**BUDGET JUSTIFICATION**

New York University

**Dennis Shasha, Ph.D.** – Co-Principal Investigator (1.0 summer mos.)

Dr. Shasha will be responsible for planning and directing the mathematical and computational aspects in this project. In particular, he will oversee the development of the algorithms and methods to analyze and integrate the genomic and ecotype factors involved in nitrogen and water sensing with the ultimate field goal of identifying genes to over-express or to mutate to enhance the health of plants in nutrient and water-poor soils. Salary is based upon a 9 month appointment.