

**National Center for Research Resources  
High End Instrumentation Grants Cumulative Award List for Fiscal Years 2002 - 2004  
By State, Institution, Institution Type, Grant Number**

GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>STATE ALABAMA</b>				
<b>INSTITUTION UNIVERSITY OF ALABAMA AT BIRMINGHAM</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017261-01	BARNES, STEPHEN	2002	9.4 TESLA FOURIER TRANSFORM MASS SPECTROMETER	1,511,150
Type of Institution = School of Medicine Totals :				1 Award for \$1,511,150
Institution = UNIVERSITY OF ALABAMA AT BIRMINGHAM Totals :				1 Award for \$1,511,150
State = ALABAMA Totals :				1 Award for \$1,511,150
<b>STATE CALIFORNIA</b>				
<b>INSTITUTION NORTHERN CALIFORNIA INSTITUTE RES &amp; EDUC</b>				
<b>TYPE OF INSTITUTION Other Research Organization</b>				
1S10RR017238-01	WEINER, MICHAEL W	2002	VARIAN 4 TESLA MRI/MRS FOR NEURO-DEGENERATIVE DI	2,000,000
Type of Institution = Other Research Organization Totals :				1 Award for \$2,000,000
Institution = NORTHERN CALIFORNIA INSTITUTE RES & EDUC Totals :				1 Award for \$2,000,000
<b>INSTITUTION STANFORD UNIVERSITY</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017289-01	MCMAHAN, UEL J	2002	HIGH RESOLUTION EM FOR STRUCTURAL BIOLOGY	1,964,282
1S10RR019887-01	Moseley, Michael E	2004	HIGH FIELD GE EXPERIMENTAL MR SCANNER	2,000,000
Type of Institution = School of Medicine Totals :				2 Awards for \$3,964,282

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Institution = STANFORD UNIVERSITY Totals :				2 Awards for \$3,964,282
<b>INSTITUTION</b>	<b>UNIVERSITY OF CALIF-LAWRENC BERKELEY LAB</b>			
<b>TYPE OF INSTITUTION</b>	Other Academic			
1S10RR017286-01	TOMSIA, ANTONI P	2003	ENVIRONMENTAL FIELD EMISSION ANALYTICAL SEM	762,450
Type of Institution = Other Academic Totals :				1 Award for \$762,450
Institution = UNIVERSITY OF CALIF-LAWRENC BERKELEY LAB Totals :				1 Award for \$762,450
<b>INSTITUTION</b>	<b>UNIVERSITY OF CALIFORNIA SAN DIEGO</b>			
<b>TYPE OF INSTITUTION</b>	Other Research Organization			
1S10RR020016-01	BAKER, TIMOTHY S	2004	TRANSMISSION ELECTRON MICROSCOPE	2,000,000
Type of Institution = Other Research Organization Totals :				1 Award for \$2,000,000
Institution = UNIVERSITY OF CALIFORNIA SAN DIEGO Totals :				1 Award for \$2,000,000
<b>INSTITUTION</b>	<b>UNIVERSITY OF CALIFORNIA SAN FRANCISCO</b>			
<b>TYPE OF INSTITUTION</b>	School of Pharmacy			
1S10RR019934-01	BURLINGAME, ALMA L	2004	PURCHASE OF LTQ FT-ICR HYBRID MASS SPECTROMETE	1,013,965
Type of Institution = School of Pharmacy Totals :				1 Award for \$1,013,965
Institution = UNIVERSITY OF CALIFORNIA SAN FRANCISCO Totals :				1 Award for \$1,013,965

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<b>INSTITUTION UNIVERSITY OF CALIFORNIA SANTA CRUZ</b>				
<b>TYPE OF INSTITUTION Other Academic</b>				
1S10RR019918-01	CREWS, PHILLIP O	2004	ACQUISITION OF A VARIAN 600 MHZ HIGH-RESOLUTION N	271,601
Type of Institution = Other Academic Totals :				1 Award for \$271,601
Institution = UNIVERSITY OF CALIFORNIA SANTA CRUZ Totals :				1 Award for \$271,601
State = CALIFORNIA Totals :				7 Awards for \$10,012,298

**STATE COLORADO**

<b>INSTITUTION UNIVERSITY OF COLORADO HLTH SCIENCES CTR</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017203-01	REITE, MARTIN L	2002	WHOLE-HEAD MEG SYSTEM FOR BRAIN RESEARCH	1,999,971
Type of Institution = School of Medicine Totals :				1 Award for \$1,999,971
Institution = UNIVERSITY OF COLORADO HLTH SCIENCES CTR Totals :				1 Award for \$1,999,971
State = COLORADO Totals :				1 Award for \$1,999,971

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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>STATE CONNECTICUT</b>				
<b>INSTITUTION YALE UNIVERSITY</b>				
<b>TYPE OF INSTITUTION</b>				
1S10RR019895-01	WILLIAMS, KENNETH R	2004	YALE BIOMEDICAL SUPERCOMPUTER	1,603,827
3S10RR017266-01S1	WILLIAMS, KENNETH R	2003	FTICR MASS SPECTROMETER	55,506
Type of Institution = Totals :				2 Awards for \$1,659,333
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017266-01	WILLIAMS, KENNETH R	2002	FTICR MASS SPECTROMETER	1,403,494
Type of Institution = School of Medicine Totals :				1 Award for \$1,403,494
Institution = YALE UNIVERSITY Totals :				3 Awards for \$3,062,827
State = CONNECTICUT Totals :				3 Awards for \$3,062,827

<b>STATE ILLINOIS</b>				
<b>INSTITUTION EVANSTON NORTHWESTERN HEALTHCARE</b>				
<b>TYPE OF INSTITUTION Hospital</b>				
1S10RR019920-01	WYRWICZ, ALICE M	2004	9.4TESLA/310MM MR IMAGING AND SPECTROSCOPY SYS	2,000,000
Type of Institution = Hospital Totals :				1 Award for \$2,000,000
Institution = EVANSTON NORTHWESTERN HEALTHCARE Totals :				1 Award for \$2,000,000

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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>INSTITUTION UNIVERSITY OF CHICAGO</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017245-01	MOFFAT, JOHN K	2002	LARGE AREA, FAST READOUT, CCD DETECTOR	1,252,800
Type of Institution = School of Medicine Totals :				1 Award for \$1,252,800
Institution = UNIVERSITY OF CHICAGO Totals :				1 Award for \$1,252,800
State = ILLINOIS Totals :				2 Awards for \$3,252,800

**STATE MASSACHUSETTS**

<b>INSTITUTION BRANDEIS UNIVERSITY</b>				
<b>TYPE OF INSTITUTION Other Academic</b>				
1S10RR017269-01	POCHAPSKY, THOMAS C	2003	AN 800 MHZ NMR SPECTROMETER FOR THE BOSTON ARE	2,000,000
Type of Institution = Other Academic Totals :				1 Award for \$2,000,000
Institution = BRANDEIS UNIVERSITY Totals :				1 Award for \$2,000,000

<b>INSTITUTION HARVARD UNIVERSITY (MEDICAL SCHOOL)</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017224-01	MOORE, STEPHEN C	2002	SPECT SCANNER FOR MOLECULAR BIOLOGY AND IMAGI	880,432
Type of Institution = School of Medicine Totals :				1 Award for \$880,432
Institution = HARVARD UNIVERSITY (MEDICAL SCHOOL) Totals :				1 Award for \$880,432
State = MASSACHUSETTS Totals :				2 Awards for \$2,880,432

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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>STATE MINNESOTA</b>				
<b>INSTITUTION UNIVERSITY OF MINNESOTA TWIN CITIES</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017234-01	MAYO, KEVIN H	2003	32 PROCESSOR SGI ONYX 3800 W/64 GB MEMORY AND 1	917,973
1S10RR017240-01	UGURBIL, KAMIL	2003	9.4T/ 65CM BORE MR SYSTEM	1,500,000
Type of Institution = School of Medicine Totals :				2 Awards for \$2,417,973
Institution = UNIVERSITY OF MINNESOTA TWIN CITIES Totals :				2 Awards for \$2,417,973
State = MINNESOTA Totals :				2 Awards for \$2,417,973
<b>STATE MISSOURI</b>				
<b>INSTITUTION WASHINGTON UNIVERSITY</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017226-01	ACKERMAN, JOSEPH J	2002	SMALL ANIMAL 11.75 TESLA MAGNETIC RESONANCE SCA	2,000,000
1S10RR017264-01	GROSS, MICHAEL L	2003	DEVELOPMENT AND BIOLOGICAL APPLICATIONS FO 9.4-T	500,000
Type of Institution = School of Medicine Totals :				2 Awards for \$2,500,000
Institution = WASHINGTON UNIVERSITY Totals :				2 Awards for \$2,500,000
State = MISSOURI Totals :				2 Awards for \$2,500,000

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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>STATE NEW HAMPSHIRE</b>				
<b>INSTITUTION DARTMOUTH COLLEGE</b>				
<b>TYPE OF INSTITUTION</b>				
1S10RR019886-01	SPIELBERG, STEPHEN P	2004	NEUROIMAGING RESEARCH CENTER: HIGH FIELD FACILIT	2,000,000
Type of Institution = Totals :				1 Award for \$2,000,000
Institution = DARTMOUTH COLLEGE Totals :				1 Award for \$2,000,000
State = NEW HAMPSHIRE Totals :				1 Award for \$2,000,000

<b>STATE NEW JERSEY</b>				
<b>INSTITUTION UNIV OF MED/DENT NJ-R W JOHNSON MED SCH</b>				
<b>TYPE OF INSTITUTION Other Academic</b>				
1S10RR019928-01	MONTELIONE, GAETANO T	2004	ACQUISITION OF 800 MHZ NMR SYSTEM WITH CRYOGENI	760,000
Type of Institution = Other Academic Totals :				1 Award for \$760,000
Institution = UNIV OF MED/DENT NJ-R W JOHNSON MED SCH Totals :				1 Award for \$760,000
State = NEW JERSEY Totals :				1 Award for \$760,000

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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>STATE NEW YORK</b>				
<b>INSTITUTION COLUMBIA UNIVERSITY HEALTH SCIENCES</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017430-01	BRENNER, DAVID J	2003	HIGH STABILITY ACCELERATOR FOR SUB-CELLULAR MIC	2,000,000
Type of Institution = School of Medicine Totals :				1 Award for \$2,000,000
Institution = COLUMBIA UNIVERSITY HEALTH SCIENCES Totals :				1 Award for \$2,000,000
<b>INSTITUTION NEW YORK STRUCTURAL BIOLOGY CENTER</b>				
<b>TYPE OF INSTITUTION Other Research Organization</b>				
1S10RR017291-01	STOKES, DAVID L	2002	300 KV ELECTRON MICROSCOPE FOR STRUCTURAL BIOL	2,000,001
Type of Institution = Other Research Organization Totals :				1 Award for \$2,000,001
Institution = NEW YORK STRUCTURAL BIOLOGY CENTER Totals :				1 Award for \$2,000,001
<b>INSTITUTION NEW YORK UNIVERSITY SCHOOL OF MEDICINE</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017193-01	HELPERN, JOSEPH A	2003	A HIGH FIELD (7T) WHOLE BODY MR RESEARCH SYSTEM	2,000,000
Type of Institution = School of Medicine Totals :				1 Award for \$2,000,000
Institution = NEW YORK UNIVERSITY SCHOOL OF MEDICINE Totals :				1 Award for \$2,000,000



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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>INSTITUTION SLOAN-KETTERING INSTITUTE FOR CANCER RES</b>				
<b>TYPE OF INSTITUTION</b>				
1S10RR019937-01	FINN, RONALD D	2004	ECLIPSE RD CYCLOTRON	1,825,000
Type of Institution = Totals :				1 Award for \$1,825,000
Institution = SLOAN-KETTERING INSTITUTE FOR CANCER RES Totals :				1 Award for \$1,825,000

<b>INSTITUTION YESHIVA UNIVERSITY</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR019891-01	ANGELETTI, RUTH H	2004	FT-ICR MASS SPECTROMETER	1,666,783
Type of Institution = School of Medicine Totals :				1 Award for \$1,666,783
Institution = YESHIVA UNIVERSITY Totals :				1 Award for \$1,666,783
State = NEW YORK Totals :				5 Awards for \$9,491,784

**STATE NORTH CAROLINA**

<b>INSTITUTION DUKE UNIVERSITY</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017223-01	STENGER, JUDITH E	2003	SUN MICROSYSTEMS SUN FIRE 6800 SERVER SUPERCOM	1,158,043
Type of Institution = School of Medicine Totals :				1 Award for \$1,158,043
Institution = DUKE UNIVERSITY Totals :				1 Award for \$1,158,043

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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>INSTITUTION UNIVERSITY OF NORTH CAROLINA CHAPEL HILL</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017212-01	LIN, WEILI	2003	3 TESLA MAGNETIC RESONANCE IMAGING SCANNER	1,500,000
Type of Institution = School of Medicine Totals :				1 Award for \$1,500,000
Institution = UNIVERSITY OF NORTH CAROLINA CHAPEL HILL Totals :				1 Award for \$1,500,000
State = NORTH CAROLINA Totals :				2 Awards for \$2,658,043

**STATE OHIO**

<b>INSTITUTION CASE WESTERN RESERVE UNIVERSITY</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017275-01	QIN, JUN	2003	ULTRA HIGH FIELD 900 MHZ NMR SPECTROMETER	1,500,000
Type of Institution = School of Medicine Totals :				1 Award for \$1,500,000
Institution = CASE WESTERN RESERVE UNIVERSITY Totals :				1 Award for \$1,500,000

<b>INSTITUTION CHILDREN'S HOSPITAL MED CTR (CINCINNATI)</b>				
<b>TYPE OF INSTITUTION Hospital</b>				
1S10RR017211-01	HOLLAND, SCOTT K	2002	7T MRI SCANNER FOR SMALL ANIMALS/DEVELOPMENTAL	1,595,001
Type of Institution = Hospital Totals :				1 Award for \$1,595,001
Institution = CHILDREN'S HOSPITAL MED CTR (CINCINNATI) Totals :				1 Award for \$1,595,001

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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
<b>INSTITUTION UNIVERSITY HOSPITALS OF CLEVELAND</b>				
<b>TYPE OF INSTITUTION Hospital</b>				
1S10RR017209-01	LEWIN, JONATHAN S	2002	4.7 T SMALL ANIMAL MR IMAGING AND SPECTROSCOPY S	1,325,000
Type of Institution = Hospital Totals :				1 Award for \$1,325,000
Institution = UNIVERSITY HOSPITALS OF CLEVELAND Totals :				1 Award for \$1,325,000
State = OHIO Totals :				3 Awards for \$4,420,001

**STATE PENNSYLVANIA**

<b>INSTITUTION MELLON PITTS CORPORATION (MPC CORP)</b>				
<b>TYPE OF INSTITUTION Other Academic</b>				
1S10RR017191-01	ROSKIES, RALPH Z	2002	VERY-LARGE-SHARED-MEMORY SUPERCOMPUTER	1,345,821
Type of Institution = Other Academic Totals :				1 Award for \$1,345,821
Institution = MELLON PITTS CORPORATION (MPC CORP) Totals :				1 Award for \$1,345,821

<b>INSTITUTION UNIVERSITY OF PENNSYLVANIA</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR019939-01	BLAIR, IAN A	2004	FOURIER TRANSFORM MASS SPEC PROTEOMICS AND GE	771,572
1S10RR019950-01	LANDIS, J R	2004	NCRR - HIGH END INSTRUMENTATION (HEI)	612,652
Type of Institution = School of Medicine Totals :				2 Awards for \$1,384,224

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GRANT NUMBER	INVESTIGATOR	FY	PROJECT TITLE	AMT AWARDED
Institution = UNIVERSITY OF PENNSYLVANIA Totals :				2 Awards for \$1,384,224
<b>INSTITUTION UNIVERSITY OF PITTSBURGH AT PITTSBURGH</b>				
<b>TYPE OF INSTITUTION</b>				
1S10RR019907-01	BOADA, FERNANDO E	2004	HIGH FIELD WHOLE BODY MRI SCANNER FOR MULTI-NUC	2,000,000
Type of Institution = Totals :				1 Award for \$2,000,000
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017239-01	KIM, SEONG-GI	2002	9.4 T/31 CM BORE MR INSTRUMENT	2,000,000
Type of Institution = School of Medicine Totals :				1 Award for \$2,000,000
Institution = UNIVERSITY OF PITTSBURGH AT PITTSBURGH Totals :				2 Awards for \$4,000,000
State = PENNSYLVANIA Totals :				5 Awards for \$6,730,045

**STATE TENNESSEE**

**INSTITUTION VANDERBILT UNIVERSITY**

**TYPE OF INSTITUTION School of Medicine**

1S10RR017210-01A1	Moore, Jason H	2004	PARALLEL COMPUTER	1,526,201
1S10RR017292-01	STEWART, PHOEBE L	2003	ACQUISITION OF A LIQUID HELIUM CRYO-ELECTRON MIC	2,000,000
1S10RR020066-01	AVISON, MALCOLM J	2004	HIGH FIELD MRI/MRS SYSTEM FOR NON-HUMAN PRIMATE	2,000,000

Type of Institution = School of Medicine Totals : 3 Awards for \$5,526,201

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Institution = VANDERBILT UNIVERSITY Totals :			3 Awards for	\$5,526,201
State = TENNESSEE Totals :			3 Awards for	\$5,526,201

**STATE**      **TEXAS**

**INSTITUTION**      **BAYLOR COLLEGE OF MEDICINE**

**TYPE OF INSTITUTION**      School of Medicine

1S10RR017287-01	CHIU, WAH	2002	HIGH RESOLUTION ELECTRON CRYOMICROSCOPE	2,000,000
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Type of Institution = School of Medicine Totals :      1 Award for      \$2,000,000

Institution = BAYLOR COLLEGE OF MEDICINE Totals :      1 Award for      \$2,000,000

**INSTITUTION**      **UNIVERSITY OF TEXAS AUSTIN**

**TYPE OF INSTITUTION**      Other Academic

1S10RR017263-01	MOINI, MEHDI	2003	FOURIER TRANSFORM ION CYCLOTRON RESONANCE MA	1,329,000
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Type of Institution = Other Academic Totals :      1 Award for      \$1,329,000

Institution = UNIVERSITY OF TEXAS AUSTIN Totals :      1 Award for      \$1,329,000

**INSTITUTION**      **UNIVERSITY OF TEXAS HLTH SCI CTR HOUSTON**

**TYPE OF INSTITUTION**      School of Medicine

1S10RR017205-01	NARAYANA, PONNADA A	2003	HIGH FIELD MRI SCANNER FOR ANIMAL STUDIES	1,575,000
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Type of Institution = School of Medicine Totals :      1 Award for      \$1,575,000

Institution = UNIVERSITY OF TEXAS HLTH SCI CTR HOUSTON Totals :      1 Award for      \$1,575,000

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<b>INSTITUTION UNIVERSITY OF TEXAS HLTH SCI CTR SAN ANT</b>				
<b>TYPE OF INSTITUTION</b>				
3S10RR017198-01S1	GAO, JIA-HONG	2003	HIGH FIELD (3 T) MRI SCANNER AT SAN ANTONIO, TEXAS	200,000
Type of Institution = Totals :				1 Award for \$200,000
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017198-01	GAO, JIA-HONG	2002	HIGH FIELD (3 T) MRI SCANNER AT SAN ANTONIO, TEXAS	1,600,000
Type of Institution = School of Medicine Totals :				1 Award for \$1,600,000
Institution = UNIVERSITY OF TEXAS HLTH SCI CTR SAN ANT Totals :				2 Awards for \$1,800,000
<b>INSTITUTION UNIVERSITY OF TEXAS SW MED CTR/DALLAS</b>				
<b>TYPE OF INSTITUTION Other Academic</b>				
1S10RR017270-01	RIZO-REY, JOSE	2002	800 MHZ NMR SPECTROMETER	2,000,000
Type of Institution = Other Academic Totals :				1 Award for \$2,000,000
Institution = UNIVERSITY OF TEXAS SW MED CTR/DALLAS Totals :				1 Award for \$2,000,000
State = TEXAS Totals :				6 Awards for \$8,704,000

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<b>STATE UTAH</b>				
<b>INSTITUTION UNIVERSITY OF UTAH</b>				
<b>TYPE OF INSTITUTION Other Academic</b>				
1S10RR017214-01	FACELLI, JULIO C	2002	PROTEINS TO POPULATION:A METACLUSTER FOR BIOINF	1,531,008
Type of Institution = Other Academic Totals :				1 Award for \$1,531,008
Institution = UNIVERSITY OF UTAH Totals :				1 Award for \$1,531,008
State = UTAH Totals :				1 Award for \$1,531,008

<b>STATE WASHINGTON</b>				
<b>INSTITUTION INSTITUTE FOR SYSTEMS BIOLOGY</b>				
<b>TYPE OF INSTITUTION Other Research Organization</b>				
1S10RR017262-01	GOODLETT, DAVID R	2003	FOURIER TRANSFORM-ION CYCLOTRON-RESONANCE MA	782,028
Type of Institution = Other Research Organization Totals :				1 Award for \$782,028
Institution = INSTITUTE FOR SYSTEMS BIOLOGY Totals :				1 Award for \$782,028
<b>INSTITUTION UNIVERSITY OF WASHINGTON</b>				
<b>TYPE OF INSTITUTION School of Medicine</b>				
1S10RR017229-01	KROHN, KENNETH A	2002	CYCLOTRON FOR PET ISOTOPE PRODUCTION	1,632,000
Type of Institution = School of Medicine Totals :				1 Award for \$1,632,000
Institution = UNIVERSITY OF WASHINGTON Totals :				1 Award for \$1,632,000

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State = WASHINGTON Totals : 2 Awards for \$2,414,028

<b>STATE</b>	<b>WISCONSIN</b>
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**INSTITUTION**      **MEDICAL COLLEGE OF WISCONSIN**

**TYPE OF INSTITUTION**      School of Medicine

1S10RR017215-01	HYDE, JAMES S	2003	3T WHOLE-BODY MRI SCANNER FOR FUNCTIONAL IMAGI	2,000,000
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Type of Institution = School of Medicine Totals : 1 Award for \$2,000,000

Institution = MEDICAL COLLEGE OF WISCONSIN Totals : 1 Award for \$2,000,000

State = WISCONSIN Totals : 1 Award for \$2,000,000

<b>Grand Total</b>	<b>50 Awards for</b>	<b>\$73,872,561</b>
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