

# DNA-Customized Cancer Treatment



## Razelle Kurzrock

Chief, Division of Hematology and Oncology Murray Professor of Medicine Sr. Deputy Center Director, Clinical Science

## CURRENT RESEARCH

### Treating all patients as individuals

Contrary to traditional thinking, cancer is not just one disease. In fact, it is multiple diseases, each defined by the genetic makeup of an individual patient and their tumor. In other words, cancers are different even if they affect the same organ. Dr. Razelle Kurzrock, of Moores Cancer Center, is using this knowledge to combat cancer with individualized care for patients with all types of cancer. As the Director of the Center for Personalized Cancer Therapy, Dr. Kurzrock leads a multidisciplinary group of expert physicians and world-class scientists who meet regularly to discuss the best treatment for each patient. The aim of this personalized therapy is to understand the underlying genomic abnormalities in each patient's tumor and to prosecute them by using customized therapies that target those abnormalities and/or harness the patient's own immune system to do so. Prior to her work at Moores Cancer Center, Dr. Kurzrock developed one of the largest and best Phase 1 clinical trials programs in the nation. As a whole, her work has focused on cancer treatment that is more likely to work for individual tumors and thus sparks hope for patients with cancer and their families.

Perhaps at the heart of her current work is the Center for Personalized Cancer Therapy which is an important initiative of the UC San Diego Health System and the Moores Cancer Center. With a goal of transforming cancer therapy by using advanced technological tools to predict who will respond to specific treatment and matching each patient with the best drugs for a particular tumor, the Center is at the heart of innovative treatments for cancer. Dr. Kurzrock describes her patients' cancers as "malignant snowflakes" meaning that each...

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## AFFILIATION

 University of California, San Diego

## AWARDS

- Best Doctors in America, 2011-2012
- Mentorship Award (Best Mentor for Medical Oncology Fellows), 2010
- Dr. Robert D. and Alma W. Moreton Original Research Award, 2005
- Elected as a member of The University of Texas Academy of Health Science Education (Distinguished Teaching Professor): Based on excellence in education contributions, 2008
- The Otis W. and Pearl L. Walters Faculty Achievement Award in Clinical Research, 2003

## RESEARCH AREAS

Health & Wellness, Longevity, Immortality Research

## FUNDING REQUEST

Your contributions will support the continued research of Dr. Razelle Kurzrock, of Moores Cancer Center, as she continues to develop personalized medical care, also known as precision medicine, for cancer patients through research and clinical practice. Donations will support the necessary funding required for personnel, clinical trials that concentrate on genomics and immune therapy, and equipment. Help continue to make a mark in history as you fund the Cancer Center's pioneering therapies for cancer related illnesses!

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