EGFR and Alternative Pathways in Glioblastoma which Enhance Tumor Growth  
*In memory of Paul Taylor*

**Julie Radeff-Huang, PhD**

University of California, San Diego, California  
2nd year of fellowship  
*In memory of Paul Fabbri*

**Yufang Shao, PhD**

Memorial Sloan Kettering Cancer Center, New York, New York  
2nd year of fellowship  
*In memory of Tiffany Townsend Daniels*

**Susan Spiller, MD**

Fred Hutchinson Cancer Research Center, Seattle, Washington  
2nd year of fellowship  
*Emily Dorfman Foundation for Children*

**Michael Taylor, MD**

Hospital for Sick Children, Toronto, Ontario, Canada  
**SPONSOR:** James Rutka, MD, PhD  
**RESEARCH:** Identification of Novel Medulloblastoma Oncogenes Using Functional Genomics  
*Emily Dorfman Foundation for Children*

**Mariano Viapiano, PhD**

Yale University School of Medicine  
2nd year of fellowship  
*Butler Family Foundation*

**Ching Yim, PhD**

Beth Israel Deaconess Medical Center, Boston, Massachusetts  
**SPONSOR:** Joyce Fingerroth, MD  
**RESEARCH:** EBV-Positive Primary CNS lymphoma - the role of BCR and its co-receptors in the disruption of EBV latency  
*In memory of Barbara Joan Casalinova Kanche*

**Pengcheng Zhou, PhD**

Dana-Farber Cancer Institute, Boston, Massachusetts  
**SPONSOR:** Rosalind Segal, MD, PhD  
**RESEARCH:** The role of Rac-Tiam 1 signaling in brain tumor cell invasion  
*In honor of Trudy Bettiker*

**TRANSLATIONAL GRANTS****Andrew Lassman, MD**

Memorial Sloan-Kettering Cancer Center, New York, New York  
**RESEARCH:** Using Mouse Models to Tailor Therapy for Gliomas with Small Molecular Inhibitors  
*In memory of David Joel Viner*

**Claire Sauvageot, PhD**

Dana-Farber Cancer Institute, Boston, Massachusetts  
**RESEARCH:** Targeted Combinational Therapeutics for Glioblastoma Multiforme  
*In memory of Mark Richard Kolitz*

**Nhan Le Tran, PhD**

Translational Genomics Research Institute, Phoenix, Arizona  
**RESEARCH:** Preclinical Evaluation of Targeting the TWEAK-Fn14 signaling system in invasive glioma  
*In memory of Russell Becker*

**PROJECT GRANT****L. Gerard Toussaint, MD and Joon Uhm, MD**

Mayo Clinic, Rochester, Minnesota  
**RESEARCH:** Targeting Invasion by Convection-Enhanced Delivery of siRNA to Pyk2  
*In memory of Steven Wayne White*

## MEDICAL STUDENT SUMMER FELLOWSHIPS

### Brigham & Women's Hospital, Boston, Massachusetts

MENTORS: Lois Lampson, PhD  
STUDENT: Dennis Meredith  
RESEARCH: Estrogen and TNF-mediated modulation of brain metastases from mammary carcinoma

*In memory of Stephanie Lee Kramer*

### Cedars-Sinai Hospital, Los Angeles, California

MENTOR: Keith L. Black, MD  
STUDENT: Shyam Goverdhana  
RESEARCH: CD8 RTEs in adoptive immune therapy for glioma

*In memory of David B. Anderson*

### Columbia University, New York, New York

MENTOR: Jeffrey N. Bruce, MD  
STUDENT: Spencer C. Smith  
RESEARCH: CED of Topotecan in PDGF Over-Expressing Retrovirus Rat Glioma Model

*In memory of Bradley Benton Davis*

### H. Lee Moffit Cancer Center, Tampa, Florida

MENTOR: Steven Brem, MD  
STUDENT: Mark Collins  
RESEARCH: Inhibiting Angiogenesis and Tumorigenesis in Brain Tumors with a Novel Synthetic Molecule, Growth Factor Binder (GFB)-204

*In memory of Kerrie Gulczynski Long*

### St. Jude Children's Hospital, Memphis, Tennessee

MENTOR: Richard Gilbertson, MD, PhD  
STUDENT: Sarah Elizabeth Martin  
RESEARCH: Analysis of the developmental and molecular origins of medulloblastoma genetic subgroups

*In memory of Kathryn Harris Gutow  
Winner of ABTA Lucien J. Rubinstein Memorial Award*

### University of California, San Francisco, California

MENTOR: Andrew T. Parsa, MD, PhD  
STUDENT: Ryan Gallagher  
RESEARCH: Glioma immunotherapy and Akt/PhB pathway inhibition

*In memory of John C. Carr, Jr.*

### University of California, San Francisco, California

MENTOR: Nalin Gupta, MD, PhD  
STUDENT: Tene Cage  
RESEARCH: The role of SDF1 and HGF in medulloblastoma invasion using an embryonic brain model

*In memory of Nancy Bunn Murnighan  
Winner of ABTA Lucien J. Rubinstein Memorial Award*

### University of Pittsburgh, Pittsburgh, Pennsylvania

MENTORS: Kevin A. Walter, MD  
STUDENT: Eveline Shue  
RESEARCH: The role of plasmalemmal vesicle protein-1, PV-1, in brain tumor angiogenesis

*Emily Dorfman Foundation for Children  
Winner of ABTA Lucien J. Rubinstein Memorial Award*

### University of Texas, San Antonio, Texas

MENTORS: Martin Fuss, MD, PhD  
STUDENT: Clifton David Fuller  
RESEARCH: Radiobiological characterization of post-radiation P13K/Akt mediated anoikis in primary CNS malignancy cell lines

*In memory of Michael Sholek*

## American Brain Tumor Association

2720 River Road - Des Plaines, Illinois 60018

847.827.9910 TEL 847.827.9918 FAX [info@abta.org](mailto:info@abta.org) EMAIL [www.abta.org](http://www.abta.org) WEB