

LYMPHOMA PROGRAM



THE UNIVERSITY OF ARIZONA CANCER CENTER

- A National Cancer Institute-designated Comprehensive Cancer Center
- Lymphoma Specialized Program of Research Excellence (SPORE) grant from the National Cancer Institute
- An internationally recognized leader in the study and treatment of the lymphomas

Multidisciplinary Approach to Care

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The Lymphoma Program combines excellent patient care with research and is dedicated to finding a cure for the malignant lymphomas, including Hodgkin's disease.

- Established a comprehensive multidisciplinary clinical treatment team with expertise in combined modality treatments, high-dose treatments with bone marrow/stem cell transplant, monoclonal antibody treatment (including radioimmunotherapy), and investigational new therapies for recurrent/resistant disease.

Lymphoma Medical Oncology

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The Medical Oncology section of the Lymphoma Program offers:

- Combined modality treatments, high-dose treatments with bone marrow/stem cell transplants and monoclonal antibody treatment
- Investigational new therapies for recurrent/resistant disease
- Clinical trials that bring the most active new agents to our patients.
- Laboratory research on the biology of malignant lymphomas
- The exploration of new strategies to prevent, diagnose and cure malignant lymphomas

Accomplishments

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Specific key Arizona Cancer Center Lymphoma Program accomplishments over the last three decades are as follows:

- The University of Arizona Cancer Center, along with the James P. Wilmot Cancer Center at the University of Rochester, is home to one of just six Specialized Programs of Research Excellence in Lymphoma, funded by the National Cancer Institute for five years in 2008.
- Developed state-of-the-art diagnostic capabilities benefiting patients referred to the Cancer Center or treated throughout Arizona.
- Identified optimal treatment for localized (limited) non-Hodgkin's lymphoma.
- Established the benchmark for treatment of advanced aggressive non-Hodgkin's lymphoma
- Designed and participated in studies showing a 70% reduction in death for patients with follicular non-Hodgkin's lymphoma.
- Made seminal contributions to the Lymphoma/ Leukemia Molecular Profiling Project.
- Gained insight as to why treatment fails (e.g., tumor cell characteristics, drug resistance).
- Demonstrated that drug resistance can be reversed.
- Developed automated systems for laboratory evaluation of lymphomas.
- Investigations of new ways to detect and monitor cancer (biomarkers)

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Current Research

Current areas of research are focused on:

- Determining the relationship of specific tumor gene expression patterns to treatment outcome.
- Understanding the contribution of the intracellular redox environment to lymphoma biology and treatment response.
- Understanding how the tumor microenvironment and host response affect patient survival.
- Identifying new therapies targeted to take advantage of unique tumor characteristics.
- Developing new technologies for translational research (Q-dots, in collaboration with Ventana Medical Systems, Inc, high-throughput genomics and proteomics)
- The University of Arizona Cancer Center's Lymphoma Program includes National Cancer Institute, American Cancer Society and philanthropy funding for the Lymphoma Consortium, Central Lymphoma Tumor Repository and Immunophenotyping, Lymphoma Translational Medicine Committee, as well as research on lymphoma gene expression signatures and support for translational research objectives of specific clinical trials.

The Team

Medical Oncology

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Radiation Oncology

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Contact Us

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