

R30B35
University of Maryland Biotechnology Institute
 University System of Maryland

Operating Budget Data

(\$ in Thousands)

	FY 06	FY 07	FY 08	FY 07-08	% Change
	<u>Actual</u>	<u>Working</u>	<u>Allowance</u>	<u>Change</u>	<u>Prior Year</u>
General Funds	\$17,401	\$20,771	\$21,745	\$974	4.7%
Other Unrestricted Funds	15,532	17,113	17,113	0	0.0%
Total Unrestricted Funds	32,933	37,884	38,858	974	2.6%
Restricted Funds	<u>26,025</u>	<u>27,500</u>	<u>27,500</u>	<u>0</u>	<u>0.0%</u>
Total Funds	\$58,958	\$65,384	\$66,358	\$974	1.5%

- General funds increase \$974,000, or 4.7%, in the fiscal 2008 allowance. The additional funds will go toward current services cost increases.
- Health insurance costs decline due to one-time savings. Adjusting for this one-time savings, the fiscal 2008 allowance (total funds) actually increases \$1.6 million, or 2.5%.
- As of fiscal 2008, the Institute of Human Virology (IHV) will be administratively relocated to the University of Maryland, Baltimore (UMB). However, adjustments will be made to the University of Maryland Biotechnology Institute's (UMBI) budget through a budget amendment and are not reflected in the allowance.

Personnel Data

	FY 06	FY 07	FY 08	FY 07-08
	<u>Actual</u>	<u>Working</u>	<u>Allowance</u>	<u>Change</u>
Regular Positions	415.75	439.75	439.75	0.00
Contractual FTEs	<u>62.48</u>	<u>98.10</u>	<u>98.10</u>	<u>0.00</u>
Total Personnel	478.23	537.85	537.85	0.00

Vacancy Data: Regular Positions

Turnover, Excluding New Positions	22.60	5.14%
Positions Vacant as of 12/31/06	17.26	3.90%

- The fiscal 2008 allowance provides no new positions for UMBI.
- The administrative relocation of IHV includes the personnel. Approximately 140 positions will be relocated to UMB. Adjustments for the funds associated with these personnel will be made through a budget amendment.

Note: Numbers may not sum to total due to rounding.

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Analysis in Brief

Major Trends

Increases in Research Funding Slow: Grant and contract revenue increased \$0.9 million over fiscal 2005 levels. This is the smallest increase in at least four years.

Commercialization of Technology Is Strong: The number of industry sponsored research awards has increased by 70% over fiscal 2005. Eight patents were issued in fiscal 2006. The number of licensing agreements and options increased from 27 in fiscal 2005 to 35 in fiscal 2006.

K-12 Education Opportunities Provided to More Teachers and Students Than Anticipated: Dramatic increases are attributable to the success of the Maryland Loaner Lab program. Fiscal 2006 was the first full year during which this program operated.

Issues

Institute of Human Virology Set for Realignment with University of Maryland, Baltimore: The Board of Regents has approved the administrative relocation of the Institute of Human Virology to the University of Maryland, Baltimore. A budget amendment will be submitted to transfer funds between the two institutions. Bridge funding in the amount of \$1.7 million has been proposed to hold UMBI harmless. This money will be transferred from fund balance.

Progress Made in the Identification of Performance Peers: UMBI has made some progress in identifying peers. They have identified 22 potential private institutions, and surveys have been sent to see if they are willing to share information with UMBI.

Recommended Actions

1. Adopt narrative requiring a report on the financial aspects of the administrative relocation of the Institute of Human Virology.

Updates

Personnel Study Continues: Only 34% of UMBI's filled regular positions in fiscal 2007 are State-supported.

R30B35
University of Maryland Biotechnology Institute
University System of Maryland

Operating Budget Analysis

Program Description

The University of Maryland Biotechnology Institute (UMBI) aims to establish and nurture internationally recognized biotechnology research programs and to promote biotechnology-related economic development in Maryland. It pursues these goals through five interdisciplinary research centers at locations throughout the State. Each center has a unique focus.

- **Center for Advanced Research in Biotechnology:** Founded in 1985 to study protein engineering, structure, and function; provides advanced technical capabilities to the biotechnology industry; located in Shady Grove, Montgomery County.
- **Center of Marine Biotechnology:** Founded in 1985; specializes in research in molecular biology, molecular genetics, bioprocess development of aquaculture fisheries, marine microbial products and processes, and marine pollution/environmental remediation; located at the Columbus Center in the City of Baltimore's Inner Harbor.
- **Medical Biotechnology Center:** Founded in 1986 to conduct medical biotechnology research and training; housed in UMBI's medical research facility at the University of Maryland, Baltimore campus, Baltimore City.
- **Center for Biosystems Research:** Founded in 1987 to address fundamental biological questions and derive practical solutions that benefit agriculture, industry, human medicine, and the environment; located at the University of Maryland, College Park campus, Prince George's County.
- **Institute of Human Virology (IHV):** Founded in 1996 to combine basic research, epidemiology, clinical research toward the discovery of diagnostics, and therapeutics in human virology; housed within the medical research facility in Baltimore.

Building on its strength in research and economic development activities, UMBI aims to increase revenues from extramural funding sources.

In addition to its commitment to conducting research and serving as a catalyst for business development, UMBI aims to provide training for the biotechnology workforce and the next generation of scientists, improve access of minorities to bioscience education, and advance public knowledge of biotechnology related issues. To this end, UMBI contributes to the education and training of students at all levels in the life sciences and biotechnology.

Education programs include hands-on K-16 science and technology learning opportunities for teachers and students, including internships. UMBI faculty members also teach and mentor more than 100 research trainees, including degree-seeking students and post doctoral trainees, each year.

Performance Analysis: Managing for Results

Realignment of IHV Will Impact Managing for Results

In December 2006, the University System of Maryland's (USM) Board of Regents approved the realignment of the IHV from UMBI to the University of Maryland, Baltimore (UMB). This realignment will impact UMBI's Managing for Results (MFR) measures related to grant and contract revenues, partnerships, graduate trainees, patents, and other research related measures. When adjustments to the MFR take place, it will be difficult to establish longitudinal comparisons to determine performance history for these measures. The realignment of IHV is not anticipated to impact the K-12 educational opportunities as these activities are not related to the research activities at UMBI's centers.

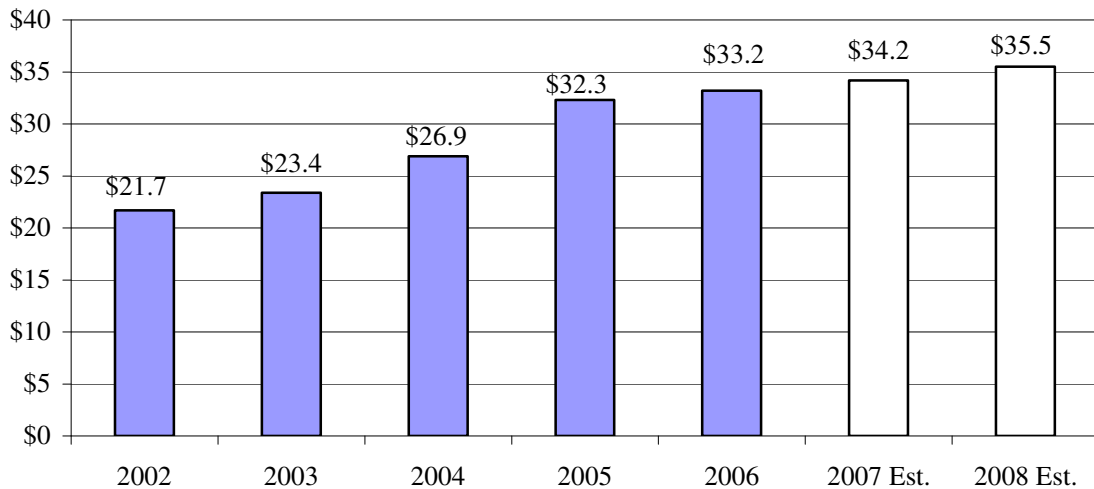
The realignment will be effective in fiscal 2008. Therefore, the fiscal 2007 actual data, when it becomes available next year, will likely not be impacted. UMBI will be working with the system office to restructure and update their MFR as appropriate to adjust for the loss of IHV. Additionally, the fiscal 2006 MFR submitted for the 2007 session is not impacted. However, the fiscal 2008 estimates may be adjusted at a later date.

The President should comment on the likely impact of the administrative relocation of IHV on the Managing for Results.

Increases in Research Funding Slow

UMBI is one of two USM research-only institutes. Therefore, the amount of grant and contract revenues is a critical measure for UMBI. Recently, the trend in federal funding has shifted away from single projects and moved towards multiple projects and multiple principal researchers. This has presented a challenge to UMBI. To overcome this shift, UMBI has been targeting funding from a variety of sources, such as industry and private foundations. **Exhibit 1** shows the total grant and contract revenue from fiscal 2002 through 2008. After two consecutive years in which this revenue increased by at least \$1.7 million in each year, there was only a \$0.9 million increase in fiscal 2006. UMBI received \$33.2 million in fiscal 2006, fairly close to the anticipated \$33.3 million. However, UMBI reported that the large increases in the prior years were the result of a change in accounting practices at IHV. UMBI is estimating modest gains in fiscal 2007 as well.

Exhibit 1
Grant and Contract Revenue
Fiscal 2002-2008
(\$ in Millions)



Source: Governor's Budget Books, Fiscal 2008

UMBI also measures the number of multi-project funding awards. The number of awards received has remained steady at 19. UMBI would like to increase this to 22 by fiscal 2009.

The President should comment on the outlook for future research awards given the administrative relocation of IHV and whether UMBI will be able to increase research awards to replace those lost by the relocation. The President should also address the loss of the associated indirect costs from IHV's research awards.

Commercialization of Technology Is Strong

UMBI strives to find practical applications for its research. To achieve this, UMBI partners with industry to develop research and technologies that have commercial applications. They achieve this through industry-sponsored research awards (SRAs). In fiscal 2005, 10 SRAs were received, and in fiscal 2006, 17 SRAs were received. UMBI reports that, in accordance with their strategic plan, emphasis has been placed on faculty developing relations with industry. This effort has resulted in additional industry-sponsored research awards being received.

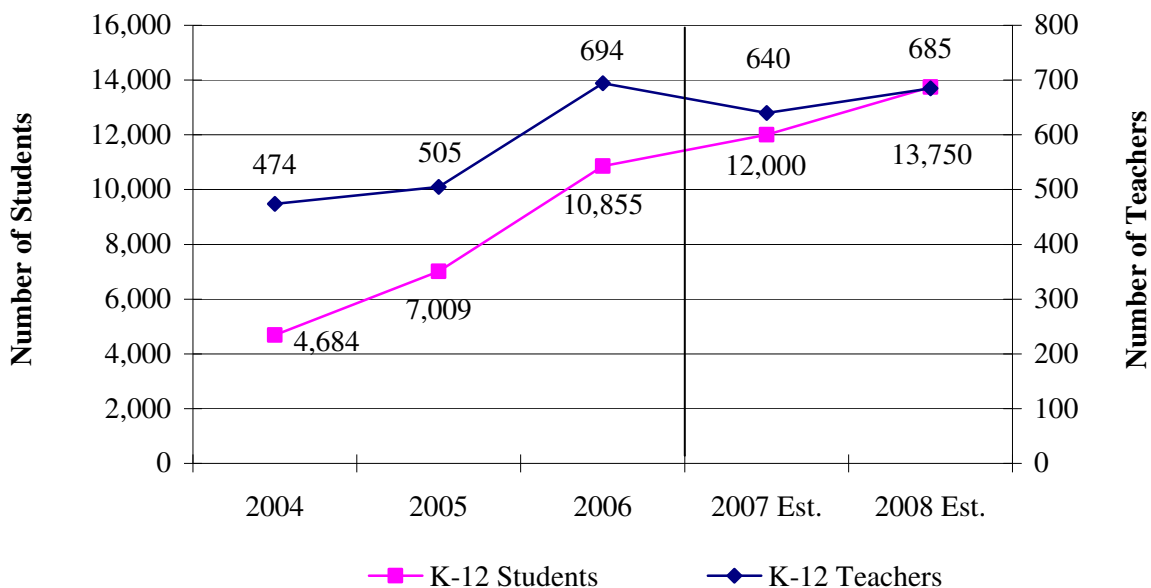
Other measures of commercialization are the number of patents issued and the number of licensing agreements created. In terms of patents, eight were issued in fiscal 2006. UMBI compares its patent issue rate to that of United States hospitals and research institutions. This is measured on the basis of the number of patents issued per \$1.0 million of sponsored research awarded. UMBI's rate is 0.24 United States patents issued per \$1.0 million of sponsored research. This compares well

to a rate of 0.15 of hospitals and research institutions in the U.S. The number of licensing agreements has increased from 27 in fiscal 2005 to 35 in fiscal 2006. This is the second year of significant increases. In fiscal 2004, they entered into 18 agreements. UMBI reports that this increase is the result of two factors. One is the concerted effort to execute agreements. Also, entities that have funded research expect options to license technology developed through that research.

K-12 Education Opportunities Provided to More Teachers and Students Than Anticipated

An important mission for UMBI is to have an impact on the science education of K-12 students and teachers. **Exhibit 2** shows the number of K-12 students and teachers participating in certain science enrichment programs since fiscal 2004. Dramatic increases have occurred from fiscal 2005 to 2006. UMBI attributes these increases to the Maryland Loaner Lab program that was established, initially as a pilot program, in spring 2005. Therefore, fiscal 2006 was the first full year of operation for the program. The Loaner Lab is an outreach program, funded by sponsors, through which kits related to science education are available for teachers to take back to the classroom. This new program has been more successful than anticipated. When considering all of UMBI’s K-12 education opportunities, UMBI expected 600 teachers and 8,200 students to participate in these programs in fiscal 2006. In fact, 694 teachers and 10,855 students participated.

Exhibit 2
K-12 Students and Teachers Participating in Science Enrichment Programs
Fiscal 2004-2008



Source: Governor’s Budget Books, Fiscal 2008

Governor’s Proposed Budget

Administrative Relocation of the Institute of Human Virology

Starting in fiscal 2008 the Institute of Human Virology will become a part of the medical school at the University of Maryland, Baltimore. However, USM and the Department of Budget and Management (DBM) have decided that a budget amendment will be submitted in spring 2007 to adjust UMBI’s budget and UMB’s budget. Therefore, the budget information presented in this section does not reflect any changes related to the administrative relocation of IHV. This issue and its likely impact on the budget will be further discussed in Issue 1.

The Fiscal 2008 Allowance

The general fund allowance for fiscal 2008 is almost \$1.0 million, or 4.7% above fiscal 2007, as shown in **Exhibit 3**. However, a one-time health insurance savings will free \$0.6 million in total funds for expenditure in fiscal 2008. When including this adjustment, UMBI will have \$1.6 million in additional total funds, an increase of 2.5% available for fiscal 2008. UMBI reports that the additional funds in the fiscal 2008 allowance will go toward current services cost increases for merit increases, health inflation, retirement, utility inflation, and facility renewal. The allowance provides no enhancement funds to UMBI.

Exhibit 3
Governor’s Proposed Budget
University of Maryland Biotechnology Institute
Fiscal 2006-2008
(\$ in Thousands)

	<u>2006</u> <u>Actual</u>	<u>2007</u> <u>Working</u>	<u>2008</u> <u>Allowance</u>	<u>2007-08</u> <u>Change</u>	<u>% Change</u> <u>Prior Year</u>
General Funds	\$17,401	\$20,771	\$21,745	\$974	4.7%
Other Unrestricted Funds	15,532	17,113	17,113	0	0.0%
Total Unrestricted Funds	32,933	37,884	38,858	974	2.6%
Restricted Funds	26,025	27,500	27,500	0	0.0%
Retiree Health Adjustment *		-642		642	
Total Funds	\$58,958	\$64,742	\$66,358	\$1,616	2.5%

*The retiree health adjustment in fiscal 2007 amounts to an additional \$0.6 million that is available for expenditure in fiscal 2008.

Note: Numbers may not sum to total due to rounding.

UMBI’s State-supported budget by program is shown in **Exhibit 4**. State-supported funds account for 42.4% of UMBI’s total budget for fiscal 2008. Of the State-supported amount, general funds are about 77.3%. The largest increase in UMBI’s State-supported budget occurs in the physical plant program. Expenditures in the physical plant are expected to increase \$0.8 million, or 12%. Public service is the next highest percent increase in expenditures at 3.6%. However, this equates to only \$12,000. The research program, although experiencing only a 0.4% increase (the lowest percent increase of all the programs), is increasing by \$60,000 over the fiscal 2007 working appropriation. In terms of revenues, the only new State-supported revenues that UMBI is receiving in fiscal 2008 are general funds. Additionally, UMBI is not planning to transfer any funds to fund balance in either fiscal 2007 or 2008.

It should be noted again, that the administrative relocation of IHV will likely impact the information in this exhibit.

Exhibit 4
UMBI State-supported Budget Changes by Program
Fiscal 2006-2008
(\$ in Thousands)

<u>Expenditures</u>	<u>2006 Actual</u>	<u>2007 Working</u>	<u>2006-07 % Change</u>	<u>2008 Allowance</u>	<u>2007-08 Change</u>	<u>2007-08 % Change</u>
Research	\$11,710	\$14,049	20.0%	\$14,108	\$60	0.4%
Plant	5,061	7,074	39.8%	7,923	849	12.0%
Institutional support	4,884	5,684	16.4%	5,737	53	0.9%
Public service	294	341	16.0%	354	12	3.6%
Total	\$21,950	\$27,147	23.7%	\$28,121	\$974	3.6%
Revenues						
General Funds	\$17,401	\$20,771	19.4%	\$21,745	\$974	4.7%
Other State Support	5,708	6,376	11.7%	6,376	0	0.0%
Transfer (to)/from Fund Balance	-1,159	0	-100.0%	0	0	
Total	\$21,950	\$27,147	23.7%	\$28,121	\$974	3.6%

Source: University of Maryland Biotechnology Institute

Issues

1. Institute of Human Virology Set for Realignment with University of Maryland, Baltimore

As part of its systemwide efficiency initiative, the Board of Regents studied whether changes to the organization of UMBI would better serve the institution and the system as a whole. UMBI is a non-degree granting, research institution that is made up of five research centers, one of which is IHV. The Chancellor recommended that UMBI remain a USM institution based on its continued financial viability. However, it was recommended that the system office lead a review of realigning the administration of IHV, which has changed its focus from basic research to clinical research, with UMB.

The Chancellor first met with experts in human virology and the consensus was that UMB would be a more compatible administrative home for IHV. Also, a task force was established to analyze the financial, faculty, and building space impacts that the realignment may have. IHV is located in the Medical Research Facility (MRF). MRF was intended to only house the Medical Biotechnology Center (MBC), another research center of UMBI. Currently, IHV occupies 56% of the space in MRF. In terms of money, 75% of the IHV research funding is due to UMB primary faculty, and this is expected to continue increasing. In terms of faculty, IHV employs 73% of the personnel located in MRF.

It is for these reasons that the task force recommended IHV be administratively realigned with UMB. The task force acknowledged that there would be formidable administrative, fiscal, and facilities obstacles in realigning IHV. In December 2006, the Board of Regents approved the transfer.

IHV will become part of UMB's School of Medicine. However, it will maintain its institute status. IHV will remain in its current physical location as UMB has no place to house it. No changes in the use of space in MRF will occur for at least three years until a space allocation study is complete. UMBI will remain the owner of the MRF building and will continue to operate MBC. It has been suggested that when UMB's Health Sciences Facility III (HSF III) is open, then IHV could move to that location. However, HSF III is not currently in the Governor's five-year *Capital Improvement Program*.

The financial impact will occur in the fiscal 2008 budget year and will include the following:

- all awards and associated indirect cost recovery generated by IHV will transfer to UMB (approximately \$4.9 million in indirect costs);
- all faculty and staff will be transferred to UMB (approximately 140 positions, 99 of which have already been transferred in fiscal 2007);
- \$1.7 million has been proposed as bridge funding to hold UMBI harmless for the loss of the administrative share of indirect cost recovery funds;

- general funds related to program support of IHV will transfer to UMB (\$1.7 million);
- all general funds provided to UMBI to support MRF will remain with UMBI (\$1.3 million); and
- UMBI will assume all costs associated with MRF (UMB will not pay rent).

A memorandum of understanding (MOU) between UMBI and UMB has been agreed to and approved by the Board of Regents. However, many details of the transfer still need to be worked out. USM agreed with DBM to realign the funds for the transfer through a budget amendment.

The President should comment on the proposed plan and the details of the MOU. Particularly, the President should address the basis for determining the amount of bridge funding, the source of the bridge funding, and how long the bridge funding may be needed.

The Department of Legislative Services (DLS) recommends that USM submit a report on the finalized fiscal impact of the transfer of IHV to UMB. The report should include a complete accounting of all deletions to the budget of UMBI and all additions to the budget of UMB including any bridge funding. This report should be submitted and the committees given a 45-day review and comment period prior to the submission of the budget amendment.

2. Progress Made in the Identification of Performance Peers

Although UMBI is exempt from identifying peers for purposes of the funding guidelines, having performance peers would be helpful in analyzing the operational budget. To date, UMBI has made progress in identifying performance peers. UMBI has concluded that there is no comparable public research institution that would serve as a peer. Therefore, they have turned their search efforts to the private sector.

UMBI has not found one research institution that covers the breadth of research topic areas that UMBI has. Therefore, UMBI intends to create composite peers. They will do this by selecting research institutions that have research topics common with those of UMBI's centers. UMBI will then attempt to gather performance data from these institutions. They will then create a composite peer using weighted averages of the peer's performance data equal to the portion that the research topic area makes up within UMBI. UMBI also intends to normalize the data in an awards per faculty or per million dollars of funding basis. This will allow for comparison to institutions that may have larger or smaller budgets than UMBI. So far, UMBI has identified 22 potential institutions to include in this composite peer. The success of the peer comparisons rests on the private institutions willingness to share data.

UMBI recently sent surveys to 20 private institutions to see whether they were willing to share information. However, initial conversations with the potential peers indicate that there will be some hesitancy in providing information as they feel it is confidential and possibly even proprietary.

Recommended Actions

1. Adopt the following narrative:

Report on the Administrative Relocation of the Institute of Human Virology: The committees request the University System of Maryland (USM) to submit a report that provides an accounting of the financial aspects of the administrative relocation of the Institute of Human Virology from UMBI to UMB. The institutions plan to transfer funds related to the relocation through a budget amendment. The report shall be submitted 45 days prior to the submission of the budget amendment. This will allow the committees to review and comment on the financial plan.

Information Request	Author	Due Date
Report on the administrative relocation of the Institute of Human Virology	USM	45 days prior to submission of budget amendment

Updates

1. Personnel Study Continues

The total UMBI workforce is currently 538 full-time equivalent regular and contractual employees. This includes filled and vacant positions. The fiscal 2008 allowance does not add any new positions.

UMBI, as of December 2006, is carrying 17 vacant positions, a vacancy rate of 3.9%. The fiscal 2008 allowance provides a vacancy rate of 5.14%, or 23 positions.

DLS conducted a survey to gather data regarding the number of filled regular positions. Since UMBI classifies all of its personnel as research, DLS cannot evaluate changes in the composition of personnel by budget program. However, DLS evaluated UMBI personnel by faculty, exempt and non-exempt, and by State or non-state supported. The data reflect only filled regular positions.

At UMBI, faculty account for 24.0% of the total filled regular positions in fiscal 2007. UMBI does not have instructional faculty, so all of these personnel are research faculty. For USM as a whole, the proportion is 38.1%. Exempt personnel, who generally are higher paid administrators and managers and are exempt from overtime pay, account for 54.0% of the filled regular positions. For USM as a whole, exempt personnel account for 34.6% of the total. Non-exempt employees account for 22.0% of the total. For USM as a whole, nonexempt personnel account for 27.3%.

Because UMBI is primarily a research center, many of their employees are not supported with State funds. In fiscal 2007, 65.3% of the filled regular positions were not State-supported. The remaining 34.7% were State-supported.

Current and Prior Year Budgets

Current and Prior Year Budgets University of Maryland Biotechnology Institute (\$ in Thousands)

	<u>General Fund</u>	<u>Other Unrestricted Fund</u>	<u>Total Unrestricted Fund</u>	<u>Restricted Fund</u>	<u>Total</u>
Fiscal 2006					
Legislative Appropriation	\$17,173	\$14,048	\$31,221	\$25,000	\$56,221
Deficiency Appropriation	0	0	0	0	0
Budget Amendments	228	4,220	4,448	2,500	6,948
Reversions and Cancellations	0	-2,736	-2,736	-1,475	-4,211
Actual Expenditures	\$17,401	\$15,532	\$32,933	\$26,025	\$58,958
Fiscal 2007					
Legislative Appropriation	\$20,703	\$15,406	\$36,110	\$27,500	\$63,610
Budget Amendments	68	1,706	1,774	0	1,774
Working Appropriation	\$20,771	\$17,113	\$37,884	\$27,500	\$65,384

Note: Numbers may not sum to total due to rounding.

Fiscal 2006

For fiscal 2006, University of Maryland Biotechnology Institute received a total general fund increase of \$0.2 million through budget amendments. This amount included an increase of \$169,538 for State employee cost-of-living adjustment (COLA) increases and an increase of \$58,784 to realign health insurance expenditures with projections. Other unrestricted funds increased \$4.2 million through budget amendment. The increase included \$2.4 million from a transfer from fund balance, \$1.2 million from miscellaneous income, \$0.4 million from indirect cost recovery from contract and grant activity, and \$0.3 million from an increase in sales and services of educational activities.

Restricted funds increased \$2.5 million in fiscal 2006. This increase was due to contract and grant revenue from subcontracts and goods and services agreements between the Institute of Human Virology and the University of Maryland, Baltimore.

UMBI cancelled \$2.7 million in unrestricted funds due to needing less funds from fund balance than anticipated. Some of the projects that UMBI anticipated would need funds from fund balance were either delayed or other sources of funding were found. UMBI also cancelled \$1.5 million in restricted funds primarily due to two grants ending during fiscal 2006. One grant was transferred to Rutgers University, and a National Institutes of Health grant experienced decreased spending.

Fiscal 2007

For fiscal 2007, general funds increased a net total of \$67,955. This included an increase of \$319,670 for State employee COLA increases. This increase was offset by a decrease of \$251,715 in general funds to reflect the reallocation of general funds to balance health cost savings.

Other unrestricted funds increased \$1.7 million through budget amendment. Increases include \$1,000,303 in miscellaneous income related to reimbursement from the National Institute of Standards and Technology, \$495,000 in sales and services of educational activities, and a net increase of \$211,000 in indirect costs from grant and contract activity. The grant and contract activity included an increase of \$1,153,105 in State activity, an increase of \$73,653 in federal activity, and a decrease of \$1,015,758 in private activity.

Audit Findings

Audit Period for Last Audit:	February 14, 2003 – February 2, 2006
Issue Date:	August 2006
Number of Findings:	5
Number of Repeat Findings:	2
% of Repeat Findings:	40%
Rating: (if applicable)	n/a

- Finding 1:*** **UMBI did not make an adequate effort to collect delinquent accounts related to certain outstanding grant reimbursement requests.**
- Finding 2:*** Information technology disaster recovery plans did not exist or were insufficient.
- Finding 3:*** **UMBI’s internal computer network was not adequately secured.**
- Finding 4:*** Controls for network authentication were inadequate.
- Finding 5:*** Cash receipts collected at two of UMBI’s locations were not transferred timely for deposit.

*Bold denotes item repeated in full or part from preceding audit report.

**Object/Fund Difference Report
USM – University of Maryland Biotechnology Institute**

<u>Object/Fund</u>	<u>FY06 Actual</u>	<u>FY07 Working Appropriation</u>	<u>FY08 Allowance</u>	<u>FY07-FY08 Amount Change</u>	<u>Percent Change</u>
Positions					
01 Regular	415.75	439.75	439.75	0	0%
02 Contractual	62.48	98.10	98.10	0	0%
Total Positions	478.23	537.85	537.85	0	0%
Objects					
01 Salaries and Wages	\$ 39,053,082	\$ 43,130,628	\$ 43,322,873	\$ 192,245	0.4%
02 Technical and Spec Fees	324,114	71,710	71,710	0	0%
03 Communication	426,262	241,047	241,086	39	0%
04 Travel	659,717	690,182	690,182	0	0%
06 Fuel and Utilities	3,040,783	4,269,900	4,891,525	621,625	14.6%
07 Motor Vehicles	159,273	16,165	17,198	1,033	6.4%
08 Contractual Services	7,947,622	9,386,322	9,379,278	-7,044	-0.1%
09 Supplies and Materials	5,024,222	5,243,094	5,243,094	0	0%
11 Equipment – Additional	737,170	1,895,568	1,895,568	0	0%
12 Grants, Subsidies, and Contributions	402,629	191,786	191,786	0	0%
13 Fixed Charges	603,740	-2,598	-36,565	-33,967	1307.4%
14 Land and Structures	578,986	250,000	450,000	200,000	80.0%
Total Objects	\$ 58,957,600	\$ 65,383,804	\$ 66,357,735	\$ 973,931	1.5%
Funds					
40 Unrestricted Fund	\$ 32,932,690	\$ 37,883,804	\$ 38,857,735	\$ 973,931	2.6%
43 Restricted Fund	26,024,910	27,500,000	27,500,000	0	0%
Total Funds	\$ 58,957,600	\$ 65,383,804	\$ 66,357,735	\$ 973,931	1.5%

Note: The fiscal 2007 appropriation does not include deficiencies, and the fiscal 2008 allowance does not reflect contingent reductions.

Fiscal Summary
USM – University of Maryland Biotechnology Institute

<u>Program/Unit</u>	<u>FY06 Actual</u>	<u>FY07 Wrk Approp</u>	<u>FY08 Allowance</u>	<u>Change</u>	<u>FY07-FY08 % Change</u>
02 Research	\$ 58,957,600	\$ 65,383,804	\$ 66,357,735	\$ 973,931	1.5%
Total Expenditures	\$ 58,957,600	\$ 65,383,804	\$ 66,357,735	\$ 973,931	1.5%
Unrestricted Fund	\$ 32,932,690	\$ 37,883,804	\$ 38,857,735	\$ 973,931	2.6%
Restricted Fund	26,024,910	27,500,000	27,500,000	0	0%
Total Appropriations	\$ 58,957,600	\$ 65,383,804	\$ 66,357,735	\$ 973,931	1.5%

Note: The fiscal 2007 appropriation does not include deficiencies, and the fiscal 2008 allowance does not reflect contingent reductions.