

Pedro R. Lowenstein, M.D., Ph.D.

Born and raised in Buenos Aires, Argentina, Dr. received his M.D. in 1981, and his Ph.D. in neuropharmacology and neuroendocrinology in 1984 from the University of Buenos Aires.

Dr. Lowenstein has earned international renown for his work in neuro-oncology. His research focuses on discovery of the cellular, molecular and mathematical basis underlying the growth patterns of malignant brain tumors and the interactions between cancer cells with the tumor microenvironment in both experimental models and in human patients suffering from malignant brain tumors. He has published over 160 articles, and written three books.

In 1988, Dr. Lowenstein married fellow research scientist Maria Castro, Ph.D.; the couple became partners in research in 1994. Their goal: to make significant advancements in the treatment of brain cancers, focusing on *glioblastoma multiforme*, the most common and deadliest of adult primary brain tumors. Their approach introduces genetic changes into tumorous cells to kill cancer cells and prevent their regeneration.

In 2001, Dr. Lowenstein joined the faculty of the University of California, Los Angeles, with a joint appointment as a professor at Cedars-Sinai Medical Center. It was there that he and his wife fine-tuned their research and readied it for clinical trial.

Drs. Lowenstein and Castro were recruited to the University of Michigan in 2011 as professors in the Departments of Neurosurgery and Cell and Developmental Biology. Michigan's extraordinary collaborative richness and excellent clinical infrastructure made it the logical environment in which to take their search for a cure to the next level, they say.