Appendix A:
Press Releases and Speeches

GOVERNOR PATRICK ANNOUNCES MASSACHUSETTS' NEW LIFE SCIENCES INITIATIVE

Investment package, industry and public- private higher education collaboration and state stem cell bank make Massachusetts global leader

BOSTON - Tuesday, May 8, 2007- Governor Deval Patrick today announced his plan to make Massachusetts the global leader in life sciences, unveiling for the first time ever a comprehensive, collaborative Massachusetts Life Science Strategy.

The plan, outlined during a speech at the BIO 2007 convention, includes a 10 year, $1 billion investment package that will both enhance the state's already nationally recognized assets in the fields of medicine and science and fill gaps in federal funding to ensure the state's ability to support life science progress from the idea stage through the production stage. The Patrick Administration's strategy brings together industry, academic research hospitals, and public and private colleges and universities to coordinate these efforts, spur new research, strengthen investments, create new jobs and produce new therapies for a better quality of life.

"There is no place in the world with as much talent in life sciences and biotech as here in Massachusetts," said Governor Patrick. "Now is the time for us to invest in that talent and bring together the resources of our unparalleled research universities, teaching hospitals, and industry to work towards a common goal - to grow ideas into products to create cures and jobs."

Key to the Governor's Life Science Initiative is new legislation that will strengthen the Massachusetts Life Science Center and charge it with the execution of a life science mission focused on science and economic development, strategic investments at critical stages of the development cycle, and collaboration with the private sector to create innovation infrastructure critical to both researchers and companies. The Governor also announced his commitment to making targeted investments in companies that encourage life science economic development in the Commonwealth.

"I commend the Governor for reaching our to all sectors of our life science cluster in order to craft a stem cell/life science package that recognizes the unique institutional assets and intellectual firepower in our region," said Steven Hyman, Professor of Neurobiology at Harvard Medical Schooland Chairman of the Massachusetts. "The Governor allocates state resources in effective ways to enhance our traditional strengths, buttress areas that need attention, and encourage powerful collaborations between our leading edge institutions."

Today's announcement at the BIO 2007 Convention highlighted the following:

A $1 billion investment package that includes funds to:

- **Bridge the NIH funding gap** - A competitive grant program during the current downturn in federal support to sustain key programs in the state. Our collective success during the 1998 - 2003 period when the NIH budget doubled from $14 billion to $28 billion only solidified Massachusetts' dominance in the area of biomedical research. However, the subsequent four years of flat funding since 2003 has caused a 13 percent loss of funding power by NIH and a 35 percent reduction in support for clinical trials. The Patrick administration will make surgical investments during the downturn to sustain key programs here in Massachusetts in order that our position is sustained to once again capture large percentages of new funding when it materializes.

- **Create the Massachusetts Stem Cell Bank** - A first A first in the nation centralized repository of new stem cell lines available to all sectors, public and private, of research enterprise. Boston University, Brigham & Women's, Children's Hospital, Harvard University, Massachusetts General Hospital, the Massachusetts Institute of Technology, Partners HealthCare and the University of Massachusetts have already agreed to participate in the Bank when it is completed.

- **Establish Massachusetts Life Science Fellowship Grants** - Grant packages for research institutions in Massachusetts to attract and retain the rising stars of life sciences research in the Commonwealth, and ensure Massachusetts is competitive with other states and nations.

- **Establish Massachusetts Life Science Innovation Centers** - Center-based research facilities that streamline technology transfer, development time and funding opportunity.

  "As the president of the University of Massachusetts, the leading public academic research institution in the Commonwealth, I applaud Governor Patrick for making such a strong commitment to the life sciences, particularly stem cell research and RNAi-related research and development," said University of Massachusetts President Jack M. Wilson. "The announcement today is an important step in developing a world-class life sciences strategy for the Commonwealth that will foster scientific innovation, including unlocking the mysteries of debilitating diseases, and spur economic growth. The University of Massachusetts is proud to be able to play an important role in this strategy and I truly believe this proposal is far-reaching, comprehensive and of sufficient scope and scale to enable Massachusetts to continue and expand its national and global leadership in biotechnology and the life sciences."

  "It is clear to me that scientific innovation and cutting-edge research help set Massachusetts apart in the eyes of the life sciences and greater scientific community. Today's announcement of this significant, new state funding is an important signal that the opportunities to do cutting-edge research in this state are

expanding. I am proud that RNAi is already changing the scientific landscape, offering new tools in the effort to better human health; my colleagues at the UMass Medical School and I see great promise in our continued work with RNAi and RNAi Therapeutics. Support of this type from the government, academic institutions and society allows us to further advance science and to conduct important basic, clinical and translational research," Nobel Laureate Craig Mello, Ph.D. of the University of Massachusetts Medical School said.

"The future of life sciences is here in Massachusetts." Governor Patrick said. "We have the talent. We have the entrepreneurial spirit. Now let's seize the future."

05.08.07 - Governor Announces Life Sciences Initiative

Governor Deval L. Patrick

Life Sciences Initiative Announcement

May 8, 2007

As Delivered

Senate President Murray reiterated her long commitment to support stem cell research on the very day she assumed her new role as President of the Senate. And under Speaker DiMasi's leadership Massachusetts passed one of the most important pieces of Life Sciences legislation in the nation just two years ago. Today we will build upon that foundation.

I'm delighted also to be joined by my friends and partners in today's initiative, Dr Peter Slavin, CEO of Massachusetts General Hospital, Jack Wilson, president of the University of Massachusetts, Josh Boger, CEO of Vertex in Cambridge and chairman elect of BIO, and Jonathan Kraft of the Kraft group.

These gentleman represent others among the teaching hospitals and research universities and biotech companies and business community generally, whose willingness to care about and in their own ways invest in science and healing has been key in our success to date and will be key to our leadership tomorrow. And I also want to welcome former senate president Robert Travaglini. Where are you Trav?

His vision helped to position this commonwealth to assume global leadership in the life sciences, and that is a profound legacy to have left this generation and the next.

This is an important time for the life sciences all over the world. Its ideas and innovations can change lives, and can generate billions of dollars in new products, good jobs at good wages, and robust sustainable economic growth.

This industry capitalizes on the best that Massachusetts has to offer, and serves the best of what Massachusetts is about. Within this small state we have a extraordinary confluence of research universities, teaching hospitals, brain power, venture capital, and a long tradition of entrepreneurialism that has helped defined this economy as being fueled by innovation. We are quite simply the largest life sciences super-cluster on the planet, and that is a thing to be very proud of.

And that concentration of expertise and talent annually brings home a disproportionate share, over $2 billion dollars a year of funding from the national institute of health. That is why we have made your work

central to our economic vision for this commonwealth. That confluence of strength is the foundation of our economy for tomorrow. One out of every seven jobs in the Massachusetts economy is in the life sciences cluster. Companies were started in Massachusetts by graduates of our universities, researchers in our research hospitals and academic medical centers go on to create breakthrough cures, but thousands of jobs. Storied companies like Genzyme, Biogen, Vertex and now, Bristol Myers Squibb, start here or move here because of the unique combinations of strengths here in this Commonwealth.

Dr. Craig Mello who has joined us here I am very proud to have by my side and is one excellent example of the work and the strength of the talent here in Massachusetts. He and his team at UMASS Medical School in Worcester just brought home a Nobel prize for their work on RNAi, a gene silencing technique that holds the promise against diabetes cancer and HIV AIDS, we are very proud of you doctor, and your team and of your work.

But the point is also this, Dr. Mello is a part of a community of tens of thousands of people working to advance the life sciences industry and the future of healing and that is a point worth emphasizing. For us, the success of the biotech industry is more than a commercial matter. Each family can speak about a mother or father who suffered from Lupus or Cancer or some other disease. All of us have known relatives and friends who live with debilitating illnesses like Alzheimer's and diabetes. Every day we meet people with spinal injuries or HIV/AIDS whose families are looking for a reason to hope. You cannot be in the company of someone you love, powerless to help them, without appreciating the vital importance of stem cell research and other biomedical breakthroughs. In many ways, the health of this industry and the health of our society are closely linked. That is why we will not rest on our laurels. Right now our competitor states and foreign nations are investing billions of dollars to attract researchers, institutions and industries. At the same time, federal funding through the National Institutes of Health, of which Massachusetts has received a disproportionate share, is flat and likely to diminish in the short term. Politics, especially around stem cell research, impairs the innovation and calculated risk-taking that make breakthroughs possible. It is essential now that the Commonwealth step up to maintain and extend our global leadership in the life sciences. That is why I am proud to announce today the Massachusetts Life Science Initiative, a 10 year - $1billion dollar investment that will create new partnerships between state government, industry, academic medical centers and public and private higher education, and accelerate our statewide life sciences growth into high gear. We want Massachusetts to provide the global platform for bringing your innovations from the drawing board to the market, from inspiration to commercialization, and from ideas to cures. We know that begins with new ideas and innovation. Our rate of innovation in recent years has been triple that of the national average and I have no intention of letting it slip. We will close the funding gaps left by depleted NIH support with grants to sustain existing research and support new explorations. This funding for promising research in areas such as stem cells and on RNAi will allow us to build on our existing strengths and bypass the impact of national politics. To increase our intellectual capital, we will offer Massachusetts Life Science Fellowship Grants to young, emerging talent. We

recognize the value of attracting and retaining the best and brightest minds to our life sciences sector, and want to help them and you build careers here in Massachusetts. It is these young talented men and women who go on to start the next Genzyme and the next Biogen and the next vertex, and create thousands of new jobs in our communities. Our next step is the creation of an Innovation Infrastructure, one that provides the necessary support for life sciences research and development. Playing to our world leadership in stem cell research, we will create the Massachusetts Stem Cell Bank. This is unique endeavor, to be hosted at the University of Massachusetts, will be the world's largest catalog of stem cell lines widely available to researchers, and cut through the administrative tasks associated with storing, handling, and shipping stem cell lines. Beth Israel Deaconess, Brigham & Women's, Children's Hospital, Harvard, MGH, MIT, Partners HealthCare and UMass have already agreed to donate their stem cell lines to the Stem Cell Bank - keeping with and emphasizing the spirit of collaboration that has characterized our work here in Massachusetts and will be our secret weapon going forward. Researchers all over the world will have access stem cell lines that are truly made in Massachusetts. Together we are dedicated to making Massachusetts the foremost capitol of stem cell research on the planet.

In that same spirit, the state will invest in Innovation Centers to provide industry and the academic community access to cutting-edge facilities and technology. By creating central locations for resources and research, we can enhance technology transfer, cut development time, and improve our workforce deployment. These centers will serve as regional economic hubs throughout the entire Commonwealth, spawning new companies and new jobs in the cities and towns around them.

We will also partner with the private sector to purchase equipment and instruments for those innovation centers and for private facilities, right now, equipment worth millions of dollars sits idle in our own labs in Massachusetts because the federal government has prohibited its use on stem cell research. This must end, and it will end here in Massachusetts.

Life sciences in this commonwealth will be defined by innovation and cures, not ideology and short term political gain. Finally, when an idea is ready to become reality, we will make targeted investments to guide it to the marketplace. I know that all too often, breakthroughs fall into the so-called "valley of death," the investment gap between early stages of academic research and industry development. We will provide grants to translate Massachusetts discoveries into real health applications, support partnerships to move new ideas towards market supported development, and fund efforts to create new tools like stem cell lines to be made available at low cost.

We will also develop support programs for improved outreach, grant matching, and loans for life science projects qualifying for federal SBIR/STTR programs. Today, Massachusetts companies lead the nation in per capita awards under these programs. We will build on that existing creativity and entrepreneurship. Every new direct job created in the life sciences brings with it two additional jobs in support services for

suppliers, vendors, and construction and we want to pay attention to that fact.

In addition, we will develop a tax incentive program for life science companies that directly rewards job creation in Massachusetts. My administration will compete for every single job available, every single one. Using our sales team, we will aggressively seek to recruit emerging ones.

And that job creation strategy is not complete without extensive workforce training. We will focus on training that meets the skills employers are asking for. I want to make sure that the Commonwealth partners with you, your employees and with higher education to make sure that we close the skills gap and spread opportunity to all regions of this great state.

This is the vision we have for the life sciences in Massachusetts. I thank all of you for coming here at a time of great opportunity, but also of great urgency for your industry and for society. In past years the work of our academic community, and groups like the Massachusetts Life Science Collaborative have helped move this industry to a place of world leadership. But sustaining that leadership requires a bold new approach. State government now has the opportunity to be an active partner in meeting that challenge. In Massachusetts, we intend to seize it.

I look forward to working with all of you.

ON HEELS OF LIFE SCIENCES INITIATIVE, GOVERNOR PATRICK ANNOUNCES ORGANOGENESIS TO EXPAND IN MASSACHUSETTS

World's first profitable regenerative medicine company to grow in Massachusetts due to state's newly unveiled life science initiative

CANTON - Thursday, May 31, 2007 - Governor Deval Patrick announced today, with the support of Senate President Therese Murray and alongside House Speaker Salvatore F. DiMasi, Organogenesis' CEO Geoff MacKay and dozens of Organogenesis employees that the Massachusetts-based company, which was once planning to expand its operations outside of the state, has decided instead to stay and grow in Massachusetts. Organogenesis, the world's first profitable regenerative medicine company, made the commitment to stay in the Commonwealth as a result of Governor Patrick's $1 billion life science initiative, which was announced at this year's international BIO 2007 convention in Boston.
"I am pleased that Organogenesis has decided to stay and expand upon its success here in Massachusetts, and proud of our team for working so hard and so well to make this partnership work," said Governor Patrick.

"Regenerative medicine, which was both invented and pioneered in Massachusetts, is the most exciting and prominent frontier in healthcare. The success of this new field is directly dependent on positive governmental policies, and Governor Patrick has taken the necessary steps in this direction with an unprecedented commitment to both industry and academic institutions," said Organogenesis CEO Geoff MacKay.

"This is exactly the kind of positive and immediate response that we had hoped to see after we announced the Commonwealth's commitment to help expand this segment of our innovative economy," said Murray. "I am thrilled that Organogenesis will continue to headquarter here and provide new jobs."

"The decision by Organogenesis to keep their home in Massachusetts is yet another sign of good things to come for our thriving life science industry," said DiMasi. "Today's announcement shows the climate for doing business in Massachusetts is improving and that we must continue to do all we can to help companies keep jobs here, expand here and move here."

Canton-based Organogenesis is the world's leading regenerative medicine company and delivers living cell therapy "on demand" to medical clinics. Regenerative medicine is the process of creating living, functional cells and tissues, to repair or replace organ function lost due to disease, damage or even the natural aging process. Organogenesis' signature product, Apligraf®, is the first bio-engineered cell therapy to have received FDA approval, and is used by doctors successfully in treating patients in the US and other markets across the world. Currently a patient is treated with an Apligraf® living cell therapy

every 10 minutes in the United States. This constitutes over two-thirds of all living cell therapies applied to patients worldwide.

Organogenesis had been planning to expand its operations outside of Massachusetts, seeking a business climate that would be more favorable toward regenerative medicine. As a direct result of Governor Patrick's Life Sciences Initiative, however, Organogenesis has decided to maintain its headquarters in Massachusetts. The company also will initiate an aggressive expansion of its global head office, research, development and manufacturing facilities within the state. Organogenesis will add 300 new highly skilled jobs, thereby doubling its existing employee base and expanding its facilities to 250,000 square feet.

The Governor's plan, unveiled on May 8 during a speech at the BIO 2007 convention, includes a 10-year, $1 billion investment package that will both enhance the Commonwealth's already nationally recognized assets in the fields of medicine and science, and fill gaps in federal funding to ensure the state's ability to support life science progress from the idea stage through the production and commercialization stages. Key to the Governor's Life Science Initiative is new legislation that will strengthen the Massachusetts Life Science Center and charge it with the execution of a life science mission focused on science and economic development, strategic investments at critical stages of the development cycle, and collaboration with the private sector to create innovation infrastructure critical to both researchers and companies.

"The reality is that the regenerative medicine field is highly competitive. Without government ensuring a positive business climate, the innovation, the jobs and ultimately life altering therapies like those involving stem cells, will move to other parts of the world," said MacKay. "The Governor's plan will solidify this state as the place where all this great science is translated into therapies benefiting patients."

The Massachusetts Office of Business Development worked closely with Organogenesis to create a $12.9 million incentive package that includes grants as well as support for when the company identifies its expansion site. In addition, the state has facilitated $5 million in low-interest loans for growth initiatives. The proposed Life Sciences Initiatives also levels the tax playing field for all regenerative medicine companies when compared to nearby states.

GOVERNOR PATRICK FILES PLAN TO MAKE MASSACHUSETTS A GLOBAL LEADER IN LIFE SCIENCES

Package includes capital and investment funds, tax incentives, expansion of Massachusetts Life Sciences Center

BOSTON - Thursday, July 19, 2007 - Joined by legislative leaders at a special Joint Session of the Legislature, Governor Deval Patrick today filed legislation providing for a major investment in and expansion of the Life Sciences industry in Massachusetts. The legislation is a comprehensive plan to make Massachusetts the global leader in the life sciences industry.

"We want Massachusetts to provide the global platform for bringing innovation from the drawing board to the market, from inspiration to commercialization, and from ideas to cure," Governor Patrick said. "We look forward to working with the Legislature on speedy passage and to bringing to life our vision for expanding the Commonwealth's global leadership in the life sciences."

The plan is a significant milestone in moving forward on the administration's 10-year, $1 billion investment package that will both enhance the Commonwealth's already nationally recognized assets in the fields of medicine and science, and fill gaps in federal funding to strengthen the state's capacity to support life science progress from the idea stage through the production and commercialization stages.

"I have always been in support of a Life Sciences initiative that would keep Massachusetts competitive with the rest of the country, and I look forward to examining the details of the Administration's proposal as we move forward," said Senate President Therese Murray.

"This is an ambitious plan put forward by Governor Patrick and we certainly embrace the concepts," said House Speaker Salvatore F. DiMasi. "The Commonwealth must continue to be a partner with the life sciences industry and make sure we provide whatever assistance we can to ensure the industry's future growth here. As with any proposal of this magnitude, we must always keep costs and affordability in mind."

The legislation, which was outlined during a speech at the BIO 2007 convention in May, includes $500 million in capital funds that will allow for the creation and construction of the Massachusetts Stem Cell Bank and an RNAi center that will highlight and build on the work of Nobel Laureate Craig Mello, Ph.D of the University of Massachusetts Medical School. The Bank will be the world's largest repository of new stem cell lines available to all sectors, both public and private, of the life sciences sector.

The bill also includes $15 million for the Massachusetts Life Sciences Investment Fund to finance basic research, small business innovation grants, life science fellowships and workforce training. The fund will be overseen by a strengthened Life Sciences Center Board, which, under the legislation, would be expanded to include two new members and would be chaired by the Secretary of Housing and Economic

Development. Under Governor Patrick's legislation, the center would have the authority to build capital projects, award grants, and expend funds consistent with the plan outlined by the Governor. The board will be required to establish a formal process to determine how capital projects are spent.

The legislation also establishes a 10-person Advisory Committee to the Life Sciences Center Board from members of the Massachusetts Life Sciences Collaborative.

To encourage job creation and growth in the field, the legislation also creates tax incentives for certified life science sector projects. Among the credits are a redeemable 10 percent 10-year carry-forward Life Sciences Investment Incentive Tax Credit and a provision that allows projects to receive an additional 2 percent tax credit if they locate in Economic Opportunity Areas. The legislation includes a clawback provision to ensure that companies meet their job creation goals. The bill also creates a sales tax pass through for bricks and mortar purchases associated with the development of life sciences projects and creates a 100 percent refundable FDA User Fee Credit.

The bill imposes a yearly project evaluation and provides for decertification in the event that a company fails to achieve the projected return on investment mandated as part of the project certification.

"This is the future of life sciences here in Massachusetts," said Governor Patrick. "We have the talent, we have the entrepreneurial spirit. Now let's execute the vision."

10.30.07 - Governor Gives Testimony on Behalf of Life Sciences Bill

Governor Deval L. Patrick

Testimony Before Joint Committee on Economic Development and Emerging Technologies on Behalf of Life Sciences Legislation

October 30, 2007

As Delivered

Chairman Bosley, Chairman Hart, Members of the Committee.

Thank you for your attention to this bill and for today's public hearing.

I am here today to testify in strong support of H4234, An Act Providing for the Investment in and Expansion of the Life Sciences Industry in the Commonwealth. As you know, this bill is a collaborative effort among leaders from all aspects of the Massachusetts Life Sciences sector (many of whom are here today), working together with Senate President, the Speaker of the House and members of my administration. I want to thank everyone for that collaboration and acknowledge the unusually broad base of support for the measures proposed.

As you know, Massachusetts is world-renowned as a Life Sciences Supercluster. We have an unrivaled concentration of biopharmaceutical, biotechnology, and medical device expertise, of academic medical centers, hospitals, research institutions, and patient advocate group; and of venture capital. Our Life Sciences sector has led the world in creating life-saving medicines and therapies and innovative stem cell research that will save lives, ease suffering and reduce long-term health care costs. Our preeminence in early-stage research attracts world class talent.

The sector is an important feature of our economy as well. Growth has outpaced other industries and has provided a broad range of job opportunities at all income and skill levels. According to a study conducted by the Milken Institute, every direct job in life sciences (scientists, technicians, lab assistants, bio-manufacturing engineers) creates 3.6 indirect jobs (suppliers, vendors, support services, utilities, construction, real estate, transportation, among others). The Life Sciences is a powerful economic engine for this Commonwealth.

But regional, national and global competition is fierce. At the BIO 2007 convention in Boston, dozens of competitor states and nations aggressively targeted our talent and companies. As we gather here today, our competitors are actively luring our state's best and brightest researchers, doctors and entrepreneurs.

California and New Jersey are investing hundreds of millions in the Life Sciences, North Carolina is providing lucrative tax benefits to lure our companies, and Florida has invested hundreds of millions so that Life Sciences can expand in their state. China and Ireland - two nations with a proven record of well-coordinated competitive strategies -- have joined the global sweepstakes for talent as well. For Massachusetts -- a state dependent on intellectual capital and research -- the threat is real and the stakes are high.

In addition to the direct threats from competitor states and nations, we also face the threat of flat NIH research funding - a critical source of research funding that has declined, especially for stem cell research.

In addition, the Bush Administration's prohibition on the use of federal funds for embryonic stem cell research combined with the Romney Administration's restrictions on stem cell research have made us vulnerable to efforts by other states and foreign countries to lure Massachusetts researchers and companies with offers of new funds, new facilities, and robust research incentives free of political restrictions.

All of these are ways in which the world is changing. If we do nothing, we lose.

Recognizing these challenges, and unwilling to accept defeat, the Senate President, the Speaker and I announced the bill before you at the BIO 2007 International Convention in May. You will hear from the experts who follow me details about each element of the bill. But in brief summary, the bill contains measure to: 1) develop stronger public/private partnerships around funding and investment strategies to create new jobs, spur innovative research, strengthen investments in higher education and workforce training, 2) make targeted investments at stages of the development and commercialization cycle, particularly those where venture capital has not been available, that result in robust job creation, and 3) create Regional Innovation Centers that attract researchers and companies and grow cures and jobs.

Today, you will hear from many industry leaders, researchers, and medical experts, as well as those affected by curable diseases, about the many benefits we will derive from the implementation of the Massachusetts Life Sciences Initiative. These benefits include the creation of life saving medical therapies and cures, attraction and retention of world-class researchers and life science companies, as well as new employment opportunities for people at all wage levels.

In terms of job creation, estimates by nationally known and respected economic forecasting firms attest to the potential for up to 250,000 new direct and indirect jobs as a result of the programmatic elements of the plan.

As far as research talent is concerned, passage of the bill will help us attract and retain world-class talent,

such as Nobel Laureate Dr. Craig Mello, whose cutting edge research in RNAi is supported by our bill, or MacArthur prize winner Dr. Kevin Eggan, director of the Harvard Stem Cell Institute, whose stem cell work is also supported by and leveraged through this bill. Both are here today to offer testimony as well.

You fully appreciate that we cannot rest on our laurels and we have not done so. Just last week - and thanks in large part to your efforts - the Life Science Center approved a grant-making process that will make available $12 million toward stem cell research and other Life Science initiatives. In addition, it approved the first phase of the development of a stem cell bank and registry at the University of Massachusetts Medical School.

As you know, Bristol-Myers Squibb has chosen to open a major operation at Devens, and Genzyme has many facilities in Massachusetts, including a manufacturing facility in Cambridge and operations in Westborough. Avant Immunotherapeutics has located a facility in Fall River on the South Coast. Other companies have agreed to stay here because of our demonstrated commitment to cultivate and support this industry, and to join the global competition for investment and talent.

But not everyone is convinced that we mean it. One large company - Project Magellan - was prepared to invest hundreds of millions of dollars in over 700,000 square feet of lab and office space creating over 400 new, well-paying jobs. But our inaction on this proposal over many months caused them to abandon those plans here and focus instead on other states.

For the sake of our economy, for the sake of healing, for the sake of our future - and because you hate to lose as much as I do - I urge the Committee to take swift and favorable action on this bill. Thank you for your consideration.

COMMONWEALTH'S TRADE MISSION TRIP TO CHINA TO FOCUS ON ECONOMIC DEVELOPMENT IN LIFE SCIENCES AND CLEAN ENERGY

COMMONWEALTH'S TRADE MISSION TRIP TO CHINA TO FOCUS ON ECONOMIC DEVELOPMENT IN LIFE SCIENCES AND CLEAN ENERGY

BOSTON-Wednesday, November 28, 2007-The Patrick Administration today announced details for the Commonwealth's trade mission to China. Governor Deval Patrick will travel with a team of business executives, academic leaders and senior government officials next week to continue his work building trust and credibility in the growing relationship between Massachusetts and China.

The visit will include a number of meetings with Chinese government officials and business leaders to strengthen innovation and collaboration around clean energy, life sciences, education and transportation. The delegation will visit Beijing and Shanghai for the 7-day trade mission, departing Boston on Friday, Nov. 30 and arriving in China on Dec. 1, and departing China on Dec. 7 to Boston.

"Massachusetts is already a national leader in alternative energy technology and the life sciences, and in providing high-quality education at every level. But we can't compete by looking inward. To move Massachusetts forward, we have to look outward to new markets," said Governor Patrick.

This visit will be the first in a series of steps Governor Patrick takes to strengthen the Massachusetts-China relationship. The agenda will include meetings in Beijing and Shanghai with representatives from Chinese companies and universities focused on China's academic, research and development and commercial achievements.

Members of the delegation include: Secretary Dan O'Connell, Housing and Economic Development; Secretary Bernard Cohen, Transportation; Greg Watson, Senior Advisor for Clean Energy Technology; Thomas J. Kinton, Jr., CEO, Massachusetts Port Authority; Mitchell Adams, Executive Director, Massachusetts Technology Collaborative; Jack Wilson, President, University of Massachusetts; Dr. Craig Mello, Professor, University of Massachusetts Medical School, 2006 Nobel Laureate; Dr. Victor Zue, Co-Director, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology; Anthony Saich, Faculty Chair of Asia Programs, Harvard University; Josh Boger, Chair, Biotechnology Industry Organization and CEO, Vertex Pharmaceuticals; and Thomas J. Sommer, President, Massachusetts Medical Device Industry Council. Representatives from Massachusetts life science and clean energy companies - many with a presence in China - will also participate in portions of the trip (list attached).

As key partners in the Commonwealth's mission agenda and the Administration's overall economic development agenda, Massport and the Massachusetts Technology Collaborative will fund the trip. The estimated cost of the trip is roughly $200,000.

"China is the largest market in the world and the country is experiencing unprecedented economic growth and dramatic changes," said Dan O'Connell, Secretary of Housing and Economic Development. "Their spirit of entrepreneurship and innovation combined with continuously developing partnerships with the Commonwealth's many academic institutions and companies lay the foundation for long term business collaboration that will have a positive and lasting effect on Massachusetts."

China is a growing source of economic activity, and the Chinese government has called for prioritization of science and technology. Massachusetts generated $1.3 billion in manufactured goods exports to China in 2006. China wants to shift its image as a country focused on low-wage manufacturing to one of sophisticated research, development and innovation. This dynamic will shape China's relationship to Massachusetts on this trade mission and in its continued relationship with the Commonwealth.

Life Sciences in China

China's life sciences sector has many possibilities for our companies and institutions. Already, a broad range of the Commonwealth's medical centers, research institutes and life sciences companies are developing a presence in China. By traveling to China and expressing a sincere interest in cross-national development, the Commonwealth can deepen its involvement there.

China is a key location for market growth in the life sciences sector, for both consumer market expansion and as a location for research and development. The landscape for life sciences products has changed rapidly in the last several years, with the Chinese government's involvement increasing in effectiveness and sophistication.

"I look forward to working with the Governor and other business and academic leaders as we embark on this important mission. Massachusetts companies have an opportunity ahead to broaden their business activities in China and to bring their innovations into a new market," said Joshua Boger, Ph.D., President and CEO of Vertex Pharmaceuticals of Cambridge, and Chairman of the Biotechnology Industry Organization. "In the coming years, China's presence in the global life sciences community is expected to grow significantly as it both strengthens and expands its own capabilities and also works to establish relationships with U.S.-based firms."

Current economic growth projections for China generally far exceed most other industrialized countries. This market expansion is both general and specific to life sciences industries (all dollar figures in USD):

- 44% GDP Growth projection between 2004 and 2010.
- Total health care growth projection to move from $34 billion in total health care spending in 2000 to $150 billion in 2010, a compound annual growth rate (CAGR) of 16%.
- Projections in the pharmaceutical industry show growth from $18 billion to $70 billion in 2010, accounting for a 17% CAGR.

- In the medical devices market, a growth of $3.2 billion to $14.8 billion is projected between 2000 and 2010, a CAGR of 19%.

- Projections also estimate that China will be the 5th largest pharmaceutical market by 2010 and the 3rd largest market for medical devices by 2010.

Clean Energy in China

China's clean energy development has grown rapidly in recent years - a trend that is expected to continue as the country strives to generate 20 percent of its energy from renewable sources by 2020. There will be a unique window of opportunity in the coming years for clean energy technologies developed in Massachusetts to be in China.

Massachusetts' highly skilled workforce, leading universities, venture capital community and entrepreneurial environment make the Commonwealth an attractive site for Chinese investors to look for opportunities around clean energy.

"The Governor's trade mission will highlight how Massachusetts' innovative clean energy companies can help China meet two of its greatest challenges - cleaner energy sources and cleaner, more efficient industrial production," said Annie Johnson, Executive Director of the New England Clean Energy Council. "We will build partnerships that will assist these companies to gain a foothold and expand in China's enormous, fast growing energy market. Access to such vast, new markets is vital - both for these companies to attain their growth potential and to enhance Massachusetts' position as a global leader in energy innovation."

Massachusetts' clean energy cluster of more than 550 companies represents a healthy, growing ecosystem of small and medium-sized companies that present myriad opportunities for joint ventures, partnerships, technology licenses and co-investment to exploit market opportunities both in China and the US.

Massachusetts China Partnership Official Delegation

Members of the Official Government Delegation:

- Governor Deval L. Patrick, Commonwealth of Massachusetts
- Secretary Daniel O'Connell, Housing and Economic Development
- Secretary Bernard Cohen, Transportation and Public Works
- Gregory Clarke Watson, Senior Advisor for Clean Energy Technology
- Tom Kinton, Jr., Chief Executive Officer, Massachusetts Port Authority
- Mitch Adams, Executive Director, Massachusetts Technology Collaborative
- Jack Wilson, President, University of Massachusetts

- Dr. Craig Mello, Professor, University of Massachusetts Medical School, 2006 Nobel Laureate

Members of the Official Non Government Delegation:

- Dr. Victor Zue, Co-Director, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology
- Anthony Saich, Faculty Chair of Asia Programs, Harvard University
- Joshua Boger, Chair, Biotechnology Industry Organization and Chief Executive Officer, Vertex Pharmaceuticals
- Tom Sommer, President, Massachusetts Medical Device Industry Council

Massachusetts China Partnership COMPANY Representatives

Representatives from Massachusetts companies who do business in China will participate in portions of the trade mission. Some of these representatives are already based in China.

Massachusetts Life Science Industry Representatives:

- Gunther Winkler, Vice President of Strategic Initiatives, Biogen Idec
- Marc D. Beer, President and Chief Executive Officer, ViaCell, Inc.
- Thomas Taylor, Vice President Global Marketing & Business Development, Healthcare, Nypro
- Jerry Chung, Vice President, Nypro Beijing
- Geoffrey MacKay, President and Chief Executive Officer, Organogenesis
- James Qun Xue, Director of Genzyme China
- Michael Glynn, Senior Vice President, Genzyme Asia Pacifica, Canada and South Africa
- Jeffrey J. Elton, Senior Vice President of Strategy and Global Chief Operating Officer, Novartis Institutes for BioMedical Research
- En Li, Vice President and Head of Research, Novartis Institutes for BioMedical Research Shanghai

Massachusetts Clean Energy Industry Representatives:

- Bruce N. Anderson, Chief Executive Officer, Wilson Turbopower
- Mitchell Tyson, Chief Executive Officer, Advanced Electron Beams

- Leo Casey, Vice President and Chief Technology Officer, Satcon Corporation
- Elbert Leo McDaniel III, Vice President of Sales and Marketing, Satcon Power Systems
- Dennis John Duffy, Vice President of Government and Regulatory Affairs, Energy Management Incorporated / Cape Wind
- Hal M. Thrasher, Director of New Business Ventures, Rohm & Haas Electronic Materials
- Robert J. Ferguson, Vice President, Business Unit Director, Circuit Board Technologies, Rohm & Haas Electronic Materials

GOVERNOR PATRICK AND EMD SERONO ANNOUNCE $50 MILLION BILLERICA EXPANSION

New Center of Excellence in Life Sciences Research Will Create 100 New Jobs

BOSTON - Wednesday, April 16, 2008 - Governor Deval Patrick today announced life sciences company EMD Serono, Inc., and Merck Serono - both affiliates of Merck KGaA of Germany - will invest $50 million to expand its Billerica facility, creating at least 100 new jobs.

The announcement comes a week after the Governor delivered a major speech outlining his economic plan to create a culture of opportunity focused on restrained spending and long- and short-term investments, while preparing for the impacts of a softening national economy.

"I am delighted that EMD Serono has decided to expand in Billerica. The region's tremendous talent and resources will now be at Serono's disposal in their work to improve the quality of life for people living with serious diseases," said Governor Patrick. "Today's announcement exemplifies the value of the Life Sciences Initiative in encouraging economic development and job growth throughout Massachusetts."

"This announcement reflects Merck KGaA's strong commitment to expand EMD Serono and anchor our US operations in Massachusetts," said Elmar Schnee, President of Merck Serono. "We recognize the significant value of augmenting our research capabilities in Boston - a region with tremendous life-sciences influence not only across the US, but globally as well."

EMD Serono is a leader in the United States biopharmaceutical arena, which focuses on fertility treatments and neurodegenerative diseases and integrates cutting-edge science with patient support systems. The $50 million investment will support the construction of a Center of Excellence in discovery, which will accommodate approximately 200 scientists specializing in cancer and fertility research, and approximately 50 technical operations employee specializing in process development and protein production.

The new site's proximity to the company's Billerica protein production facility, which manufactures products for early stage clinical testing, will allow for collaborative interactions and support the rapid transition from research to manufacturing.

Construction on the new Billerica site will take approximately two years, beginning early next year. The total square footage of the Billerica Campus will be approximately 210,000 square feet, including more than 160,000 square feet of lab space. The expansion in Billerica will also create additional commercial space opportunities in Rockland, as the company strengthens its leadership position in its current therapeutic areas of neurodegenerative diseases and endocrinology, and builds the necessary infrastructure to support an increase in U.S. clinical trials and commercial growth.

"I would like to thank Governor Patrick for his unwavering commitment to strengthening Massachusetts' reputation as a global leader in science and medicine," said Fereydoun Firouz, CEO and President of EMD Serono, Inc. "The partnership and commitment of Governor Patrick, Senate President Murray, and Speaker of the House DiMasi to make the Life Sciences Initiative a reality will help ensure that Massachusetts' existing life sciences companies stay and thrive in the state, and that new life sciences companies come to Massachusetts to further enhance our position at the forefront of healthcare."

Today's announcement comes on the heels of the release of encouraging information about the professional, scientific and business services sectors as a whole. The Executive Office of Labor and Workforce Development reported earlier today that monthly survey estimates show that 2,900 new jobs were added in Massachusetts in March, the largest monthly increase since November of last year and the sixth consecutive monthly increase in jobs. Of the 2,900 jobs, 1,000 came from the professional, scientific and business services.

04.16.08 - Life Sciences Expansion in Billerica

Governor Deval L. Patrick

EMD Serono Expansion Remarks

April 16, 2008

As Delivered

From 25 years here in the Commonwealth we know just how exciting the efforts and the promise of EMD Serono will be both in terms of advancing healing and growing our economy. With this further investment of $50 million you add another 100 jobs in Massachusetts and another 100 opportunities for Massachusetts people to apply their talent and build better futures for themselves, their families, and for all of us.

So on behalf of my colleagues in government and all of the people in Massachusetts thank you for choosing the Commonwealth and maybe you do not hear that often enough. Let me tell you, thank you for choosing us.

There was a great team who were a part of making this work for you and I want to acknowledge them and thank them because they do it over and over and over again for companies all across the commonwealth. We want you to know at EMD Serono and all of those in the industry that you are welcome here in Massachusetts.

I am proud to say that today's announcement is the third in two weeks about a life sciences company that has chosen to grow business and locate jobs here. It is happening all across the Commonwealth.

Indeed, we are not anymore 49th in the nation, Fereydoun, for job creation. We moved last year to 15th in the nation. This morning we published job numbers showing that in the face of weakening national economic statistics, Massachusetts added upwards of 3,000 new jobs in February and March alone. We are on the move.

Our Life Sciences Initiative, that $1 billion, 10 year investment to accelerate our world leadership in this sector as contributed to that good news which Fereydoun said. The world knows that as a Commonwealth we are serious about you, about this industry, about its possibilities for healing and for its opportunity for economic expansion.

The Life Sciences initiative has indeed passed out of both the House and the Senate. It is a better bill now that it was when it went in. It has been improved by the collaboration of the members of the house and the senate and the industry and EMD Serono has been a part of that and I want to thank you all.

Senator Marzilli, Rep Green, Rep Atkins, who is here, and all of the members who have contributed to making this bill as strong as it is. I look forward to signing it very soon indeed.

We will continue because this in an industry that has great promise for all of us on a host of levels. We want you to know whether you are here in the presence of those us making these announcements, or within our sounds of our voice and images in Rockland and elsewhere, that you are welcome here. We value you. We look forward to continuing this partnership and we wish you every success. Thank you for having us here.

Governor Patrick Signs Groundbreaking Life Sciences Legislation

Governor, Senate President, Speaker Head to BIO International Convention with Cutting-Edge Life Sciences Law in Hand

BOSTON- Monday June 16, 2008 - Governor Deval Patrick, joined by Senate President Therese Murray and Speaker of the House Salvatore F. DiMasi, signed pioneering legislation today at the Joslin Diabetes Center that will secure Massachusetts' position as a global leader in life sciences, unveiling for the first time the comprehensive, innovative Massachusetts Life Sciences Law.
"With this initiative we take our rightful place as a global leader in the life sciences," said Governor Patrick. "There is no place in the world with as great a concentration of life sciences talent, resources and vision as Massachusetts. With these resources - and the collaboration and support of the industry, academia, business and government - we are on our way to helping find new cures for diseases, creating new jobs, and positioning ourselves for long-term economic growth."

The 10-year $1 billion investment package is the result of a year-long collaboration between the Governor, the Legislature, academia, life sciences industry leaders and patient advocacy groups.

"Here in Massachusetts we have all the components to support a strong life sciences industry," President Murray said. "With our world-class medical centers and universities, and an educated workforce, the addition of this life sciences package makes Massachusetts the ideal choice for researchers and biotech companies to grow and conduct groundbreaking and potentially lifesaving work that will push treatment and medical discoveries to a whole new level."

"Today, we take a bold step to again solidify our position as the world leader in life sciences and biotechnology and our already-thriving life sciences cluster is now the envy of the world," said Speaker DiMasi. "But more importantly, we are together investing in the cures of tomorrow so we can eradicate diseases that ravage our nearest and dearest, from cancer to Alzheimer's. I am pleased with the great law we have today and the partnership with Governor Patrick, Senate President Murray and all the legislators that brought it to fruition."

The new law will enhance the state's already nationally recognized strengths in the fields of medicine and science and fill gaps in federal funding to ensure the state's ability to support life sciences innovations from idea to product. By bringing together businesses, research hospitals, and public and private colleges and universities, the law will lead to new jobs and the discovery of novel therapies that will change the way people live in the Commonwealth and throughout the world.

"We're honored to host Governor Patrick and other legislative leaders for the signing of the historic Life Sciences Bill," said Ranch C. Kimball, President and CEO of Joslin Diabetes Center. "As the world's largest diabetes research and clinical care organization, the global diabetes community counts on us for

breakthroughs. We support Massachusetts' commitment to life sciences leadership, which is so vital to our efforts to improve the lives of people with diabetes and provide the greatest hope for a cure."

Aimed at capturing the best life sciences talent worldwide, the package includes:

- **$500m in Capital Funding to be spent over a 10 year period;** $299.5m for targeted infrastructure projects and the balance - $200m in unrestricted funds for investment in public infrastructure projects, at the discretion of the MA Life Sciences Center (MLSC).
- **$25m each year for 10 years for the MA Life Sciences Investment Fund,** held at the MLSC, for loans, grants, fellowships, and investments to stimulate increased research and development in the life sciences sector.
- **$25m each year for 10 years in tax incentives to be awarded to certified life sciences projects.**

The law also:

- **Creates the MLSC Life Sciences Investment Program** to expand employment in the life sciences sector in MA and to promote health-related innovations by supporting research and development, manufacturing and commercialization in life sciences.
- **Creates 5 Regional Technology and Innovation Centers** tobe identified from among existing life science regional centers.
- **Adds an 18 member advisory board** to be appointed by the Governor, including 10 members of the Massachusetts Life Sciences Collaborative, 5 chancellors of the UMass system, and 3 patient advocates. The Secretary of Labor & Workforce Development and 5 directors of Regional Technology Innovation Centers shall all be non-voting members.
- **Creates four additional funds to be administered by the MLSC**:
  - Dr. Craig C. Mello Small Business Equity Investment Fund;
  - Judah Folkman Higher Education Grant Fund for grants to graduate school students;
  - MA Small Business Matching Grant Fund; and the
  - MA Life Sciences Education Fund for vocational and technical school equipment purchases.

"The Life Science Initiative creates a climate which will attract and retain successful biotech companies to commit expansion plans within Massachusetts," Geoff MacKay, President and CEO of Organogenesis. "Organogenesis is implementing a major expansion to 250,000 square feet and 600 high tech jobs, and the Governor's Life Science Initiative is the driving factor guiding our selection of Massachusetts over competing options. The Life Science Initiative has given Organogenesis Inc. the business confidence to grow in Massachusetts and expand our R&D labs, manufacturing facility and global head office."

"The Juvenile Diabetes Research Foundation is very pleased that the Life Science Initiative has been passed," said Heidi Daniels, Executive Director of the Juvenile Diabetes Research Fund-New England. "This significant investment in research will help Massachusetts continue to be a leader in the research world, help Massachusetts retain the brightest minds in science to focus on solving problems, and most importantly, help all its residents move closer to cures for chronic diseases, such as type 1 diabetes, that affect so many of our loved ones."

The new law also strengthens the Massachusetts Life Sciences Center, which has been charged with executing much of the life sciences initiative by focusing its attention on science and economic development, strategic investments, and collaboration with the private sector to create innovation infrastructure critical to both researchers and companies. The Center, which has just named its new CEO and President, Susan Windham-Bannister, Ph.D., willuse its scientific and financial expertise to allocate the $25 million per year dedicated to the MLSC Fund. It will also be empowered to direct approximately $200 million of the $500 million in capital funds.

"This is an exciting moment for our life sciences supercluster, and I am committed to doing all I can to advance the Governor's vision for the Mass Life Sciences Center," said Dr. Windham-Bannister. "This law will open the door for tremendous scientific, research, academic, and business opportunities here in the Commonwealth, and I am thrilled to be able to lead the Center as we begin this new chapter.

"This bill will do a great deal to increase the infrastructure for life sciences research and development in the Commonwealth," said Harvey F. Lodish, a member of the Whitehead Institute for Biomedical Research and Chair of the Massachusetts Life Sciences Center Scientific Advisory Board. "Our Scientific Advisory Board will do its best to insure that these moneys are spent on the projects, people, and facilities that have the greatest promise for developing new treatments and medical devices to address the conditions and diseases that affect us all."

"This ambitious legislation will accelerate innovation in the Commonwealth's life sciences cluster and allow Massachusetts researchers and companies to solidify our state's national and international leadership in the growing biomedical and life sciences industry. This bill is a game-changer for the Commonwealth--it will create new breakthroughs, new jobs and new companies today and will help the University of Massachusetts and other academic institutions break new ground and train the life sciences workforce of tomorrow," said Jack M. Wilson, President of the University of Massachusetts.

"The University of Massachusetts is excited to play such an important role in implementing this landmark life sciences legislation. The Governor, the House and the Senate have placed a great deal of trust in our research prowess and technology transfer abilities and every UMass campus will now be positioned to deliver," said Robert J. Manning, Chairman of the UMass Board of Trustees.

The signing comes just before Governor Patrick, key legislators and industry leaders head to San Diego for an international biotechnology convention. It was during the same convention held in Boston in May 2007 that Governor Patrick first took the stage with Senate President Murray and Speaker DiMasi to announce the $1 billion Life Sciences Initiative.

06.16.08 - Life Science Bill Signing

Governor Patrick:

I can tell you that the Lieutenant Governor and I are very, very proud to be with all of you today to sign the Life Sciences Initiative into law. About a year ago, many of us here stood together to announce this 10-year, one billion dollar strategy to strengthen our position and extend our leadership in the world in this field, and here we are to make that commitment real.

Tomorrow, when the Life Sciences community gathers from around the world at the BIO Conference in California, Massachusetts will have a new and broader set of tools to help us compete. Massachusetts will have the largest registry of stem cell lines in the world, housed at the University of Massachusetts Medical Center in Worcester. Massachusetts will have a half-billion dollars in capital funding to offer entrepreneurs, for infrastructure investment and economic growth. Massachusetts will have 250 million dollars to offer researchers for fellowships, matching grants and loans to attract and retain rising stars in this field. Massachusetts will have incentives to offer companies to locate and expand here and five regional tech/innovation centers to extend these opportunities to every region of the Commonwealth.

And Massachusetts will have Dr. Harvey Lodish and his advisory board of distinguished scientists, educational and business leaders and the leadership of Dr. Susan Windham-Bannister to assure the Life Sciences funding decisions are based on sound science and not politics.

The people of Massachusetts have something too. They have the thousands of good jobs and good wages, from researchers to lab technicians to manufacturing workers, and the training opportunities to prepare for that world.

So, I want to thank the entire legislature for the overwhelming support you've given to this initiative. I'm grateful indeed. And I want to say a special thank you to Speaker DiMasi, my pal, to the Senate President who can-could not be here but is very much here in spirit today and to her predecessor Bob Travaligni, who has been a partner in this from the beginning and has stayed focused even after leaving office-I'm very glad to see you here today Bob. I want to acknowledge and thank Chairman Jack Hart, Chairman Dan Bosley, Chairman Mike Rodrigues, the House and Senate conferees, and people who don't often get thanked but their respective staffs, who we worked nearly to death to get this right. I appreciate very much all of you.

And I want to thank the members of the administration who toiled so hard and so well and with such dedication to get these results, including Secretary Dan O'Connell, Stan McGee, Maureen Flynn of his staff and David Simas, and most especially David Morales from my staff who's here, thank you.

[applause] Very, very proud of all of you.

Sometimes in this, in this business of ours people keep score in purely political terms. And there is no denying of the fact that signing this bill today makes clear, a clear and important political point that the legislature and the administration can work together on big and complex initiatives when we set our mind to it, but there are other measures, beyond political ones, arguably more lasting ones.

Over a century ago when Dr. Elliott P. Joslin founded this Center where we gather today, the life expectancy of patients diagnosed with diabetes was two years. Today, in thanks to large part to the work done here, people with type 1 and type 2 diabetes can live rich, full and long lives. Tomorrow there may be a cure for diabetes and that cure may well come right here in Massachusetts. That is an enormously important thing. [applause]

The point is that this initiative is about so much more than putting researchers and resources together; it's about Massachusetts advancing human healing. Yes, there will be many thousands of jobs for scientists and manufacturing workers, for researchers to lab technicians alike and we look forward to those. But there will also be the chance to apply the creativity and ingenuity of the people of Massachusetts, to relieving suf-suffering and giving comfort and hope to millions of people around the world.

So I am proud and excited to sign this legislation, and of the means it offers through this bill, in this field today. But I am even more excited about what miracles may come tomorrow. I am delighted you could all be a part of this today. Thank you very much.

Governor Patrick Receives "Governor of the Year" Award from International Biotechnology Industry Organization

SAN DIEGO, CALIF. -Tuesday, June 17, 2008 - One day after signing his 10-year, $1 billion Life Sciences Initiative, Governor Deval Patrick today received the Biotechnology Industry Organization's (BIO) Governor of the Year Award in recognition of his leadership and support of the biosciences industry.

"I am honored to receive this award from BIO, and I share it proudly with the many people who helped us move the Life Sciences Initiative forward," said Governor Patrick. "Since our announcement of the Massachusetts Life Sciences Initiative at BIO 2007, it has been one of the most important priorities of my administration. It is wonderful to know that the international community recognizes that we in Massachusetts are doing things differently, doing them well, and making a real difference in the life sciences cluster and in real people's lives."

The award was presented to the Governor by Joshua Boger, PhD., Chairman of BIO's Board of Directors and President & CEO of Cambridge-based Vertex Pharmaceuticals Incorporated during a keynote luncheon before 3,000 people at the BIO 2008 International Convention.

"The Governor has demonstrated unflinching dedication to our state's tradition as a welcoming home to research institutions and companies dedicated to combating the diseases that plague mankind," said Boger. "The signing of the Massachusetts Life Sciences Initiative is yet another example of the comprehensive approach Governor Patrick and his staff take to ensure the long-term success of life sciences in Massachusetts."

"We are pleased to see that Governor Patrick has been awarded with this well-deserved recognition, and to watch his efforts coming to fruition," said Geoff McKay, CEO of regenerative medicine leader Organogenesis, Inc. "Governor Patrick has been instrumental, along with state House and Senate leadership, in directing the efforts to pass the new life sciences bill. Organogenesis is a spin-off of technology developed at MIT, and our living cell therapies have helped to treat hundreds of thousands of patients around the world. We have spent an incredible amount of time, energy and funds to pioneer the regenerative medicine industry, including the industry's first-ever FDA approvals. We had outgrown our existing facilities, and were ready to make a commitment to a major expansion. Governor Patrick was a major catalyst for Organogenesis' decision to remain and expand in Massachusetts, and he in fact helped reverse our decision to leave the state. The life sciences bill solidified the state of Massachusetts as the best place in the world to translate potentially life-saving research into viable, successful businesses."

Following the presentation of the award, Governor Patrick participated in a panel discussion with former Governor Jeb Bush of Florida, where the two spoke about the role of government in facilitating and fostering innovation and growth in the life sciences and biotechnology field. The panel was moderated by FOX Network's Neil Cavuto, host of Your World With Neil Cavuto.

During the panel discussion, Governor Patrick spoke about the need for a collaborative approach to investing in and attracting life sciences talent. Asked what the next President should do to advance life sciences, Governor Patrick spoke about the need to recognize the need to keep politics out of science and make investments for the long term.

GOVERNOR PATRICK HIGHLIGHTS JOB CREATION, RESEARCH AND DEVELOPMENT EXPANSION AT CUBIST PHARMACEUTICALS

Two new floors of lab space to be completed by early 2012

(Photo credit: Matt Bennett/Governor's Office). View additional photos.

LEXINGTON - Wednesday, September 8, 2010 - Governor Deval Patrick and Massachusetts Life Sciences Center President & CEO Susan Windham-Bannister today joined company employees and local officials at Cubist Pharmaceuticals, Inc. in Lexington to highlight the company's expansion in Massachusetts. The Governor participated in the company's "Raising the Roof" ceremony, marking the beginning of a construction project that will add an additional 104,000 square feet of lab and associated administrative space to Cubist's existing lab facility by early 2012.

The Life Sciences Center, charged with implementing the State's ten-year, $1 billion Life Sciences Initiative proposed by Governor Patrick in 2007 and signed into law in June of 2008, awarded a tax incentive of $1.7 million to Cubist last year to facilitate their expansion plans in Lexington. As part of the tax incentive agreement Cubist has committed to creating 58 new jobs this year.

"The Massachusetts economy is an innovation economy, and Cubist is one of the best examples of how that innovation translates into jobs and scientific advancement," said Governor Patrick. "This is just the sort of growth that we envisioned when we proposed the Life Sciences Initiative back in 2007 and I am confident there will be many more announcements like this to come."

"We are excited to support Cubist's ongoing expansion through the Life Sciences Center's Tax Incentive Program," said Windham-Bannister. "Cubist is a great example of a growing life sciences company - they are expending their facilities, adding dozens of jobs, and keeping their pipeline of innovative new drugs and therapies strong."

"As a growing biopharmaceutical company, focused on developing and commercializing therapies administered in the acute care setting, we are driven by a desire to discover new medicines that will save lives," said Cubist President and CEO Mike Bonney. "We believe that the 21st century will be marked by enormous advances in all facets of the life sciences industry that will result in groundbreaking and lifesaving achievements in medical science, and will lead to brand new medical discoveries and therapies - that is our hope for additional lab space we are building here."

This expansion will position Cubist for continued success and further enhance its groundbreaking work in developing treatments for unmet medical needs in the acute care setting. The vertical expansion of the North Building will create two additional floors above the current floor for Research and Development, Technical Operations and related support functions. Once completed, the new space will accommodate both current and anticipated future needs of both groups. Specifically, new labs will be created for Medicinal Chemistry, Crystallography, High-Throughput Purification, Down-Stream Processing & Formulation, Toxicology and Discovery Biology. Other areas will include a new molecular modeling room, a suite of conference rooms and executive offices, administrative and break areas, and space for the future expansion of Discovery Biology and Non-Clinical Development. Also part of the expansion project will be the creation of a multi-story, glass atrium that will link the new upper floors of the North Building to the existing upper floors of the South Building. The atrium will contain a new main entrance, café, passenger & service elevators, walkways and informal meeting spaces.

"This expansion is good for the district and for the Commonwealth," said Senator Kenneth Donnelly. "It's yet another example of the Commonwealth's commitment to making Massachusetts the leader in this field."

"The whole Commonwealth benefits from this kind of partnership," said Senator Susan Fargo. "The commitment by the Massachusetts Life Sciences Center and Cubist Pharmaceuticals is a wonderful step forward for economic development and for our health and well-being."

"I am thrilled to see yet another ambitious expansion effort by a life sciences company committed to growing their business in the Commonwealth, an effort that will bring much-needed jobs and economic stability to our region," said Representative Jay Kaufman. "With Cubist's announcement coming on the heels of other recent expansion initiatives, Lexington is fast becoming a major player in the life sciences."

"Cubist's expansion is great news for our local economy in Lexington, and for the entire region," said Representative Thomas Stanley. "It is terrific to see the state's Life Sciences Initiative bringing new jobs and economic opportunity to our communities."

"The future growth of our economy is in the life sciences sector," said Representative Peter Koutoujian. "By providing the financial tools necessary for companies like Cubist to expand, we are keeping quality firms in Massachusetts and providing much needed business growth and good paying jobs."

In addition to the expansion underway at 65 Hayden Avenue, a building owned by Cubist, the company occupies approximately 180,000 square feet at both 55 Hayden Avenue and 45 Hayden Avenue where interior renovations are underway. When the expansion work is completed, Cubist will occupy a total of 373,000 square feet at its Lexington campus---up from 269,000 square feet today. The expanded facility is projected to be home to an additional 150 new scientists and support staff.

About the Massachusetts Life Sciences Center

The Massachusetts Life Sciences Center ("the Center") is a quasi-public agency of the Commonwealth of Massachusetts tasked with implementing the Massachusetts Life Sciences Act, a ten-year, $1 billion initiative that was signed into law in June of 2008. The Center's mission is to create jobs in the life sciences and support vital scientific research that will improve the human condition. This work includes making financial investments in public and private institutions that are advancing life sciences research, development and commercialization as well as building ties between sectors of the Massachusetts life sciences community. For more information, visit www.masslifesciences.com.

About Cubist

Cubist Pharmaceuticals, Inc. is a biopharmaceutical company focused on the research, development, and commercialization of pharmaceutical products that address unmet medical needs in the acute care environment. In the U.S., Cubist markets CUBICIN® (daptomycin for injection), the first antibiotic in a class of anti-infectives called lipopeptides. The Cubist clinical product pipeline currently consists of a Phase 2 program, added with Cubist's acquisition of Calixa Therapeutics Inc. in December 2009, focused on the development of a novel cephalosporin to address certain serious infections caused by multi-drug resistant (MDR) Gram-negative organisms; a Phase 2 program for the treatment of CDAD (Clostridium difficile-associated diarrhea); and a Phase 1 program intended to address the unmet medical need for a treatment for serious infections caused by MDR Gram-negative pathogens. Cubist is also working on several pre-clinical programs being developed to address areas of significant medical needs. These include an anti-infective program for the treatment of respiratory syncytial virus (RSV) in children, therapies to treat various serious bacterial infections, and agents to treat acute pain. Cubist is headquartered in Lexington, Mass. Additional information can be found at Cubist's web site atwww.cubist.com.

GOVERNOR PATRICK SIGNS AGREEMENT WITH ISRAEL TO STRENGTHEN PARTNERSHIP, ENCOURAGE COLLABORATION BETWEEN MASSACHUSETTS AND ISRAELI INNOVATION ECONOMIES

Governor Patrick and Shalom Simhon, Minister of Industry, Trade and Labor, sign a Memorandum of Understanding in Jerusalem. (Photo Credit: Alex Goldstein/Governor's Office)

JERUSALEM - Thursday, March 10, 2011 - Governor Deval Patrick today signed a Memorandum of Understanding (MOU) with Israel that will allow for further collaboration in research and development (R&D) programs between Massachusetts and Israeli companies.

During a meeting with Israeli Chief Scientist Avi Hasson at the Ministry of Industry, Trade and Labor in Tel Aviv this afternoon, Governor Patrick and Mr. Hasson discussed Israel and Massachusetts' mutual commitment to life sciences and clean and alternative energy research, and how this new agreement will strengthen the partnership between Massachusetts and Israel to facilitate greater economic development and job creation opportunities in the years ahead.

"Today, we take a new step that will ensure our mutual prosperity and leverage the talents of our uniquely skilled workforces," said Governor Deval Patrick. "This Memorandum of Understanding formalizes our already strong relationship and builds a framework to explore new research and development

opportunities in the innovation economy. The agreement will strengthen out ties to our partners in Israel and help support job growth in both Massachusetts' and Israel's innovation industries."

This agreement comes on the fourth day of the Massachusetts Innovation Economy Partnership Mission, a ten-day trade mission to Israel and the United Kingdom (UK) where Governor Patrick and a coalition of the state's leading business executives and senior government officials are exploring growth opportunities within the Commonwealth's innovation-based industries - technology, life sciences and clean energy - and areas of common interest between the state's established and emerging partners in Israel and the UK.

The MOU signed with Israel today will allow the Massachusetts International Trade Office and the Office of the Chief Scientist to work together to identify pre-existing programs in their respective jurisdictions and explore how those programs can partner resources to expedite and enhance both new and ongoing R&D projects. The MOU will enable entities like the Massachusetts Life Sciences Center and the Massachusetts Clean Energy Center (MassCEC) to work across international lines with counterparts in Israel to enhance their competitiveness in these key sectors.

"MassCEC is a unique public entity dedicated entirely to accelerating job growth and economic development in the Massachusetts clean energy industry," said Energy and Environmental Affairs Secretary Richard K. Sullivan Jr., who chairs MassCEC's board of directors. "Its role as a clearinghouse and support center for the Commonwealth's clean energy sector will be strengthened through this agreement, and we look forward to exploring new opportunities with our Israeli partners."

"This agreement builds upon a strong existing relationship between Massachusetts and Israel and will facilitate the identification of joint investment opportunities that will further that relationship," said Dr. Susan Windham-Bannister, President & CEO of the Massachusetts Life Sciences Center and a member of the official delegation. "By working with our counterparts in Israel, we will seek to promote research collaborations, industrial partnerships, and collaborative investment in early-stage technologies, all with the bookend objectives of job growth and scientific discovery."

The Massachusetts Life Sciences Center will pursue follow-up implementation projects with counterpart agencies in Israel involving collaborative programs that will provide economic and scientific benefit to both regions.

"Both Massachusetts and Israel share a strong research and development community that is key to our clean energy leadership," said MassCEC Executive Director Patrick Cloney. "We look forward to collaborating and partnering with Israel in clean tech research and development projects with the ultimate goal of helping clean energy enterprises achieve success faster."

Today there are nearly 100 companies with Israeli founders or Israeli-licensed technologies in Massachusetts. In 2009, these companies employed nearly 6,000 people and generated $2.4 billion in direct revenue for the state. Local firms exported over $180 million worth of goods to Israel in 2009 and, at 12.35 percent, the United States is Israel's largest source of imports. An important market for health-related technologies, Israel is home to 377 hospitals, and 37,000 practicing physicians.

GOVERNOR PATRICK CELEBRATES GRAND OPENING OF NEW THERMO FISHER SCIENTIFIC FACILITY IN TEWKSBURY

Additional center will add 100 jobs in research, development and manufacturing

Governor Patrick and U.S. Senator Kerry participate in a ribbon cutting ceremony at Thermo Fisher Scientific's Center for Excellence. (Photo credit: Eric Haynes / Governor's Office). View additional photos.

TEWKSBURY – Monday, June 11, 2012 – Governor Deval Patrick today celebrated the grand opening of Thermo Fisher Scientific's Center for Excellence for portable analytical instruments. Thermo Fisher's Tewksbury location currently employs 400, and the additional center will add another 100 jobs in research, development and manufacturing over the next five years. The grand opening served as another event in a series of Massachusetts life sciences growth announcements taking place in the days prior to the BIO International Convention, which opens June 18 at the Boston Convention & Exhibition Center. Last week, Governor Patrick celebrated the grand opening of Navidea Pharmaceuticals' new business and commercialization facility in Andover.

"Massachusetts leads the world in life sciences thanks to our growth strategy of investing in education, innovation and infrastructure," said Governor Patrick. "I want to congratulate Thermo Fisher on the

opening of their new facility in Tewksbury, and on their plans for future expansion in Massachusetts. We look forward to working with them to create more jobs and opportunities in the Commonwealth."

The 156,000-square-foot Tewksbury facility is the new home to the company's comprehensive line of Thermo Scientific portable and analytical instruments.

"Our Commonwealth, with its significant access to talent, investment and innovation, supports growth of life sciences, biotech and high-tech businesses unlike any other state or region," said Marc N. Casper, president and chief executive officer of Thermo Fisher Scientific. "This new Center of Excellence creates a strong base for our continued growth in portable and handheld instruments – high-tech tools that are enabling our customers to make the world safer. We've been able to take analytical technologies that were typically only found in the laboratory, and adapt them for use in the field by non-scientists. Our $20 million investment in this world-class facility reaffirms our commitment to Massachusetts and a growing economy that is fueled by new scientific discoveries."

There are now more than 1,400 Thermo Fisher employees in Massachusetts. In addition to its global corporate headquarters in Waltham, businesses in the Commonwealth include Environmental and Process Monitoring in Franklin; Water Analysis Instruments in Beverly; and the BRIMS Center in Cambridge, which provides applications assistance in biomarker discovery and validation.

The BIO International Convention will provide Governor Patrick, Lieutenant Governor Timothy Murray, state and industry leaders with an opportunity to showcase Massachusetts as a global leader in the life sciences industry, and the preeminent place for life sciences companies to invest in and expand.

In 2008, Governor Patrick signed a 10-year, $1 billion investment package to strengthen the state's global leadership in the life sciences. The initiative melds all of the state's key resources in order to spur research, investment, innovation and commercialization. Now, the life sciences industry in Massachusetts is thriving, with more than 52 percent job growth in the biopharma sector since 2001 and more than 80,000 employees working in the life sciences.

MASSACHUSETTS AND ISRAEL UNVEIL $2 MILLION AGREEMENT TO FINANCE JOINT R&D PROJECTS THAT FOSTER ECONOMIC DEVELOPMENT

Bilateral State Agreement to Facilitate Technology Commercialization for Life Sciences, Clean Energy and Technology Industries

WASHINGTON, D.C. - Wednesday, June 29, 2011 - Governor Deval Patrick today joined Israel's Office of the Chief Scientist (OCS), the U.S.-Israel Science and Technology Foundation (USISTF), and three Massachusetts economic development agencies to announce a formal collaboration between the State of Israel and the Commonwealth of Massachusetts to encourage and support innovation and entrepreneurship between Massachusetts' and Israel's life sciences, clean energy and technology sectors. This partnership will be known as the Massachusetts-Israel Innovation Partnership ("MIIP").

The agreement includes a joint solicitation for industrial Research & Development (R&D) collaborations between Massachusetts and Israeli companies. The three participating Massachusetts agencies, the Massachusetts Life Sciences Center (the Center), the Massachusetts Technology Collaborative (MTC) and the Massachusetts Clean Energy Center (MassCEC), are committing nearly $1 million in collective funding for Massachusetts companies that are engaged in cooperative industrial research and development projects with an identified Israeli partner company. The Office of the Chief Scientist will provide up to $1 million in matching dollars for the corresponding Israeli partner companies. Massachusetts is the first U.S. state to enter into such an agreement with the State of Israel.

"Today we have made a significant commitment to the long-term success of our economy," said Governor Patrick. "This Agreement will promote research collaborations, industrial partnerships and commercialization of new technologies, expanding opportunity and job growth both in Massachusetts and in Israel."

The initiative comes as a direct result of Governor Patrick's Massachusetts Innovation Economy Partnership Mission, a ten-day trade mission in March that included travel to Israel, where a coalition of the state's leading business executives and senior government officials explored growth opportunities of common interest for Massachusetts' and Israel's innovation industries. During that mission Governor Patrick and Shalom Simhon, Israeli Minister of Industry, Trade and Labor, signing on behalf of their respective states, signed a Memorandum of Understanding (MOU) in Jerusalem. MIIP has been established to implement the spirit of the MOU's framework. The MIIP initiative will be officially launched once the Israeli Knesset ratifies the MOU.

The initiative will support joint investment opportunities that will further the Massachusetts/Israeli relationship in ways that bring mutual economic benefit to both states and that further scientific discovery.

A Request for Proposals (RFP) will be issued jointly by the Center, MTC and MassCEC seeking applications for funding. The OCS will concurrently issue a solicitation seeking applications for funding from Israeli companies wishing to engage in industrial R&D collaborations with Massachusetts counterparts.

"This Agreement serves as another example of the Office of Chief Scientist's mission to implement programs that establish Israel as a hub of hi-tech industry," said Chief Scientist Avi Hasson, Israel Ministry of Industry, Trade and Labor. "We will continue to build international partnerships like the one with Massachusetts that enable Israeli and international companies to engage in joint technology development projects that drive economic growth."

The R&D Cooperation Agreement is designed to help Massachusetts and Israeli companies accelerate development cycles, promote mutually beneficial business-to-business cooperation to enhance opportunities for marketplace success and expand their global reach. It proposes a flexible framework of parallel funding for each participating company, having its R&D expenses supported by its own state according to its respective laws, regulations, rules and procedures.

"The Economic Development Administration (EDA) is pleased to collaborate in this important public-private partnership to promote technology commercialization in the biotechnology and life sciences industries to increase economic and job growth," said U.S. Assistant Secretary of Commerce for Economic Development John R. Fernandez. "This partnership between Massachusetts and Israel will be a great boost to the many innovators and entrepreneurs who are tackling today's challenges in clean energy, medicine and other fields and fueling the innovation economy."

"Helping businesses move forward with R&D projects through strategic international partnerships is the mission of the U.S.-Israel Science and Technology Foundation," said Ann Liebschutz, executive director at USISTF. "This Agreement exemplifies how we are encouraging the U.S. to tap into Israel's zeal for developing highly advanced and in-demand technologies to facilitate the competitiveness of American companies in this challenging global economy."

"This Agreement stems directly from the Governor's recent trade mission to Israel," said Susan Windham-Bannister, President & CEO of the Massachusetts Life Sciences Center. "A strong collaboration between two of the world's leading centers for life sciences innovation -- Israel and Massachusetts -- will undoubtedly advance scientific research, as well as development and commercialization of important new advances in medical devices, biotechnology, pharmaceuticals and other fields. We also are confident that this collaboration between Israel and Massachusetts will deliver meaningful economic benefits to both states."

"Israel and Massachusetts share a parallel asset in our world-class academic and research institutions, which have led to numerous technological discoveries and business start-ups in the clean energy sector," said MassCEC Executive Director Patrick Cloney. "This partnership will strengthen Massachusetts' relationship with the Israeli clean energy industry, and promote Massachusetts as an international clean energy leader, while providing Massachusetts companies access to the cutting edge expertise of their Israeli collaborators. With partnerships such as this we are on our way to making clean energy a marquee industry in Massachusetts, just like life sciences and IT."

"During the Governor's recent Trade Mission, we were impressed by the many synergies between the Israeli and Massachusetts technology sectors in areas such as cybersecurity, social media and digital healthcare management," said Patrick Larkin, Director of the Massachusetts Technology Collaborative's John Adams Innovation Institute. "We believe this public-private collaboration can serve as a catalyst to energize our state's entrepreneurs and innovation-led industries to develop new products for global markets and create new economic opportunities for Massachusetts."

Today there are nearly 100 companies with Israeli founders or Israeli-licensed technologies in Massachusetts. In 2009, these companies employed nearly 6,000 people and generated $2.4 billion in direct revenue for the state. Local firms exported over $180 million worth of goods to Israel in 2009 and, at 12.35 percent, the United States is Israel's largest source of imports. An important market for health-related technologies, Israel is home to 377 hospitals and 37,000 practicing physicians.

Governor Patrick also announced today that Massachusetts has hired a new Trade Representative to Israel, Hadas Bar-Or. Ms. Bar-Or is an experienced international economic development expert with a strong background in business development within the innovation economy and building collaborations between the public and private sectors. The new Representative will be responsible for increasing trade, investment, and commercial partnerships between Massachusetts and Israel. Governor Patrick announced that Massachusetts would be hiring a Trade Representative to Israel as part of his Innovation Economy Partnership Mission to Israel in March. Ms. Bar-Or will report to Secretary Greg Bialecki, Governor Patrick's Economic Development Cabinet Secretary and Chairman of the Massachusetts Marketing Partnership.

"Massachusetts and Israel today have extensive business relationships, due to our region's common industrial focus areas of life sciences, IT, and clean energy," said Housing and Economic Development Secretary Greg Bialecki. "Building on a strong foundation, our new trade representative will extend these business collaborations to new customers and industries."

GOVERNOR PATRICK BREAKS GROUND ON ALEXANDRIA CENTER SCIENCE AND TECHNOLOGY CAMPUS IN CAMBRIDGE

Campus will be future headquarters of life sciences company Biogen Idec and its 530 employees

Governor Patrick highlights his Administration's job creation efforts at a groundbreaking ceremony for Alexandria Center at Kendall Square.(Photo: Matt Bennett/Governor's Office)

CAMBRIDGE -- Thursday, October 27, 2011 -- Governor Deval Patrick today joined state and local officials, business leaders and members of the life sciences community for the groundbreaking of the first building of the Alexandria Center science and technology campus at Kendall Square. The properties will be the future home of Biogen Idec, a global, biopharmaceutical company moving its headquarters, along with 530 employees, to Cambridge.

"The innovation economy is Massachusetts' global calling card and projects like Alexandria Center confirm that our investments are paying off," said Governor Patrick. "Alexandria's Kendall Square development will create new jobs for the region and strengthen our already robust innovation economy."

Alexandria Center at Kendall Square is a 1.73 million square foot, 11 acre world-class, build-to-suit science and technology campus located in the heart of Cambridge. The development will ultimately include five state-of-the-art buildings with flexible, modern laboratory and high-tech office settings, as well as a variety of innovative spaces designed to encourage collaboration.

“We are delighted that Biogen Idec is moving its headquarters to Cambridge and that the Alexandria Real Estate development in Kendall Square is commencing," said Cambridge Mayor David P. Maher. "This development promises to create more open space, retail space and housing opportunities, in addition to the new lab and commercial spaces. This project is further evidence that Cambridge remains the Innovation Hub of the region."

The Patrick-Murray Administration has made unprecedented investments in the life sciences industry. In June 2008, Governor Patrick signed the Massachusetts Life Sciences Act, a 10-year, $1 billion initiative. The act tasked the Massachusetts Life Sciences Center with creating jobs in the life sciences and support vital scientific research that will improve the human condition. This work includes making financial investments in public and private institutions that are advancing life sciences research, development and commercialization, as well as building ties between sectors of the Massachusetts life sciences community.

"Biogen Idec’s selection of Alexandria Center at Kendall Square for its executive offices demonstrates the unparalleled quality, flexibility and cutting-edge design that define Alexandria’s properties worldwide,” said Tom Andrews, senior vice president and regional market director of Alexandria Real Estate Equities, Inc. “Many leading biopharmaceutical companies are strategically locating in Alexandria’s Cambridge-area properties because of their proven ability to support the development of scientific breakthroughs by providing outstanding facilities in this globally recognized center of life sciences research and development.”

The six-story, 307,000 square foot, highly-sustainable building at 225 Binney is being designed specifically for Biogen Idec by award-winning firm Spagnolo Gisness & Associates, Inc. The innovative design will feature a glass and brick facade and will incorporate two historic buildings. The building at 17 Cambridge Center, being developed by Boston Properties, is a 190,000 square foot building. Both properties will be ready for Biogen Idec in 2013 and will be the first buildings of the Alexandria Center at Kendall Square and the future home of Biogen Idec, a global, investment-grade Biopharmaceutical company.

“Massachusetts is already seen as a leader in healthcare technology, life sciences and clean technology and in order to keep our economy moving forward, continued investment in these cutting-edge industries is crucial,” said Senator Karen Spilka, Senate chair of the Joint Committee on Economic Development and Emerging Technologies. “By basing their headquarters in the Commonwealth, Biogen Idec will solidify our reputation as a leader in the biopharmaceutical industry and will also help to ensure continued economic development and job creation for the state.”

“This project highlights the city of Cambridge’s continued role as global center for innovation,” said Senator Sal DiDomenico. “As life science companies continue to make this region their home, it will help grow the local economy and create long-term employment opportunities for our state’s residents.”

The Patrick-Murray Administration's strategy brings together industry, academic research hospitals and public and private colleges and universities to coordinate this effort, spur new research, strengthen investments, create new jobs and produce new therapies for a better quality of life. The initiative is focused on five points of the development cycle to ensure a comprehensive statewide strategy: funding, planning, research, development and commercialization. According to the MassBIO, the Commonwealth is home to 1,400-1,500 biotechnology and life sciences companies, including agricultural or industrial biotechnology, bioinformatics, contract research and manufacturing, drug development, human diagnostic development, medical device and research products and instrumentation.

"Alexandria has been a generous community partner, agreeing to provide an unprecedented level of sorely-needed parkland and community space to the residents of East Cambridge who will be directly impacted by the development," said Representative Timothy J. Toomey, Jr. "As Kendall Square continues its exciting, meteoric growth into what has been described as 'the most innovative square mile on the planet,' it is important to partner with responsible developers, like Alexandria, who demonstrate a vested interest in the surrounding neighborhood."

"Massachusetts has secured its position as a global leader in the life sciences through smart investments and effective partnerships between industry and state government," said Representative Joseph F. Wagner, House chair of the Joint Committee on Economic Development and Emerging Technologies. "With projects like Alexandria's Kendall Square development, we are seeing that commitment foster economic growth and create new jobs for our residents."

To learn more about the Massachusetts Life Sciences Center and how it is supporting job growth and helping support the Commonwealth's innovation economy, please be sure to visit www.masslifesciences.com.

GOVERNOR PATRICK CELEBRATES PFIZER EXPANSION IN CAMBRIDGE

Company to bring 400 new research jobs to Cambridge

Governor Deval Patrick today joined Pfizer and the Massachusetts Institute of Technology (MIT) to break ground on Pfizer's new facility in Cambridge's Kendall Square. The facility will allow the company to expand its footprint in the growing biopharmaceutical cluster in Cambridge and will create 400 new jobs.(Photo: Eric Haynes / Governor's Office)

CAMBRIDGE – Monday, November 21, 2011 – Governor Deval Patrick today joined Pfizer and the Massachusetts Institute of Technology (MIT) to break ground on Pfizer's new facility in Cambridge's Kendall Square. The facility will allow the company to expand its footprint in the growing biopharmaceutical cluster in Cambridge and will create 400 new jobs.

"It is welcome news that Pfizer is increasing its presence and bringing new jobs to Massachusetts," said Governor Patrick. "Companies like Pfizer know that Massachusetts is unmatched when it comes to providing a high-quality workforce, a high quality of life, and nation-leading investments in health care, education and innovation."

Pfizer announced in February 2011 that the company would be making a strategic shift in research and development. Part of this strategic plan included turning the company's focus on a smaller number of research areas where the potential impact is greatest. This included the company's CVMED and Neuroscience research units. To help accommodate these changes, Pfizer announced it would increase its presence in Cambridge by moving these two important research units there, making the company the second largest biopharmaceutical company in Massachusetts in terms of number of employees. In September, Pfizer announced it had entered into a 10-year lease agreement with MIT for more than 180,000 square feet.

"We deliberately chose to move to Cambridge as a key part of our research and development strategy, in order to foster productive collaborations between our drug discovery experts and the outstanding scientists of Cambridge's world-class institutions," said Pfizer Worldwide R&D President Mikael Dolsten.

"Global biopharma leaders like Pfizer continue to invest in Massachusetts and are helping to strengthen and grow our life sciences Super Cluster," said Susan Windham-Bannister, Ph.D., President & CEO of the Massachusetts Life Sciences Center. "The Patrick-Murray Administration and the Life Sciences Center are actively engaged in doing all that we can to ensure that this trend continues."

In June 2008, Governor Patrick signed the Massachusetts Life Sciences Act, a 10-year, $1 billion initiative, which tasked the Massachusetts Life Sciences Center, a quasi-public agency of the Commonwealth with implementing the initiative. The center's mission is to create jobs in the life sciences and support vital scientific research that will improve the human condition. This work includes making financial investments in public and private institutions that are advancing life sciences research, development and commercialization as well as building ties between sectors of the Massachusetts life sciences community. As a result of these investments, Massachusetts has already created more than one million square feet of new laboratory and biomanufacturing space.

Pfizer also recently launched their newest Centers for Therapeutic Innovation (CTI) at Longwood Medical Center, which will serve as the worldwide headquarters for CTI, a network of partnerships between Pfizer and Academic Medical Centers (AMC) across the country that aim to accelerate and transform drug discovery and development. Pfizer intends to invest approximately $85 million over the next five years and create approximately 50 new or newly funded research jobs in conjunction with CTI in Boston.

The Patrick-Murray Administration has made a commitment to growing the Massachusetts economy through investments in education, innovation and infrastructure. Today's groundbreaking demonstrates that these investments are working to help create jobs and support the Massachusetts economic recovery. As a result, Massachusetts leads the nation in biotechnology research and development employment according to the U.S. Bureau of Labor Statistics and has three cities, Boston, Worcester and Springfield, listed in the top 20 metropolitan areas for recovery performance.

For more information on the Massachusetts Life Sciences Initiative, visit www.masslifesciences.com.

GOVERNOR PATRICK CELEBRATES GRAND OPENING OF NEW THERMO FISHER SCIENTIFIC FACILITY IN TEWKSBURY

Additional center will add 100 jobs in research, development and manufacturing

Governor Patrick and U.S. Senator Kerry participate in a ribbon cutting ceremony at Thermo Fisher Scientific's Center for Excellence. (Photo credit: Eric Haynes / Governor's Office). View additional photos.

TEWKSBURY – Monday, June 11, 2012 – Governor Deval Patrick today celebrated the grand opening of Thermo Fisher Scientific's Center for Excellence for portable analytical instruments. Thermo Fisher's Tewksbury location currently employs 400, and the additional center will add another 100 jobs in research, development and manufacturing over the next five years. The grand opening served as another event in a series of Massachusetts life sciences growth announcements taking place in the days prior to the BIO International Convention, which opens June 18 at the Boston Convention & Exhibition Center. Last week, Governor Patrick celebrated the grand opening of Navidea Pharmaceuticals' new business and commercialization facility in Andover.

"Massachusetts leads the world in life sciences thanks to our growth strategy of investing in education, innovation and infrastructure," said Governor Patrick. "I want to congratulate Thermo Fisher on the

opening of their new facility in Tewksbury, and on their plans for future expansion in Massachusetts. We look forward to working with them to create more jobs and opportunities in the Commonwealth."

The 156,000-square-foot Tewksbury facility is the new home to the company's comprehensive line of Thermo Scientific portable and analytical instruments.

"Our Commonwealth, with its significant access to talent, investment and innovation, supports growth of life sciences, biotech and high-tech businesses unlike any other state or region," said Marc N. Casper, president and chief executive officer of Thermo Fisher Scientific. "This new Center of Excellence creates a strong base for our continued growth in portable and handheld instruments – high-tech tools that are enabling our customers to make the world safer. We've been able to take analytical technologies that were typically only found in the laboratory, and adapt them for use in the field by non-scientists. Our $20 million investment in this world-class facility reaffirms our commitment to Massachusetts and a growing economy that is fueled by new scientific discoveries."

There are now more than 1,400 Thermo Fisher employees in Massachusetts. In addition to its global corporate headquarters in Waltham, businesses in the Commonwealth include Environmental and Process Monitoring in Franklin; Water Analysis Instruments in Beverly; and the BRIMS Center in Cambridge, which provides applications assistance in biomarker discovery and validation.

The BIO International Convention will provide Governor Patrick, Lieutenant Governor Timothy Murray, state and industry leaders with an opportunity to showcase Massachusetts as a global leader in the life sciences industry, and the preeminent place for life sciences companies to invest in and expand.

In 2008, Governor Patrick signed a 10-year, $1 billion investment package to strengthen the state's global leadership in the life sciences. The initiative melds all of the state's key resources in order to spur research, investment, innovation and commercialization. Now, the life sciences industry in Massachusetts is thriving, with more than 52 percent job growth in the biopharma sector since 2001 and more than 80,000 employees working in the life sciences.

NXSTAGE MEDICAL OPENS NEW COMPANY HEADQUARTERS IN LAWRENCE

LAWRENCE – Monday, October 15, 2012 – Governor Deval Patrick today joined NxStage Medical, Inc., a leading manufacturer of innovative dialysis products, to officially open the company's new headquarters in Lawrence. Thanks to the Patrick-Murray Administration's commitment to life sciences, Massachusetts has become a global hub for life sciences development and research.

"Thanks to our growth strategy of investing in education, innovation and infrastructure, Massachusetts continues to lead the world in life sciences," said Governor Patrick. "I congratulate NxStage on this significant achievement and for reaffirming its commitment to Massachusetts."

The new 137,000 square foot facility replaces the company's prior 58,000 square foot Lawrence facility. The facility houses NxStage's corporate offices which include over 300 employees within research and development, sales and marketing, customer and technical support, among other functions, and is expected to accommodate the company's future growth.

"During the Industrial Revolution, our region's gateway cities led the way in pioneering American industry. Today, companies like NxStage pay homage to the Fifth District's long tradition of sparking progress," said Congresswoman Niki Tsongas. "By committing to Lawrence, NxStage ensures the presence of good jobs and continued innovation in the years ahead and I look forward to working with them as a federal partner to ensure that they are able to continue to grow and thrive here in the Commonwealth."

The Massachusetts Life Sciences Center (MLSC), the agency charged with implementing Governor Patrick's 10-year, $1 billion Life Sciences Initiative, awarded approximately $1.3 million in tax incentives to NxStage Medical in 2010 to encourage the company's growth in Massachusetts.

"As one of the largest and fastest growing medical device companies in Massachusetts, NxStage is proud to contribute to the growth and vitality of the area," said Jeffrey H. Burbank, Founder and Chief Executive Officer of NxStage Medical. "NxStage is revolutionizing renal care with innovative technologies including our System One, which provides life-changing therapy to thousands of patients. We are very appreciative that the Governor and others recognize the importance of what we're working to accomplish to ensure that this life-changing therapy option is available to all dialysis patients."

"Being at home and in control of my treatment is what was important to me when I sought home hemodialysis therapy with NxStage," said NxStage dialyzor Richard Sicurella of Winthrop. "But the health and quality of life benefits are what are helping me to live a good life, a life where my wife and I can enjoy our retirement and spend time together. This would not be possible without NxStage. This therapy has changed my life."

Governor Patrick strengthened Massachusetts' global leadership in life sciences in 2008 by signing a 10-year, $1 billion life sciences investment package. Over the last four years, the Commonwealth has

invested more than $300 million in the industry, leveraging more than $938 million in third-party investments and creating thousands of jobs in both construction and the life sciences.

“NxStage Medical is a great example of the state’s investment in the life sciences paying off. This new, expanded headquarters will allow NxStage to grow its business and create jobs right here in the City of Lawrence,” said Senator Barry Finegold. “Additionally, the fact that this is only one of a dozen new businesses opening in the Riverwalk this year shows that the City of Lawrence is a great place to do business. Sal Lupoli should be commended for the work he has done here at the Riverwalk, bringing renewed life to this once thriving area.”

The Life Sciences Initiative melds all of the state’s key resources in order to spur research, investment, innovation and commercialization. Now the life sciences industry in Massachusetts is thriving, with more than 52 percent job growth in the biopharma sector since 2001 and more than 80,000 employees working in the life sciences.

Earlier this month Massachusetts hosted the AdvaMed Convention, the annual convention of the U.S. medical device industry. In June Massachusetts hosted the BIO International Convention, which brought more than 15,000 participants and 3,000 companies to Boston. Both AdvaMed and BIO gave Governor Patrick, Lieutenant Governor Timothy Murray, and state and industry leaders an opportunity to showcase Massachusetts as a global leader in the life sciences industry, and the preeminent place for life sciences companies to invest in and expand. During the BIO convention, Governor Patrick announced innovation partnerships with regions in Spain, and Denmark and Sweden, and the creation of a neuroscience consortium formed by seven companies.

"The Center is pleased to be supporting NxStage Medical as the company expands its facilities in the Commonwealth,” said Susan Windham-Bannister, Ph.D., President & CEO of the MLSC. “NxStage’s important technologies address the challenges of renal failure -- a condition with a rising incidence and prevalence but poor outcomes. Through NxStage, Massachusetts is leading the way in providing better solutions to patients.”

GOVERNOR PATRICK VISITS ABIOMED, HIGHLIGHTS INNOVATION AND RESEARCH AS KEY PARTS OF MASSACHUSETTS' WORLD-LEADING LIFE SCIENCES INDUSTRY

Governor Patrick and Abiomed CEO Michael Minogue observe the original artificial heart prototype during the Governor's visit to Abiomed. (Photo Credit: Eric Hayes / Governor's Office) View additional photos.

DANVERS – Thursday, September 13, 2012 – Governor Deval Patrick today visited Abiomed, a Danvers life sciences company that creates instruments designed to help the pumping function of the heart, to promote the innovation and research programs that have made Massachusetts a world leader in the life sciences industry.

"With a growing industry of companies that are committed to innovation and making us healthier, Massachusetts has become a world leader in life sciences," said Governor Patrick. "Abiomed's pioneering work in heart technology is indicative of the kind of advancements Massachusetts companies are making on behalf of patients and doctors around the world."

"Abiomed is proud to host Governor Deval Patrick and appreciates his continued support to the medical device industry," said Michael R. Minogue, Chairman, President and Chief Executive Officer of Abiomed.

“Massachusetts, by design, is home to some of the leading hospitals, universities and medical device companies in the world. We must continue to collaborate in order to create policies that help small businesses and to sustain an environment that supports innovation for patients and cost-effective care.”

Governor Patrick strengthened Massachusetts’ global leadership in life sciences in 2008 by signing a 10-year, $1 billion life sciences investment package. Over the last four years, the Commonwealth has invested more than $300 million in the industry, leveraging more than $938 million in third-party investments and creating thousands of jobs in both construction and in the life sciences.

The Life Sciences Initiative melds all of the state’s key resources in order to spur research, investment, innovation and commercialization. Now the life sciences industry in Massachusetts is thriving, with more than 52 percent job growth in the biopharma sector since 2001 and more than 80,000 employees working in the life sciences.

In June, Massachusetts hosted the BIO International Convention, which brought more than 15,000 participants and 3,000 companies to Boston. BIO gave Governor Patrick, Lieutenant Governor Timothy Murray, state and industry leaders an opportunity to showcase Massachusetts as a global leader in the life sciences industry, and the preeminent place for life sciences companies to invest in and expand. During the convention, Governor Patrick announced innovation partnerships with regions in Spain, and Denmark and Sweden, and the creation of a neuroscience consortium formed by seven companies.

Founded in 1981, Abiomed employs more than 400 people and maintains its corporate headquarters in Danvers with a European division in Aachen, Germany. The company focuses on developing new technologies designed to assist or replace the life-sustaining pumping function of the heart. Abiomed developed the first total replacement heart and the world’s smallest heart pump.

“Under the leadership of Governor Patrick, Massachusetts has firmly established its role as an international leader in life sciences,” said Senator Gale Candaras, Senate Chair of the Joint Committee on Economic Development and Emerging Technologies. “The Governor and the Legislature are dedicated to fostering the kind of innovative scientific work that advances technology and creates jobs within the Commonwealth. The success of Abiomed in Massachusetts is a model for other companies looking to call Massachusetts home.”

“I am so pleased the Governor is visiting Abiomed today,” said State Representative Ted Speliotis. “Abiomed is a world leader in innovation and they are one of several companies on the North Shore working to provide us with a longer and healthier life. No work is more important.”

“Thank you to the Patrick-Murray Administration’s commitment to the Life Sciences Initiative. With their support, companies like Abiomed are welcome to thrive in Massachusetts,” said Senator Frederick Berry

ISRAELI-FOUNDED ARGO MEDICAL TECHNOLOGIES SELECT MASSACHUSETTS AS U.S. HEADQUARTERS

Announcement at AdvaMed 2012 highlights Massachusetts life sciences industry with demonstration of ARGO's ReWalk exoskeleton that enables paraplegics to walk

BOSTON – Tuesday, October 2, 2012 – Governor Deval Patrick joined ARGO Medical Technologies at the AdvaMed 2012 conference today to announce that Israeli-founded exoskeleton technology leader ARGO has selected Massachusetts as its U.S. headquarters.

"Massachusetts is a global leader in the life sciences industry because of our strong investment in education and innovation," said Governor Patrick, who led a trade mission to Israel last spring to further strengthen ties between the innovation industries in Massachusetts and Israel. "I am pleased to welcome ARGO and their remarkable technology to Massachusetts and I look forward to the continued growth of their company as they bring new jobs into the Commonwealth."

ARGO Medical Technologies' product the ReWalk is an exoskeleton suit that enables persons with lower limb disabilities such as paraplegia to stand and walk independently without assistance. The company's founder, Dr. Amit Goffer, is a person with quadriplegia who was inspired to invent the exoskeleton device because of his own personal story. ARGO was founded in Israel, but has grown internationally. Along with its Massachusetts headquarters, it now has centers in Germany and Israel. The new Massachusetts headquarters, which the company expects to house up to 40 employees, will be located in Marlborough.

"As ARGO expands from a research and development firm to an international leader in commercial exoskeleton technology, we have selected Massachusetts with its strong commitment to the life sciences industry as our U.S. headquarters," said Larry Jasinski, CEO of ARGO Medical Technologies. "The ReWalk is a cutting edge device that will revolutionize the mobility industry and we are committed to making this technology commercially available to anyone who wants one here in the U.S. and around the world."

"ARGO's technology is truly life-changing," said Susan Windham-Bannister, Ph.D., President & CEO of the Massachusetts Life Sciences Center, the agency charged with implementing Governor Patrick's Life Sciences Initiative. "Millions of people with neurodegenerative diseases and spinal cord injuries, including many of our returning veterans, have been waiting for this kind of breakthrough technology. We are proud to welcome ARGO to the Massachusetts life sciences community."

At the press conference, U.S. Army Veteran Theresa Hannigan demonstrated the ReWalk exoskeleton technology. Hannigan is a former Army Sergeant who served during the Vietnam era and was left paralyzed two years ago as a result of a progressive autoimmune disease which she contracted while in the Army. Hannigan has been training with the ReWalk at the National Center of Excellence for the

Medical Consequences of Spinal Cord Injury at the James J. Peters VA Medical Center, Bronx, NY and is planning to use the exoskeleton on October 20, 2012 to walk a 1 mile road race in Lindenhurst, NY to raise money for the organization “Hope for the Warriors” which helps U.S. service men and women.

“I am very excited for the day I can take the ReWalk home to use in my daily life,” said Hannigan. “It’s the simple things that I miss that I can’t do in my wheelchair. When I’m sitting on the couch it is difficult and time consuming to transition into my wheelchair for a simple task like getting a glass of water. With the ReWalk I can just stand up, walk in to the kitchen, get a glass in the cabinet, and pour it for myself.”

The ReWalk is currently available in the U.S. at rehabilitation centers and is awaiting FDA clearance for personal use. In Europe it is also being used in rehabilitation facilities, and ARGO has recently announced its commercial availability to take home for personal use throughout the European Union.

Governor Patrick strengthened Massachusetts’ global leadership in life sciences in 2008 by signing a 10-year, $1 billion life sciences investment package. Over the last four years, the Commonwealth has invested more than $300 million in the industry, leveraging more than $938 million in third-party investments and creating thousands of jobs in both construction and in the life sciences.

The Life Sciences Initiative melds all of the state’s key resources in order to spur research, investment, innovation and commercialization. Now the life sciences industry in Massachusetts is thriving, with more than 52 percent job growth in the biopharma sector since 2001 and more than 80,000 employees working in the life sciences.

In 2011, Governor Patrick led the Massachusetts Innovation Economy Partnership Mission, a 10-day trade mission that included travel to Israel, where a coalition of the state’s leading business executives and senior government officials explored growth opportunities of common interest for Massachusetts’ and Israel’s innovation industries.

About ARGO Medical Technologies

ARGO Medical Technologies develops, manufactures and markets walk restoration devices for people with lower limb disabilities. The company's ReWalk™ exoskeleton allows an ambulation and rehabilitation alternative to wheelchair users, enabling people with lower limb disabilities, such as paraplegia, to stand and walk independently. ARGO is operated by a team of experts in the fields of rehab devices, control and computer sciences with decades of combined experience in R&D, engineering and manufacturing of multidisciplinary systems. The company is assisted by renowned international experts in the fields of medicine, biomedical engineering, robotics and marketing. Founded in 2001 in Israel, ARGO is today an international company with headquarters in the U.S., Germany and Israel. For more information, please visithttp://www.argomedtec.com/.

About the Massachusetts Life Sciences Center

The Massachusetts Life Sciences Center is a quasi-public agency of the Commonwealth of Massachusetts tasked with implementing the Massachusetts Life Sciences Act, a ten-year, $1 billion initiative that was signed into law in June of 2008. The Center’s mission is to create jobs in the life

sciences and support vital scientific research that will improve the human condition. This work includes making financial investments in public and private institutions that are advancing life sciences research, development and commercialization as well as building ties among sectors of the Massachusetts life sciences community. For more information, visit www.masslifesciences.com.

GOVERNOR PATRICK CELEBRATES NEW GENZYME BIOMANUFACTURING FACILITY OPENING IN FRAMINGHAM

FRAMINGHAM – Monday, October 22, 2012 – Governor Deval Patrick today joined Genzyme, a Sanofi subsidiary and the world's third-largest biotechnology company, at an open house to celebrate the recent opening of the company's new biomanufacturing facility in Framingham. Genzyme's ability to locate the facility at Framingham Technology Park was enabled through infrastructure funding from the Massachusetts Life Sciences Center, the agency charged with implementing Governor Patrick's ten-year, $1 billion Life Sciences Initiative.

"Thanks to our growth strategy of investing in education, innovation and infrastructure, Massachusetts continues to lead the world in life sciences," said Governor Patrick. "Genzyme's new facility represents Massachusetts competing successfully for jobs in advanced manufacturing. I congratulate Genzyme, and appreciate the company's ongoing commitment to growing in Massachusetts."

The Massachusetts Life Sciences Center (MLSC) awarded grant funding totaling $14.3 million to the town of Framingham to upgrade its wastewater collection system in conjunction with Genzyme's large-scale biomanufacturing expansion project. Over the past four years, the Commonwealth has invested more than $300 million in the state's life sciences cluster, leveraging more than $1 billion in third-party investments and creating thousands of jobs in both construction and in the life sciences. The life sciences industry in Massachusetts is thriving, with more than 52 percent job growth in the biopharma sector since 2001 and more than 80,000 employees working in the life sciences.

Genzyme employs approximately 4,500 people in Massachusetts, with 2,300 employees at the Framingham campus. Approximately 500 of the Framingham jobs are at the new Framingham biomanufacturing facility.

"The state's commitment to the life sciences, partnership with industry, and the infrastructure grant for Framingham has helped us meet our most important commitment of restoring the supply of medicine to the patients who depend on us," said David Meeker, M.D., President and CEO of Genzyme. "The investments we have made to improve our Allston manufacturing plant and build the new facility here in Framingham are clear indicators of our commitment to meet that need for people living with rare diseases such as Fabry and Gaucher."

Earlier this month, Massachusetts hosted the AdvaMed Convention, the annual convention of the U.S. medical device industry. In June, Massachusetts hosted the BIO International Convention, which brought more than 15,000 participants and 3,000 companies to Boston. Both AdvaMed and BIO gave Governor Patrick, Lieutenant Governor Timothy Murray, and state and industry leaders an opportunity to showcase Massachusetts as a global leader in the life sciences industry, and the preeminent place for life sciences companies to invest in and expand. During the BIO convention, Governor Patrick announced innovation

partnerships with regions in Spain, and Denmark and Sweden, and the creation of a neuroscience consortium formed by seven companies.

"The Center is pleased to support the town of Framingham through a true public/private partnership that has enabled Genzyme to expand their biomanufacturing efforts in Massachusetts and create hundreds of new jobs," said Susan Windham-Bannister, Ph.D., President & CEO of the MLSC. "When we support biomanufacturing we create jobs that are available to people with a variety of skills and levels of education attainment. Genzyme is a company built on groundbreaking science that fundamentally changes the lives of patients with rare diseases, such as Fabry's disease. With the opening of Genzyme's new biomanufacturing facility we will see therapies reaching patients quicker – and that's what the Massachusetts life sciences industry is all about."

About Genzyme, a Sanofi Company

Genzyme has pioneered the development and delivery of transformative therapies for patients affected by rare and debilitating diseases for over 30 years. We accomplish our goals through world-class research and with the compassion and commitment of our employees. With a focus on rare diseases and multiple sclerosis, we are dedicated to making a positive impact on the lives of the patients and families we serve. That goal guides and inspires us every day. Genzyme's portfolio of transformative therapies, which are marketed in countries around the world, represents groundbreaking and life-saving advances in medicine. As a Sanofi company, Genzyme benefits from the reach and resources of one of the world's largest pharmaceutical companies, with a shared commitment to improving the lives of patients. Learn more atwww.genzyme.com.

About the Massachusetts Life Sciences Center

The Massachusetts Life Sciences Center is a quasi-public agency of the Commonwealth of Massachusetts tasked with implementing the Massachusetts Life Sciences Act, a ten-year, $1-billion initiative that was signed into law in June of 2008. The Center's mission is to create jobs in the life sciences and support vital scientific research that will improve the human condition. This work includes making financial investments in public and private institutions that are advancing life sciences research, development and commercialization as well as building ties among sectors of the Massachusetts life sciences community. For more information, visit www.masslifesciences.com.

Governor Patrick Announces Major Life Sciences Investment in Western Massachusetts

Grants to fund lab renovations, equipment and planning for community colleges and vocational schools, and expansion of life sciences capacity at MGHPCC

HOLYOKE – Thursday, February 28, 2013 – Governor Deval Patrick and the Massachusetts Life Sciences Center (MLSC) today announced more than $9 million in grants for life-sciences-related capital projects in Western Massachusetts, including $3.8 million to support the creation of a Center for Life Sciences at Holyoke Community College (HCC), and $4.54 million that will allow the Massachusetts Green High Performance Computing Center (MGHPCC) in Holyoke to expand its capacity for life sciences-related research and data analysis. Through the Massachusetts Life Sciences Center, Massachusetts is investing $1 billion over 10 years in the growth of the state's life sciences supercluster. These investments are being made under Governor Patrick's Massachusetts Life Sciences Initiative.

"Supporting innovation propels our economy forward and prepares our citizens for the 21st century global marketplace," said Governor Patrick. "Our innovation economy relies on a well-educated, well-skilled workforce, and these grants will expand opportunity and grow jobs in communities throughout the Commonwealth."

"Our Administration is committed to investing in innovation across the state, including the life sciences industry in Western Massachusetts," said Lieutenant Governor Timothy Murray. "These capital project investments will enhance research, workforce training and job creation, expand opportunities to develop improved medicine and support the region's long-term economic growth."

"Schools like Holyoke Community College and Springfield Technical Community College play major roles in training the next generation of our state's life sciences workforce, and they ensure that training for innovation economy jobs is inclusive and available all across the state," said Dr. Susan Windham-Bannister, President & CEO of the MLSC. "Our grants help ensure that these schools can provide students in Western Massachusetts with first-rate training facilities "Our grant to the MGHPCC leverages prior investments by the state and five of our top universities by expanding the MGHPCC's capacity to make advanced computing available to the life sciences community."

The largest grant awarded today went to the MGHPCC. This investment will build on an infrastructure for large-scale data analysis that is already in place in Holyoke and was created by a strong partnership among academia, industry and the Commonwealth. Boston University, Harvard University, the Massachusetts Institute of Technology, Northeastern University and the University of Massachusetts have teamed with Astra-Zeneca, Pfizer, Merck, Merrimack Pharmaceuticals, EMC and IBM, among others, to create this computing resource. The MLSC funding of $4.54 million will allow the MGHPCC to create a cloud-based resource for data-driven biology.

“As with other scientific disciplines, discovery and innovation in the life sciences are dependent on high-performance computing,” said John Goodhue, Executive Director of the MGHPCC. “This investment will leverage the capabilities of the MGHPCC and its university partners to strengthen the state's position as a leader in life sciences research, an important driver of the Massachusetts economy. The MLSC's investment will also add a new dimension to the ongoing partnership between the MGHPCC and western Massachusetts business and educational institutions.”

“Biomedical sciences are in the midst of a revolution where many of the challenges are becoming large-scale data problems,” said Manuel Garber, Associate Professor in the Program in Bioinformatics and Integrative Biology at the University of Massachusetts Medical School. “The investment in this computer system will poise the state of Massachusetts as a leader in the development of computational methods to understand and a catalytic force in applying these discoveries to improve health care.”

HCC was granted $3.8 million to support the renovation of 13,000 square feet of lab space and the creation of a Center for Life Sciences. This will include a clean room for the biological sciences, which will be the only clean room in Western Massachusetts to support training for students, faculty and industry partners.

“The importance of community colleges in providing access to life sciences education for minority, low-income and first-generation students cannot be overstated,” said HCC President William F. Messner. “This grant will enable us to expand our partnerships and establish a solid pipeline from high school, to college, to the workforce. It will allow HCC to strengthen articulations with Mount Holyoke and Smith College and increase the number of women in life sciences fields. It will provide the college with the resources necessary to support our industry partners, and ensure our curriculum aligns with their needs and equips our graduates with the knowledge and skills they need to pursue further education or enter the workforce.”

“This project at Holyoke Community College is absolutely essential for regional life science economic development,” said Steve Richter, President & Scientific Director of Microtest Labs in Agawam. “The caliber of this project adds to the force required for real change and job development. The focus on microbiology and clean room technology creates value for students and industry. The medical device, biotech and compounding pharmacies will benefit from future graduates.”

The MLSC also awarded two planning grants to academic institutions in the region. These grants allow institutions to propose and develop studies in order to further identify what types of life sciences resources would be most useful to them:

- Springfield Technical Community College (STCC) was awarded $150,000, which will be used to update its equipment and labs to align with the needs of life sciences companies. MLSC funding will allow STCC to conduct a study to identify the most appropriate equipment that will best deliver a life sciences education leading to employment in the field.

- Bay Path College in Longmeadow recently received a $2 million grant from the U.S. Department of Education aimed at improving undergraduate student retention, supporting curricular redesign, faculty professional development, and student academic and career support services. The MLSC planning grant

of $50,000 will enable Bay Path College to engage key stakeholders from the life sciences industry, workforce development, and educational institutions to identify the capital needs and other resources needed to fully implement this initiative in the sciences at Bay Path College.

“STCC applauds Governor Patrick and the Massachusetts Life Sciences Center for their investment in life sciences education,” said Dr. Lisa Rapp, Chair of STCC's Biotechnology Department. “STCC's planning grant will allow the college to determine which capital resources we most need to create and furnish up-to-date, industry-aligned, teaching laboratories to educate and train a skilled life sciences workforce for the Commonwealth.”

“We have always been responsive to the workforce development needs of our region. As Bay Path continues to invest and grow our programs in the life sciences, our planning must be conducted in collaboration with the life sciences industry in Massachusetts where our students are most likely to pursue careers, thereby ensuring their success and also enabling the industry as a whole to flourish,” said Dr. Melissa Morriss-Olson, Provost and Vice President for Academic Affairs of Bay Path College.

In December, 2012, Lieutenant Governor Murray and the MLSC announced a round of equipment and supply grants for vocational and technical high schools and public high schools in gateway cities, with the idea of furthering STEM education. High schools in Western Massachusetts received more than $500,000 toward lab renovation and equipment. The six schools in Western Massachusetts, the city or town in which they are located, and the amount of their respective grants are as follows:

About the Massachusetts Life Sciences Center

The Massachusetts Life Sciences Center (MLSC) is a quasi-public agency of the Commonwealth of Massachusetts tasked with implementing the Massachusetts Life Sciences Act, a 10-year, $1-billion initiative that was signed into law in June of 2008. The MLSC’s mission is to create jobs in the life sciences and support vital scientific research that will improve the human condition. This work includes making financial investments in public and private institutions that are advancing life sciences research, development and commercialization as well as building ties among sectors of the Massachusetts life sciences community. For more information, visit www.masslifesciences.com.

REPORT CONFIRMS THAT GOVERNOR PATRICK'S LIFE SCIENCES INITIATIVE IS CREATING JOBS AND ECONOMIC OPPORTUNITY

Massachusetts leads the nation in creating jobs in the life sciences sectors

Governor Patrick joins the Boston Foundation for an announcement relative to the Massachusetts Life Sciences sector. (Photo credit: Eric Haynes / Governor's Office)

View more photos

BOSTON – Tuesday, March 26, 2013 – The Boston Foundation today released a report showing that the Patrick-Murray Administration's investments in the life sciences sector are making a measurable impact on job creation and spurring economic growth across the Commonwealth. The report also encourages continued funding of the Life Sciences Initiative, the Administration's 10-year $1 billion investment package in the Life Sciences industries that has helped make Massachusetts a national leader in this growing sector.

“The Life Sciences Initiative is meeting its growth objectives and then some,” said Governor Deval Patrick in an event announcing the report at the Boston Foundation earlier today. “Because we chose to shape the future we wanted, rather than just wait to see what happens, Massachusetts is now the world's leading life sciences supercluster, and we have the jobs and economic opportunity that come with that.”

In 2007, Governor Patrick proposed a 10-year, $1 billion Massachusetts Life Sciences Initiative. The initiative was passed by the Legislature in 2008, and the Massachusetts Life Sciences Center (MLSC) was charged with implementing it. The goal of this initiative has been to make the Commonwealth home to the most vibrant life sciences supercluster in the world, attracting investment dollars, creating well-paying jobs, expanding a technically skilled workforce and supporting an energetic landscape for innovation and entrepreneurship.

The report, Life Sciences Innovation as a Catalyst for Economic Development: The Role of the Massachusetts Life Sciences Center, was unveiled earlier today at an Understanding Boston forum at the Boston Foundation. The research found that the MLSC has had a measurable impact on job creation through its over $300 million in investments as of June, 2012. Over the last 10 years the state’s life sciences cluster has created jobs in Massachusetts at a faster pace than any other industry sector in the Commonwealth, and since 2008, Massachusetts has overtaken all competitor states in the rate of life sciences job creation. The report also commends the MLSC for its administrative efficiency and sound judgment in its investments and applauds the Governor and the Legislature for its foresight in creating the Center.

The MLSC is driving job creation in Massachusetts through several different programs, including loans to early-stage companies, grants to support industry-academic research collaborations, cutting edge infrastructure, growth incentives, workforce training and internships that help smaller companies access Massachusetts workers. The research found that the MLSC’s investments in start-up companies is an especially strong draw to Massachusetts for larger companies, which rely on smaller companies to help them access and develop new technologies at a faster rate. The MLSC’s role in helping these start-up firms gain traction in Massachusetts has been instrumental in encouraging the larger bioscience companies to locate and create jobs in the Commonwealth.

Building on these targeted investments, Governor Patrick unveiled a budget proposal in January that includes new investments in education and transportation, investments that have proven to create new jobs and economic opportunities. The Governor’s plan includes a $1 billion annual investment in the Commonwealth’s transportation system to maintain the transportation assets we have today and launch a number of high-impact transportation projects across Massachusetts that, if built, will create thousands of jobs and spur economic development across the Commonwealth. The plan also includes a $550 million investment in education, reaching $1 billion over four years, to expand access to high quality educational opportunities and make higher education more affordable for all students in Massachusetts.

The report was conducted through the Kitty and Michael Dukakis Center for Urban and Regional Policy at Northeastern University and authored by Barry Bluestone and Alan Clayton-Matthews. Click here to view the full report.

LIEUTENANT GOVERNOR MURRAY AND MASSACHUSETTS LIFE SCIENCES CENTER ANNOUNCE EQUIPMENT AND SUPPLY MATCHING GRANTS FOR PUBLIC HIGH SCHOOLS

Grants to fund new equipment for life sciences job training at vocational schools, high schools in Gateway Cities

WESTFORD – Thursday, December 20, 2012 – Lieutenant Governor Timothy Murray and the Massachusetts Life Sciences Center (MLSC) today announced $3.2 million in grants to support the purchase of life sciences training equipment and supplies at vocational technical schools, public high schools in Massachusetts' Gateway Cities, and workforce training programs across the state.

Lieutenant Governor Murray launched the first round of the MLSC Equipment and Supplies for High Schools Grant Program at the 7th Annual Science, Technology, Engineering, and Math (STEM) Summit held in 2010. Building on the success of the first year of the program, Lieutenant Governor Murray visited the Nashoba Valley Technical High School, one of the recipients in this latest round, to award the vocational technical school with a $96,665 grant to support the expansion of their Engineering Academy to include biotechnical engineering and robotic fabrication. In addition to Nashoba Valley, 30 other schools and programs were also awarded grants today.

“Our Administration continues to invest in STEM education, jobs, and workforce development to prepare the next generation of students and leaders in our economy,” said Lieutenant Governor Murray, Chair of the Governor’s STEM Advisory Council. “By partnering with the Massachusetts Life Sciences Center, we are delivering resources for schools to invest in advanced equipment and supplies. Students will gain more hands-on experience in the classroom, further engaging them in STEM fields that will get them excited about future careers in innovative industries."

Awardees provide a breadth of training ranging from general STEM education curricula to biotechnology. The student population that will benefit from these equipment grants represents a diverse workforce, including workers seeking re-training and low-income individuals preparing for entry-level positions.

This grant program seeks to further the development of the state’s life sciences workforce by providing funding of up to $250,000 per institution for life sciences equipment and supplies. To be eligible for an award of greater than $100,000, applicants must have secured matching funds or in-kind donations from an industry partner that supports the training program for which the equipment and supplies are needed. Industry sponsors have contributed more than $400,000 in matching funds and in-kind donations as part of this year’s program.

“Training students to enter the life sciences workforce is a critical part of the Center’s mission,” said Susan Windham-Bannister, Ph.D., President & CEO of the MLSC. “We want to make those opportunities available to all students across the state, which is why we are focusing resources in this round of grant awards on our voc/tech schools, and public high schools in our gateway cities. These investments will both strengthen and diversify our life sciences workforce in Massachusetts.”

“We as a career and technical school district, for the past two decades have changed our direction and mission to meet the highest skill standards of the global workplace,” said Dr. Judith Klimkiewicz, Superintendent of Nashoba Valley Technical High School. “We are focused on creating the newest technical programs necessary to meet the needs of the Commonwealth and the nation’s growing science, health, human services and biotechnology industries. We opened Engineering Technology ten years ago and have continued to expand STEM Education in all of our technical programs. Use of the equipment purchased through this grant will enable our students in our health sciences, Engineering Technology and Advanced Placement Biology programs to expand their core curriculums to address specific mathematic and scientific concepts unique to biotechnology.”

“Vocational technical and agricultural education is a blend of quality education, skill development, preparation for post-secondary education and preparation for the workforce of the future,” said Peter D. Dewar, Director of Professional Development, Massachusetts Association of Vocational Administrators. “The grants being awarded today will go far to enhance and in some schools introduce life sciences education as a workforce component. This will help us continue our quest as we seek to maintain our standing as one of the finest vocational technical and agricultural public education systems in the country.”

"I'm very excited that this grant has been awarded to Nashoba Valley Tech,” said Timothy Blicharz, Senior Scientist for Seventh Sense Biosystems of Cambridge, a company that is collaborating with Nashoba Valley Technical on their biotechnology training programs. “It will be a huge help to foster the students' interest in the sciences and help shape them into the leading scientists and engineers of tomorrow."

The 31 schools and programs that are receiving awards, the city or town in which they are located, and the amount of their grant are as follows:

School/Organization	**City/Town**	**Award Amount**
Assabet Valley Regional Technical High School	Marlborough	$ 90,284.00
Blackstone Valley Regional Vocational Technical High School	Upton	$ 99,984.00
Blue Hills Technical School District	Canton	$ 100,000.00
Bristol-Plymouth Regional Technical School District	Taunton	$ 99,940.20

Cape Cod Regional Technical High School	Harwich	$ 77,738.02
Fall River Public Schools (Durfee High School)	Fall River	$ 92,555.23
Greater Lowell Regional Vocational Technical High School	Tyngsboro	$ 89,936.15
Haverhill High School	Haverhill	$ 99,289.40
Holyoke Public Schools (Dean Tech & Holyoke High School)	Holyoke	$ 195,019.93
Lynn English High School	Lynn	$ 77,419.35
Massachusetts Biotechnology Education Foundation	Cambridge	$ 249,777.00
Minuteman Regional Vocational Technical School District	Lexington	$ 134,137.91
Montachusett Regional Vocational Technical School District	Fitchburg	$ 248,274.76
Nashoba Valley Technical High School	Westford	$ 96,665.20
Norfolk County Agricultural High School	Walpole	$ 97,612.00
North Shore Technical High School	Middleton	$ 99,999.52
Northeast Metropolitan Vocational School District	Wakefield	$ 71,610.00
Quaboag Regional Middle High School	Warren	$ 7,438.65
Quincy High School	Quincy	$ 94,469.05
Revere High School	Revere	$ 98,176.02
Rindge School of Technical Arts	Cambridge	$ 100,000.00
Roger L. Putnam Vocational Technical Academy	Springfield	$ 100,000.00
Shawsheen Valley Regional Vocational School District	Billerica	$ 95,928.00

Smith Vocational and Agricultural High School	Northampton	$ 100,000.00
South Shore Vocational Technical High School	Hanover	$ 119,925.00
Taconic High School	Pittsfield	$ 88,028.74
Taunton Public Schools	Taunton	$ 99,384.00
The BioBuilder Educational Foundation	Cambridge	$ 95,300.00
Westfield Public Schools	Westfield	$ 44,333.00
Worcester North High School	Worcester	$ 64,995.00
Worcester Technical High School	Worcester	$ 99,982.82

“This funding will provide much needed supplies and equipment to Gateway City schools and Vocational-Technical programs across the Commonwealth to help train students in life sciences technology and research,” said state Representative Alice H. Peisch, House Chair of the Education Committee. “I am grateful to the Administration and the Massachusetts Life Sciences Center for supporting this important initiative.”

“The Patrick-Murray Administration has made a concerted effort to prioritize the needs of our Gateway Cities,” said state Senator Eileen Donoghue. “I’m grateful for the emphasis they have placed on education in Gateway Cities, and I’m confident that this funding will go a long way for Nashoba Valley Technical High School.”

“Our investments in the Life Sciences have been vital to the Massachusetts economy and the growth of new companies and technology in our state," state Senator Harriette Chandler. "I applaud the Patrick-Murray Administration for continuing to move forward with these important grants to these educational institutions."

"Thanks to the dedication of the Patrick-Murray Administration and the Massachusetts Life Sciences Center, our Vocational-Technical schools are leading the way in preparing our students to reignite the precision manufacturing industry in Massachusetts,” said state Senator Gale Candaras. “Precision manufacturers across the state have stressed the need for more machinists in the next five years, and this funding will ensure that our students can fill these positions, which offer fair pay and benefits."

“I am so pleased once again with the results of the state's strong partnership with the Gateway Cities," said state Representative Tricia Farley-Bouvier. "Today we are coming together to support the important

life science training offered at Taconic High School. I appreciate the leadership that Department Chair Kristen Pearson has demonstrated in finding a way to provide the practical tools that are so crucial in preparing our students for career opportunities in STEM fields."

"Representing two Gateway Cities, I am thrilled about this announcement and thankful to Governor Patrick for his steadfast commitment to provide all students across the Commonwealth an equal opportunity to learn," said state Representative Kathi-Anne Reinstein. "These resources are critical in assisting disadvantaged children and their families overcome difficulties to gain a good education and lead successful lives."

About the Massachusetts Life Sciences Center

The Massachusetts Life Sciences Center (MLSC) is a quasi-public agency of the Commonwealth of Massachusetts tasked with implementing the Massachusetts Life Sciences Act, a 10-year, $1-billion initiative that was signed into law in June of 2008. The MLSC's mission is to create jobs in the life sciences and support vital scientific research that will improve the human condition. This work includes making financial investments in public and private institutions that are advancing life sciences research, development and commercialization as well as building ties among sectors of the Massachusetts life sciences community. For more information, visit www.masslifesciences.com.

GOVERNOR PATRICK CELEBRATES GRAND OPENING OF ALBERT SHERMAN CENTER AT UMASS MEDICAL SCHOOL

$90 million capital grant from the Massachusetts Life Sciences Center is the Center's largest investment to date

WORCESTER – Jan. 30, 2013 – Governor Deval Patrick and Lieutenant Governor Timothy Murray today joined UMass leadership, educators and state and local officials to celebrate the grand opening of the new Albert Sherman Center at the University of Massachusetts Medical School. Built in partnership with the University of Massachusetts Building Authority and funded in part with a $90 million grant from the Massachusetts Life Sciences Center, investments of this kind are a key component of the Governor's plan to grow jobs and expand economic opportunity.

"Our investments in education, innovation and infrastructure have come together to support the completion of the Albert Sherman Center here at UMass Medical School," said Governor Patrick. "This landmark project is a testament to what is possible when we work together to invest in this generation and the next."

"As we continue to invest in innovation in all regions of the Commonwealth, the Sherman Center at UMass Medical School stands out as a leading research and educational institution not just for Worcester County but for the entire state," said Lieutenant Governor Timothy Murray. "We look forward to the tremendous knowledge and growth this institute will lend in finding cures to complex diseases, supporting the medical and life sciences industries, and creating jobs and investment in Massachusetts."

Named for UMass Medical School's former vice chancellor for university relations, the Albert Sherman Center has doubled the research capacity of the Worcester campus with 512,000 square feet of interdisciplinary research and education space designed to maximize collaboration among scientists, educators and students across multiple fields. It is the new home of the Advanced Therapeutics Cluster, comprising the RNA Therapeutics Institute, the Center for Stem Cell Biology and Regenerative Medicine and the Gene Therapy Center, and contains wet research space for more than 90 investigators. These translational scientists pursue novel bench-to-bedside research in emerging scientific fields with the goal of developing new innovative therapies for diseases ranging from cancer to amyotrophic lateral sclerosis (ALS), also known as Lou Gehrig's disease, and cystic fibrosis.

"The Albert Sherman Center was one of the MLSC's earliest investments, and at $90 million remains our largest investment to date," said Susan Windham-Bannister, Ph.D., President & CEO of the Massachusetts Life Sciences Center. "The advanced therapeutic research that will be housed in this facility will generate promising new treatments as well as spin out new companies. UMMS, the state's first and only public medical school, is a science pioneer and the Center is very pleased to advance their work through this investment. With this investment we also are implementing the Patrick/Murray Administration's vision to grow the life sciences all across the Commonwealth."

Last week, Governor Patrick unveiled a budget proposal that includes new investments in education, innovation and infrastructure, areas that have proven to create new jobs and economic opportunities through increased public investments for every part of the Commonwealth. This includes $25 million for the Massachusetts Life Sciences Center in the coming fiscal year to continue their landmark investments in innovation for the life sciences.

Through the Massachusetts Life Sciences Center, Massachusetts is investing $1 billion over 10 years in the growth of the state's life sciences supercluster. These investments are being made under the Massachusetts Life Sciences Initiative, proposed by Governor Patrick in 2007, and passed by the State Legislature and signed into law by Governor Patrick in 2008.

"The completion of the Albert Sherman Center is a transformative event in the history of the Commonwealth's medical school," said Chancellor Michael F. Collins. "It would be hard to overstate the importance of this new center to our campus, or the positive impact of the work that will go on within it."

"We are honored and privileged to be part of this ground breaking, collaborative construction effort," said Peter Campot, Suffolk's president of Healthcare and Science-Technology and chief innovation officer. "This unique project gave us an opportunity to implement the most innovative planning and construction methods in the industry, including virtual design and construction and six-dimensional facility modeling. These state-of-the-art processes and tools, along with our 'build smart' approach to construction management, allowed us to deliver a facility that will set a new standard for biomedical research for generations to come."