



NEVADA CANCER INSTITUTE

BRINGING RESEARCH, TREATMENT AND EDUCATION TOGETHER

Discovery
Compassion
Integrity
Stewardship
Collaboration
Excellence



Nevada Cancer
INSTITUTE

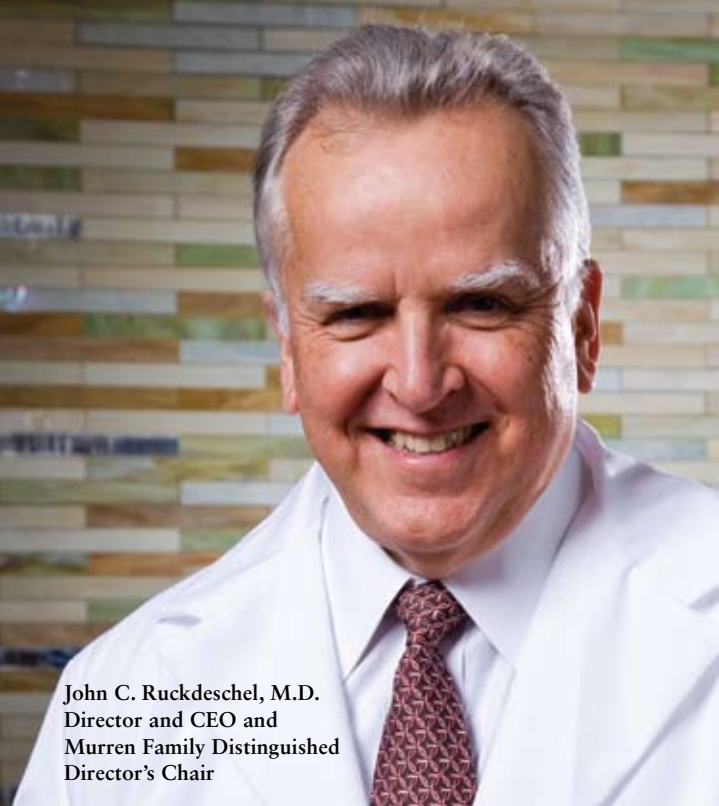
Research · Treatment · Education



Nevada Cancer Institute is redefining the future of cancer care in the state of Nevada. Our interdisciplinary teams review each patient's care in a prospective manner, unlike any other institution in the state. Our scientific breakthroughs will result in more effective treatments for people with cancer. Our work will shorten the time from initial discovery to new treatment—conducting innovative basic and translational research, while conducting excellent clinical care.

We are entering a new phase of our development as we position ourselves to become the first and only National Cancer Institute-designated Comprehensive Cancer Center in Nevada.

At Nevada Cancer Institute, fighting cancer is what we do—all day, every day. Nevada Cancer Institute is the only academic medical center in Nevada exclusively focused on cancer. By making cancer our singular mission, we can offer highly specialized expertise in research, treatment and prevention not available anywhere else in the state.



John C. Ruckdeschel, M.D.
Director and CEO and
Murren Family Distinguished
Director's Chair

Our Programs

Building on our current research and clinical strengths, our strategic plan focuses on investing in and growing our existing clinical teams and research areas:

Research

- Drug Development Program
- Experimental Therapeutics
- Biomarkers and Genetics Program
- Population Science

Interdisciplinary Clinical Teams

- Thoracic Oncology (Lung Cancer, Mesothelioma)
- Genitourinary Oncology (Prostate, Testis, Bladder, Kidney)
- Malignant Hematology (Leukemia, Lymphoma and Myeloma)
- Breast Cancer
- Melanoma

Our Campus

Nevada Cancer Institute's (NVC) growing campus is located in the southwest part of the valley and includes a comprehensive campus dedicated to research and patient care.

Facilities

- Outpatient treatment and care facility includes medical and radiation oncology, diagnostic imaging and a Survivorship Clinic.

- The Ralph and Betty Engelstad Cancer Research Building. At almost 200,000 square feet, it is the single largest dedicated research facility in the state.
- Our Support Services Building, with staff and administrative offices, will soon house clinical faculty offices and a center devoted to early detection and management of the high-risk patient and family.
- Nevada Cancer Institute at University Medical Center is expected to open in 2010.

Institute Distinctions

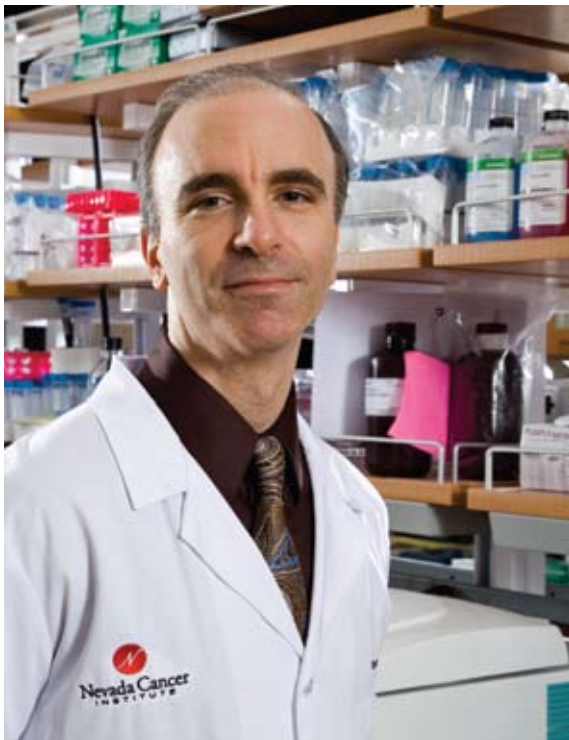
- America's Top Doctors—NVC oncologists are consistently ranked among the top cancer providers on this peer-reviewed list.
- NVC is proud to conduct first-in-human clinical trials, offering therapies not otherwise available in Nevada.
- NVC is extending its services to more patients in the region and will soon open a treatment center at University Medical Center to provide outpatient oncology and malignant hematology, as well as radiation oncology services.
- NVC has partnered with Saint Mary's Center for Cancer in Reno to expand clinical, research and educational opportunities for cancer providers, patients, caregivers and families in northern Nevada.
- On average, NVC receives 56 sponsored research grants and contracts each year. Our average annual total amount of research dollars awarded is more than \$11.5 million.
- NVC is accredited by The Joint Commission. The Commission's report found no "Requirement for Improvement," or in other words, a perfect score.

Excellence in Patient Care

- NVC provides patients with unparalleled diagnostic, treatment and supportive care services.
- The Institute integrates the work of our scientists and clinical staff to advance our understanding of cancer and offer the best care to patients.
- We offer an interdisciplinary team approach to oncology care to discuss a unique course of treatment for each patient.
- NVC offers a full spectrum of outpatient breast cancer services—from digital mammography and stereotactic biopsies to the latest therapies and a Survivorship Clinic—all under one roof.



- The Institute's prostate program consists of many treatment options, including the latest in clinical trials and brachytherapy.
- Radiation Oncology uses TomoTherapy® Hi-Art® to treat malignancies such as prostate, lung, brain and breast cancer.
- Diagnostic Imaging is a fully digital department equipped with a full array of machinery including a PET/CT scanner, state-of-the-art MRI capabilities, x-ray technology, nuclear medicine and digital mammography utilizing computer-aided detection.



- NVCi's mobile digital mammography van—the Hope Coach—offers breast cancer screenings to Nevadans, bringing mammography services directly to them.

Clinical Trials

- As a result of NVCi's clinical trials program, patients often have access to the latest lifesaving medical advances years before they become widely available.
- NVCi offers the only multidisciplinary, investigator-initiated Phase I clinical trial program for oncology in Nevada with all parts of the treatment conducted on NVCi's campus.
- In addition to NVCi-initiated clinical trials, the Institute is proud to participate in trials sponsored by the National Cancer Institute through the Southwest Oncology Group.

Patient Support

- Quality of life services include a registered dietician, medical social worker, financial counselor, exercise and yoga classes.
- The Sunflower Café offers nutritious and healthy dining for cancer patients and their families.
- Illuminations Boutique features specialty products designed especially for cancer patients and one-on-one consultations for various needs, including prosthesis fittings.
- The Information & Resource Center offers a variety of books, DVDs, CDs, handouts and online access for learning more about cancer.
- The Patient Cares Fund is a program developed to help cancer patients with nonmedical expenses when all other avenues have been exhausted.

Excellence in Research

- Close interaction among various NVCI programs and departments, and the collaborative environment of the Institute, are critical in identifying new targets and developing new molecules to shorten the process of drug development. NVCI scientists and physicians work together to solve key cancer problems.
- The Drug Development Program represents the translational research component of NVCI. This program currently includes Clinical-preclinical Pharmacology, Experimental Therapeutics, Research Imaging and the Inter-departmental Phase I Program. Among the research conducted at NVCI is the mapping of cell activity to see how a drug molecule will interact with a target protein—work that will allow researchers to create new therapies or make improvements to existing therapies.
- The research objective of the Biomarkers and Genetics Program is to develop better methods to diagnose early-stage cancer, establish better tools to monitor disease progression, identify new biological targets for drug intervention and reduce the side effects of radiation and chemotherapy. Among the research conducted at NVCI is the reprogramming of stem cells to better target cancer treatments and studying the development of myelodysplastic syndromes and acute myeloid leukemia that will eventually lead to new inhibitors and treatment for these diseases.
- Additionally, NVCI scientists have identified a type of non-embryonic stem cell therapy. Cancer applications with this therapy would make treatments more efficacious, such as replacement of bone marrow by using a person's own skin cells to create new bone marrow.
- Core research services/resources being developed at NVCI include immunohistochemistry, a biosample repository, flow cytometry/cell sorting, circulating tumor cell analysis, laser capture microdissection, mass spectrometry, cell and tissue imaging, pharmacology, clinical trials support office and biostatistics.

Excellence in Medical Education

- NVCI's faculty works to train the next generation of oncologists and scientists through a comprehensive affiliation with the Nevada System of Higher Education and, in particular, the University of Nevada School of Medicine.



- The Institute's first fellowship program with the University of Nevada School of Medicine is in Medical Oncology, which will take its first trainees in 2010.
- Robust continuing medical education lectures and conferences are held at NVCI, and statewide, on a variety of cancer issues.
- The Institute's educational offerings extend beyond medical education through seminars, literature and public events, where issues are addressed that profoundly affect patients, their family and other members of the community.

The Future

NVCI will continue toward its goal to obtain the prestigious National Cancer Institute designation as a Comprehensive Cancer Center, becoming the first and only institute in Nevada with this designation. We will continue our long-term mission to reduce the burden of cancer by continuing to set the bar high—demanding excellence in patient care, research and education. Although we have accomplished a lot in a few years, our work is far from finished.



Nevada Cancer INSTITUTE

Research Treatment Education

Research & Patient Care Center

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Facts, statistics and figures cited in this brochure were obtained from the respective NVCI departments and are current as of January 2010, unless otherwise noted.

NVCI is a nonprofit organization with a 501(c)(3) designation. Contributions are tax deductible as provided by law.