

Selection Panel's Recommendations for SCRIG Awards, FY 2000-2001

Clemson University

R00-C05 Carraway, "An Investigation of Surface-Mediated Interactions and Transformations Related to Environmental Remediation Technologies"

Requested: \$90,000

Recommended: \$90,000

R00-C07 Foulger, "Efficient Emitters Based on the Incorporation of Photoluminescent Polymers with Tunable Photonic Bandgap Composites"

Requested: \$84,500

Recommended: \$65,550

R00-C08 Gao, "Applicable Algebra in Codes and Cryptography"

Requested: \$75,000

Recommended: \$75,000

R00-C11 Norman, "A Comprehensive Analysis of the Current and Potential Economic Impact of Sport Tourism in South Carolina"

Requested: \$128,000

Recommended: \$80,000

R00-C13 Schnabel, "The Molecular Basis of Resistance to Demethylation Inhibiting Fungicides in *Monilinia fructicola*"

Requested: \$82,500

Recommended: \$82,500

R00-C15 Stuart, "Novel Method of Treating Polarization in Large Biosystems"

Requested: \$75,000

Recommended: \$75,000

R00-C16 Temesvari, "A Novel RabGTPase of the Protozoan Parasite, *Entamoeba histolytica*"

Requested: \$99,952

Recommended: \$69,952

Total Allotment to Clemson=\$538,002

Total Recommended for all Grants to Clemson=\$538,002

Medical University of South Carolina

R00-M01(1) Bielawska, "Novel Anticancer Agents Targeting Sphingolipid Metabolism"

Requested: \$150,000

Recommended: \$95,870

R00-M01(2) Bohning, "Paired Pulse Transcranial Magnetic Stimulation (TMS) Interleaved with fMRI"

Requested: \$149,319

Recommended: \$129,145

- R00-M02 Dix, "Development of Bioactive Peptides as Drug Candidates"
 Requested: \$98,040 Recommended: \$84,770
- R00-M03 Dolan, "Phage-Based Treatment for Fungal Infections"
 Requested: \$60,000 Recommended: \$60,000
- R00-M04 Eisenberg, "Regeneration of Multiple Tissues from Adult Human Cells"
 Requested: \$146,781 Recommended: \$126,982
- R00-M-6 Graber, "ADL Dependency and Cognitive Performance Among Elderly
 LTC Admissions in 6 Southeastern States"
 Requested: \$57,255 Recommended: \$43,495
- R00-M12 Krupenko, "10-Formyltetrahydrofolate Dehydrogenase: A Potential Target
 for Anticancer Therapy"
 Requested: \$150,000 Recommended: \$104,365
- R00-M17 Ma, "Diagnostic and Therapeutic Application of Pigment Epithelium-
 Derived Factor"
 Requested: \$115,800 Recommended: \$100,167
- R00-M21 Schey, "High Throughput Protein Surface Mapping"
 Requested: \$60,600 Recommended: \$60,600
- R00-M23 Yang, "Activity and Regulation of NOX"
 Requested: \$113,200 Recommended: \$97,918

Total Allotment to MUSC=\$903,312

Total Recommended for All Grants to MUSC=\$903,312

The University of South Carolina-Columbia

- R00-U04 Cooper, "Photoelectrochemical Catalyst Immobilization by Electrochemical
 Deposition"
 Requested: \$90,696 Recommended: \$90,696
- R00-U05 Ferry, "Novel Nanocomposite Photocatalytic Materials for 'Green'
 Chemistry"
 Requested: \$55,500 Recommended: \$55,500
- R00-U06 Fenner, "Algorithms in Quantum Computation and Communications"
 Requested: \$30,000 Recommended: \$30,000

- R00-U07 Fisher, "The Role of Structural Differences Among the Alpha Subtypes in Determining Single Channel Properties of Recombinant GABA-A Receptors"
Requested: \$51,658 Recommended: \$51,658
- R00-U16 Schulz, "Racial Disparity in Access to Advances in Pharmaceutical Therapies"
Requested: \$68,800 Recommended: \$68,800
- R00-U17 Scrivens, "Testing of Composite Polymer Telescope Mirror"
Requested: \$75,000 Recommended: \$75,000
- R00-U18 Traxler, "Individual Differences in Verbal Working Memory and Sentence Understanding"
Requested: \$40,400 Recommended: \$40,400
- R00-U20 Wang, "A Numerical Environment Model with Significantly Improved Modeling Capability"
Requested: \$125,833 Recommended: \$75,681
- R00-U21 Wargovich, "Cancer Prevention Drug Discovery for Breast and Colon Cancer"
Requested: \$125,000 Recommended: \$115,000
- R00-U23 Wyatt, "Development of a DNA Repair Bioassay"
Requested: \$46,000 Recommended: \$46,000
- R00-U25 zur Loye, "Organic-Inorganic Coordination Polymers: New Functionalized Microporous Materials"
Requested: \$131,815 Recommended: \$123,951

Total Allotment to USC-Columbia: \$772,686

Total Recommended for all Grants to USC-Columbia: \$772,686

Teaching Universities

- R00-T02 Saylor, "Cost-Effective Systems to Enhance Social and Recreational Skills of Youth with Disabilities: Pilot Research for 'Peer Express'" **The Citadel**
Requested: \$106,32 Recommended: \$64,200
- R00-T08 Beam, "Strong Base Preparation of Compounds with Biological Potential in Agriculture and Medicine: Isoxazoles/Pyrazoles, Benzopyranones/Benzothioapyranones, Quinolines and other Heterocyclic Compounds" **College of Charleston**
Requested: \$51,500 Recommended: \$51,500

R00-T10 Diamond, "The Topology of Substitution Tiling and Related Spaces"
College of Charleston

Requested: \$18,200

Recommended: \$18,200

R00-T14 Jones, "Investigation of Detector Geometry and Wavelength-Dependent Penetration Depth in Biomedical Spectroscopy" **College of Charleston**

Requested: \$102,800

Recommended: \$60,000

R00-T16 LeMesurier, "Investigation of the Stability of Symmetric Solutions to Models of Wave Collapse and Self-Focusing in Laser Propagation, Plasmas, and Molecular Vibration" **College of Charleston**

Requested: \$24,700

Recommended: \$24,700

R00-T18 Overby, "Investigation of Fluorenyl Complexes of Chromium and Manganese" **College of Charleston**

Requested: \$27,400

Recommended: \$27,400

Total Allotment for Teaching Universities: \$246,000

Total Recommended for all Grants for Teaching Universities: \$246,000