

Recent Cranberry Research Projects (UMass Dartmouth and Collaborators)

A possible role for cranberry constituents in treatment of type-2 diabetes (co-PIs: C. Neto, M. Guo) - funded by UMass Dartmouth Cranberry Research Program, 2011

Investigation of cranberry phytochemistry and antifungal metabolites among cultivars using mass spectrometry analysis and NMR-based metabolic profiling (PI: C. Neto) - Bruker-Biospin and UMD Cranberry Research Program, 2011

Exploration of untapped alkaloid content of cranberry pomace for antibacterial and anti-cancer activities (PI: S. Rasapalli, Co-PI: C. Neto) - UMD Cranberry Research Program, 2011

Cranberry phytochemicals and the role of hedgehog signaling in prostate cancer (Co-PIs: R. Hurta, UPEI and C. Neto) - Cranberry Institute/Wisconsin Cranberry Board, 2010

Overcoming barriers to sustainable cranberry production: a study of cranberry phytochemistry, ecology, and physiology (PI: F. Caruso, UMA Cranberry Station; Co-Inv: C. Demoranville, C. Neto, H. Sandler) - USDA-CSREES Special Research Grant Program, 2010

Efficacy of cranberry extracts for the prevention of selected oral biofilms (Co-PIs: C. Neto, F. Scarano) - UMD Cranberry Research Program, 2010

Direct observation of cranberry constituents entering live human cells and their intracellular iron-scavenging and antioxidant activity: relevant to their bioavailability and bioactivity (Co-PIs: M. Guo, C. Neto) - UMD Cranberry Research Program, 2009

Microarray analysis of cancer cell gene expression when treated with cranberry constituents (Co-PIs: T. Ferreira, C. Neto) - UMD Cranberry Research Program, 2009

Role of iron homeostasis in cranberry's bio-effects (PI: M. Guo, Co-Inv: C. Neto, W. Dills) NIH-NCCAM, 2007-2009

Blueberry and cranberry bioactives: effects on prostate cancer cells (PI: R. Hurta, UPEI; subaward to C. Neto) National Cancer Institute of Canada, 2007-2010

Chemical ecology to reduce pesticide use and increase sustainability in cranberry production (Co-investigators: C. Demoranville (UMA), F. Caruso, C. Neto, H. Sandler) - USDA CSREES Special Research Grant Program, 2009

How do cranberry constituents regulate apoptosis and proliferation in models of prostate cancer? (Co-PIs: C. Neto, R. Hurta) Cranberry Institute/Wisconsin Cranberry Board, 2006-08.

Bioresources Innovation Project – Native Berry Research Activity (PIs: C. Nelson, R. Hurta, M. Sweeney, K. Gottschall-Pass (UPEI); subcontract to C. Neto at UMD) - Atlantic Canada Opportunities Agency (ACOA) / Atlantic Innovation Fund, 2007-2009.