

## PATRICK P. McCUE, PH.D.



Patrick McCue received a B.S. (1998) and M.S. (2000) in Biochemistry and a Ph.D. (2004) in Molecular and Cellular Biology from [The University of Massachusetts](#). His doctorate and graduate work involved the study of dietary phenolic antioxidants for chemoprevention of oxidation-linked disease and of phenolic antioxidant biosynthesis in legumes.

Patrick joined USRA's Division of Space Life Sciences in 2004 as a BFSB Postdoctoral Fellow and working with Dr. Viktor Stolc, Branch Chief of the [NASA Ames Genome Research Facility](#) at [Ames Research Center](#) in Moffett Field, California.

His postdoctoral research focused on the effect of space radiation on physiology using the yeast *Saccharomyces cerevisiae* as a model organism to profile for genes affecting UV, X- and Gamma radiation sensitivity and the effects of certain oxidative stress antagonists as radiation countermeasures.

Following the completion of his NASA / USRA postdoctoral appointment, Dr. McCue joined the NIH Intramural Research Program. Dr. McCue was one of the first two researchers selected for a [Director's Fellowship](#) with the [National Center of Complementary and Alternative Medicine](#). He is now conducting research on the effects of chemical compounds from botanical extracts on cancer cell death under the leadership of James Phang, M.D., of the [National Cancer Institute](#).