

MAINE BIOMEDICAL RESEARCH COALITION

Foundation for Blood Research

69 US RT 1
Scarborough, ME 04074
207-883-4131
www.fbr.org

Maine Medical Center Research Institute

81 Research Drive
Scarborough, ME 04074
207-885-8100
www.mmc.org/research

Mount Desert Island Biological Laboratory

Old Bar Harbor Road
P.O. Box 35
Salisbury Cove, ME 04672
207-288-3605
www.mdibl.org

The Jackson Laboratory

600 Main Street
Bar Harbor, ME 04609
207-288-6000
www.jax.org

University of New England College of Osteopathic Medicine

11 Hills Beach Road
Biddeford, ME 04005
207-283-0171
www.une.edu

Research and development works!

That is why Governor John Baldacci says—

"Maine's biomedical research institutions have an extraordinary record of creating high-quality jobs and attracting federal funding. Increased state investment in this sector is crucial to ensure continued growth and diversification of the Maine economy."

A "Wise Investment" in Maine's Future

"...In the past [state funding] has been used to pay for capital costs and expansions at major nonprofit research facilities in Maine.... What makes this a smart investment is that the upgrades and expansions themselves aren't typically funded by federal grants, but they create transformative opportunities to attract world-class researchers to Maine. These researchers lead teams and require staffs.... The bottom line is the creation of high-paying jobs and opportunities for Maine's young people, not to mention the benefits to Maine construction companies."

Editorial
Kennebec Journal / Morning Sentinel
June 3, 2003

NONPROFIT RESEARCH INSTITUTIONS • CREATING JOBS / SAVING LIVES

For more information

Frank O'Hara, *Planning Decisions* • frankohara@adelphia.net • 207-621-2623

Year after year...

WE KEEP OUR PROMISES!

ENSURING BETTER JOBS TODAY...

Between 2000 and November 2004, total employment in Maine grew 22%, but the number of manufacturing jobs fell by 23%. Yet through this difficult economic time, **Maine's biomedical research sector grew by 44%, fully twice the state average.** Because of the continued success of their research efforts, coalition members have created nearly 500 new, high-paying jobs over the past four years.

Even more impressively, **the average salary plus benefits paid for biomedical research jobs grew over 35%, to a level of \$62,500 per year.** This increase was nearly triple the growth of average wages for the state as a whole.

In addition to the nearly \$89 million in salary and benefits they pay to their employees, **MBRC members make over \$30 million in purchases** from Maine businesses . . . and their capital expansion activities injected over \$19 million into Maine's construction industry. Finally, the income generated by all these activities provides nearly \$16 million a year in revenue to Maine's state and local governments, including **over \$6.6 million in local property tax payments.**

...AND BETTER HEALTH TOMORROW

2005 REPORT CARD TO THE MAINE LEGISLATURE

MAINE BIOMEDICAL RESEARCH COALITION

NONPROFIT RESEARCH INSTITUTIONS • CREATING JOBS / SAVING LIVES

For more than 100 years, Maine's nonprofit biomedical research institutions have been making significant contributions to human health. Currently, these institutions are conducting research on every

major human disease, including cancer, heart disease, diabetes, hypertension, Alzheimer's disease, cystic fibrosis and glaucoma. And their continued growth promises more hope for the future.

2004 HIGHLIGHTS

Mount Desert Island Biological Laboratory

- ✓ Received a \$17.8 million NIH grant to strengthen research and training programs at nine Maine institutions (MDIBL; The Jackson Laboratory; Bates, Bowdoin and Colby colleges; College of the Atlantic; University of Maine at Orono, Farmington and Machias).
- ✓ Hired six full-time scientists since 2000, with two more scientific groups to be hired in spring 2005.
- ✓ Increased federal research funding from \$1.2 million in 2000 to \$33 million in 2005.



Maine Medical Center Research Institute

- ✓ Received an \$11.2 million Center for Biomedical Research Excellence award in Stem Cell Biology and Regenerative Medicine, to generate 30-40 new jobs, including eight scientists, by 2008.
- ✓ Recruited Dr. Don M. Wojchowski to the Center for Molecular Medicine, who brought his \$2.5 million program from Penn State University to address problems in red blood cell development and anemia.
- ✓ Received \$500,000 in federal funding to purchase an Animal Magnetic Resonance Imaging machine, for use by researchers throughout Maine.



The Jackson Laboratory

- ✓ A \$61.1 million research expansion is under way, which, when complete, is projected to provide 125 new scientific, technical and administrative jobs.
- ✓ Published research on a wide range of diseases, including cancer, hearing impairment, type 1 diabetes and glaucoma.
- ✓ The Institute for Molecular Biophysics was launched with a \$6 million grant from the National Science Foundation to the University of Maine with subcontracts to The Jackson Laboratory and MMCRI.



University of New England College of Osteopathic Medicine

- ✓ Over \$1.1 million in MBRC funds are being set aside for construction of a biomedical research building in Biddeford. As Maine's only medical school, expanded research will help build partnerships with other institutions.
- ✓ As part of a private fund-raising campaign for the new biomedical research facility, received a \$1 million challenge grant from Owen Pickus, D.O. and Geraldine Olilla-Pickus, D.O.
- ✓ Attracted NIH-funded researcher Ian Meng, Ph.D. from the University of California, San Francisco's Department of Neurology.

Foundation for Blood Research

- ✓ Received a \$1.3 million NIH grant extending long-term prenatal thyroid research into how a pregnant woman's thyroid function may affect her baby's development.
- ✓ Installed an expansive freezer facility to better store and preserve hundreds of thousands of blood specimens vital for present and future clinical research.
- ✓ With Davis Family Foundation funding, studying how distinct patterns of proteins in the blood can help diagnose serious medical conditions before they cause clinical problems.



"Maine has gained terrific jobs in biomedical research. I am proud that we in the Legislature have been able to help. Now we have to keep up the momentum."

Representative Joe Bruno
R-Raymond

BIPARTISAN SUPPORT FOR FUNDING BIOMEDICAL RESEARCH IN MAINE

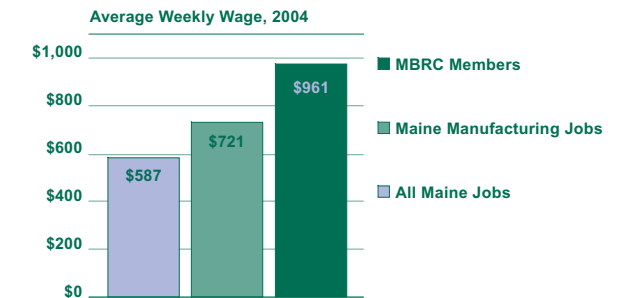
"The key to successful economic development is consistency. Don't support something one year, drop it the next, and resume it again in the future. Ireland succeeded in building up its economy by making a long-range plan and sticking to it. Biomedical research is part of Maine's long-term economic future. We need to keep supporting it."

Representative John Richardson
Speaker of the House
D-Brunswick



THE INVESTMENT THAT KEEPS ON GIVING

Since 2000, Maine has lost nearly 20,000 manufacturing jobs. These were jobs with good wages and benefits. Where are the good-paying jobs of the future going to come from? They're going to come from sectors like biomedical research. While Maine and the world continue to struggle with globalization, outsourcing, and the "jobless recovery," Maine's biomedical research sector continues to grow . . . and to pay wages far above even those of manufacturing.

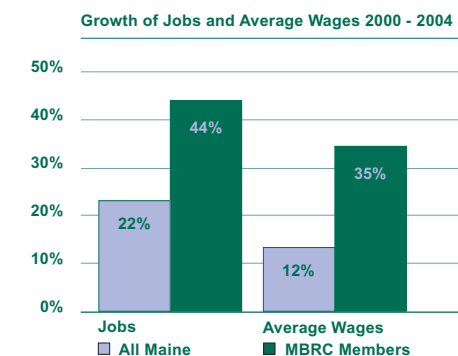


A MODERN MAINE ECONOMIC SUCCESS STORY

As the biomedical research sector grows, it stimulates further growth in the Maine economy and generates more tax receipts for state and local government. Total expenditures of MBRC members have more than doubled over the past four years. This means not just more jobs for member institutions, but more business for local suppliers and more incomes to help state and local governments meet local needs. Maine needs to do all it can to slow the loss of jobs in traditional industries. At the same time, Maine needs to invest in its future industries that offer job security, good wages, and a clean environment. Biomedical research is one of those industries. Thanks to the support of the Maine people and their elected officials, it is a modern Maine economic success story.

MAINE'S INVESTMENT MUST CONTINUE

Even excluding benefits, average weekly wages for the employees of coalition members in 2004 were \$961, fully 64% above the average for all Maine jobs, and even 33% above the average for Maine's manufacturing jobs. And these jobs aren't just for Ph.D.s. Maine's biomedical research laboratories hire people of all educational and skill levels — from high school graduates to post-doctoral students. Once hired, a worker is offered a career ladder for lifelong learning, greater responsibility, and higher pay. Maine state government has invested over \$42 million in



biomedical research since 2000. This investment has leveraged over \$275 million in federal and private grants. This is a return of more than \$6 for every \$1 invested by taxpayers. Once a laboratory is set up, and the scientists and staff are hired, the institution is in a position to get grants on an ongoing basis. Biomedical research has been and will continue to be a great investment for Maine taxpayers.