

New Jersey Commission on Science and Technology
Stem Cell Research Grant Awardees
June 19, 2007

Core Facilities Grants

- Dr. Martin Grumet of Rutgers University in the amount of \$2,992,363 for the core facility proposal titled *Human ES Cells and Neural Transplantation* (Rutgers University is working in collaboration with Reprogentic, LLC)
- Dr. Patrizia Cassacia-Bonnefil of UMDNJ in the amount of \$2,518,857 for the core facility proposal titled *Bioengineering Human Embryonic Stem Cells* (UMDNJ is working in collaboration with Rutgers University)

Individual Research Grants

- Dr. Mark Brenneman of Rutgers University in the amount of \$300,000 for the project titled *High Efficiency Gene Modification by Homologous Recombination in Human Stem Cells*
- Dr. Tulin Budak-Alpdogan of UMDNJ/RWJMS/CINJ in the amount of \$300,000 for the project titled *Post-Transplant High-Dose MTX/ARA-c Consolidation: A Drug Resistance Gene Transfer*
- Dr. Rick Cohen of Rutgers University in the amount of \$299,606 for the project titled *Premature Senescence and Neural Specification of Human Embryonic Stem Cells*
- Dr. Jonathan Eggenschwiler of Princeton University in the amount of \$300,000 for the project titled *Control of the Sonic Hedgehog Signaling Pathway in Neuronal Differentiation of Embryonic Stem Cells*
- Dr. Diego Fraidenraich of UMDNJ-NJMS in the amount of \$300,000 for the project titled *Stem Cell Based Therapy in Mst1 Transgenic Mice, a Mouse Model of Cardiomyopathy*
- Dr. John Langenfeld of UMDNJ-RWJMS in the amount of \$300,000 for the project titled *Identification of Tumor Stem Cells in Lung Cancer*
- Dr. Shaohua Li of UMDNJ-RWJMS in the amount of \$298,246 for the project titled *Mechanisms of Vasculogenesis from Embryonic Stem Cells*
- Dr. Randall McKinnon of UMDNJ-RWJMS in the amount of \$300,000 for the project titled *Stem Cell Therapeutics: PDGF-Directed Glial Migration*
- Dr. Daniel Medina of UMDNJ-RWJMS-CINJ in the amount of \$300,000 for the project titled *Identification and Characterization of Mantle Cell Lymphoma Stem Cells*
- Dr. Robert Nagele of UMDNJ – NJ Institute for Successful Aging in the amount of \$297,080 for the project titled *Genomic Stability, Chromatin Remodeling and Differentiation Potential of Mesenchymal Stem Cells*
- Dr. Sidney Pestka of UMDNJ-RWJMS in the amount of \$300,000 for the project titled *Use of Stem Cells for Delivery of Biotherapeutics for the Treatment of Cancers*

- Dr. Biagio Saitta of Coriell in the amount of \$300,000 for the project titled *Role of Extracellular Matrix in Cord Blood Stem Cell Response to Cardiac Injury*
- Dr. Chanshun Shao of Rutgers in the amount of \$300,000 for the project titled *Stem Cell Origin of Spontaneous and Radiation Induced Mutations Recovered in T Cells*
- Dr. Yufang Shi of UMDNJ-RWJMS in the amount of \$300,000 for the project titled *Mechanisms of Mesenchymal Stem Cell Induced Immunosuppression*
- Dr. Dale Woodbury of UMDNJ-RWJMS in the amount of \$268,533 for the project titled *Plasticity of Amnion-Derived Stem Cells In Vitro and In Vivo*
- Dr. Megqing Xiang of UMDNJ-RWJMS in the amount of \$300,000 for the project titled *Controlled Differentiation of Inner Retinal Cell Types from Stem Cells*