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[Paul A. Meyers, MD](#) (Chief)

[Julia Glade Bender, MD](#) (Vice Chair, Clinical Research)

[Leonard H. Wexler, MD](#)

[Emily Slotkin, MD](#)

[Filemon Dela Cruz, MD](#)

[Alex Kentsis, MD, PhD](#)

[Michael V. Ortiz, MD](#)

Neuroblastoma

The [neuroblastoma](#) team, which directs the care of over 100 new patients with neuroblastoma annually, has pioneered dose-intensive chemotherapy combined with tumor-seeking monoclonal antibody conjugates in the treatment of neuroblastoma; introduced revised staging criteria for evaluation of disease in infants; and developed novel strategies for detection of minimal residual disease. Current clinical research includes studies of genetically engineered immunotoxins, radio-conjugates, idiotype vaccines, and novel biologicals to enhance tumor-targeted immunotherapies; and exploration of intrathecally administered radio-conjugates for the eradication of leptomeningeal metastases of neuroectodermal and selected epithelial tumors.

[Shakeel Modak, MBBS](#) (Chief)

[Nai-Kong V. Cheung, MD, PhD](#)

[Fiorella Iglesias Cardenas, MD, MS](#)

[Brian H. Kushner, MD](#)

[Kim Kramer, MD](#)

[Ellen Basu, MD PhD](#)

Hematologic Malignancies

This team pioneered the development of effective approaches for patients with high-risk forms of acute lymphoblastic leukemia, and has recently introduced promising new agents, such as clofarabine, in the treatment of childhood leukemias. The Developmental Therapeutics Program within the group is also conducting phase I and II trials of a series of new agents in the treatment of [leukemias](#) and [lymphomas](#), as well as new agents to treat selected solid tumors resistant to existing combinations of chemotherapeutic agents.

[Maria Luisa Sulis, MD](#) (Chief)

[Peter G. Steinherz, MD](#)

[Tanya M. Trippett, MD](#)

[Neerav Shukla, MD](#)

[Christopher Forlenza, MD](#)

[Kavitha Ramaswamy, MD](#)

[Alex Kentsis, MD, PhD](#)

Neuro-Oncology

This team has developed and explored dose-intensive chemotherapy combined with autologous marrow transplants in the treatment of [brain tumors](#) and widely metastatic retinoblastoma, and introduced radiation-sparing regimens for the treatment of central nervous system (CNS) germ cell tumors. Recently, the team introduced the adjuvant use of intrathecally administered tumor-reactive monoclonal antibodies conjugated to radioisotopes to treat and prevent leptomeningeal metastases of medulloblastoma. Analyses of genomic and proteomic signatures of gliomas and medulloblastomas are also being conducted to identify distinctive factors of these tumors that could be targeted by drugs, biologicals or targeted immunotherapies.

[Matthias Karajannis, MD, MS](#) (Chief)

[Ira J. Dunkel, MD](#)

[Yasmin Khakoo, MD](#)

[Kim Kramer, MD](#)

[Sameer Farouk Sait](#)

Cellular Therapy and Hematopoietic Stem Cell Transplantation

The [hematopoietic cell transplantation](#) team pioneered the use of matched unrelated donor stem cell transplants; first introduced the use of T cell depletion for leukemia and genetic diseases of immunity to prevent graft-versus-host disease (GvHD) following Human Leukocyte Antigen (HLA)-matched and haplotype-disparate transplants; delineated the effector cells and allo-antigenic

targets contributing to graft rejection; developed effective strategies to circumvent graft rejection; pioneered effective techniques for treating life-threatening Epstein-Barr virus (EBV) and cytomegalovirus (CMV) infections; and developed strategies to achieve a graft versus leukemia response without GvHD. Current clinical research is focused on the genetic determinants of innate resistance to leukemia; the exploration of adoptive immunotherapies for the treatment of viral diseases, as well as for the treatment and prevention of leukemic relapse; and the evaluation of new biologicals and cytokines to potentiate immune reconstitution.

[Andrew Kung, MD, PhD](#) (Department Chair)

[Jaap Jan Boelens, MD, PhD](#) (Chief)

[Maria Cancio, MD](#)

[Kevin Curran, MD](#)

[Andrew Harris, MD](#)

[Richard J. O'Reilly, MD](#)

[Joe Oved, MD](#)

[Andromachi Scaradavou, MD](#)

Academic Pediatric Oncologists

Allyson Flower

[Jason Lewis, DO, PA, FAAP](#)

[Jessica Stiefel, MD](#)

Survivorship Programs

This multidisciplinary program of clinical care and research oversees the follow-up of over 1500 children and adults who are [long-term survivors of childhood cancer](#). This program is a major component of the NIH-sponsored Childhood Cancer Survivor Study. Major objectives of the clinical research program are the identification, characterization, and treatment of adverse medical sequelae of childhood cancer and its treatment; the development of improved models of care for earlier detection and prevention of these sequelae; and the elimination of barriers to the effective monitoring and long-term evaluation and care of these patients particularly as they transition from adolescence to adulthood.

[Danielle Friedman, MD](#) (Program Director)

[Zoltan Antal, MD](#)

Pediatric Oncologic Surgery Service

Pediatric Surgery

[J. Ted Gerstle \(Chief, Pediatric Surgery\)](#)

[Michael P. La Quaglia, MD](#)

Todd Heaton, MD

Orthopedic Surgery

[John H. Healey, MD](#) (Chief, Orthopaedic Surgery)

[Patrick J. Boland, MD](#)

[Edward A. Athanasian, MD](#)

[Daniel E. Prince, MD, MPH](#)

Ophthalmologic Oncology

[David H. Abramson, MD](#) (Chief, Ophthalmologic Oncology)

Pediatric Neurosurgery

[Mark M. Souweidane, MD](#)

[Jeffrey Greenfield, MD PhD](#)

[Caitlin Hoffman, MD](#)

Pediatric Medical Subspecialties

[Julia Kearney, MD](#) (Psychiatry)

[Suzanne L. Wolden, MD](#) (Radiation Oncology)

[Bruce M. Greenwald, MD](#) (Pediatric Intensive Care)

[Steven Pon, MD](#) (Pediatric Intensive Care)

[Joy D. Howell, MD](#) (Pediatric Intensive Care)

[Chani Traube, MD](#) (Director, Pediatric Observation Unit)

[James Killinger, MD](#) (Medical Director, Pediatric Intensive Care Unit)

[Michael F. Walsh, MD](#) (Geneticist & Pediatric Oncologist)

Karen Queliza, MD (Gastroenterology)

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