

The equipment purchased under this grant (detailed list follows on the next page) supports the **RNA Therapeutics Institute (RTI)** at the University of Massachusetts Medical School which seeks to build a community of scientists passionate about RNA. By uniting researchers studying the fundamental biology and mechanisms of cellular RNAs with those working to devise human therapies using or targeting nucleic acids, the RTI represents a new model for scientific exploration. By interweaving basic and applied nucleic acid scientists with clinicians dedicated to finding new cures, our goal is to create a new paradigm for organizing molecular research that enables the rapid application of new biological discoveries to solutions for unmet challenges in human health.

The leadership plan for the RNA Therapeutics Institute (RTI) was announced in June 2009. An executive group has been formed to govern the new institute. This group will work as a team to recruit new faculty and design the new home for RNA Therapeutics within the Albert Sherman Center.

The \$400-million Albert Sherman Center will expand and unify the UMass Medical School's Worcester campus, double its research capacity and support the school's new learner-centered curriculum. This interdisciplinary, state-of-the-art research and education facility will foster interaction and collaboration among scientists and promote innovation and synergies across disciplines. The 480,000-square-foot Sherman Center is scheduled to open in late 2012.

The equipment purchased under this grant will serve as a cornerstone of technology that will attract researchers, physicians, faculty, students and industry partners, enhancing the Medical School's position as a leader to accomplish our mission of real-world impact in health sciences education, research and public service.

DOE (funds of \$924,858)

| ITEM | MAKE | MODEL | QTY | TOTAL COST | QUOTE |
|---|-------------------|---------------|-----|--------------|-----------------|
| Low speed floor centrifuge (swing bucket) | Sorvall | RC 4 | 1 | \$21,387.67 | 0032-3664-23 |
| High speed floor centrifuge (2 rotors) | Sorvall | RC-6+ | 1 | \$28,293.34 | 0032-3663-49 |
| Table top centrifuge (swing bucket) | Sorvall | Legend XTR | 1 | \$9,100.00 | 0028-3620-19 |
| -86C Freezer (24 cuft) | Revco | Ultma Plus | 2 | \$22,504.24 | 0032-3665-77 |
| Power supply | | 500mAmp | 1 | \$920.99 | 0036-3769-21 |
| CO2 stacked incubator | Napco | 8000 | 2 | \$19,441.82 | 0032-3668-35 |
| Lyophilizer system | Freezone | PL2 | 1 | \$12,633.48 | 0032-3668-14 |
| UV Spectrophotometer | Varian | Cary 50 | 1 | \$9,333.00 | 35735701508 |
| Spec/Fluor/Luminescene plate reader | Molecular Devices | Specrtamax M5 | 1 | \$49,657.60 | DA73916R1 |
| Inverted microscope | Leica | DM IL LED | 1 | \$4,846.02 | KL0736D-AL |
| Plate reader | BioRad | iMark | 2 | \$9,598.40 | 10-Q02285V9 |
| PCR machine (1 RTI) | BioRad | C1000 | 2 | \$14,433.70 | 10-Q02285V9 |
| Real Time PCR machine (1 RTI) | BioRad | CFX96 | 2 | \$60,000.00 | 10-Q02285V9 |
| Genome Analyzer | Illumina | SY3011301 | 1 | \$607,552.00 | 090706-7257-R02 |
| Gel Imaging system (incl red, green filters) | BioRad | VersDoc | 1 | \$55,155.79 | 10-Q02285V9 |

\$924,858.05

Bolded items are RNAi Therapeutic Institute dept items