

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

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...

In 2003, a year when total employment in Maine fell overall, and when good-paying manufacturing jobs declined by 6.2%, Maine's biomedical research sector generated a 5.4% increase in local employment. In all, 130 new Maine jobs were created in the biomedical sector, and in businesses supported by that sector.

Even more impressively, the average salary plus benefits paid for biomedical research jobs grew by over \$3,000, to a level of \$57,885 per year. This is an increase of 5.7%, during a year in which personal income rose only 1% (from the 3rd quarter of 2002 to the third quarter of 2003, according to the Bureau of Economic Analysis).

Payments into state coffers from the people working within the biomedical sector increased by 19% in 2003, to a level of nearly \$10 million. In addition, biomedical workers and others supported by this sector paid nearly \$6 million in property taxes in 2003.

...AND BETTER HEALTH TOMORROW

2004 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.

2003 HIGHLIGHTS

Mount Desert Island Biological Laboratory

- ✓ Received a \$1.426 million NIH grant to provide electronic journal access to seven Maine institutions (MDIBL, The Jackson Laboratory, Bates, Bowdoin, and Colby colleges, College of the Atlantic, and University of Maine.)
- ✓ Submitted more than \$30 million in federal grants in 2003.
- ✓ Is actively recruiting two scientific groups and anticipates hiring by fall 2004.



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.
- ✓ Construction began on the Molecular Biophysics Institute, 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
Minority Leader
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
Majority Leader
D-Brunswick

THE INVESTMENT THAT KEEPS ON GIVING

In 2003, Maine lost 4,200 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. Last year, while Maine's economy continued to lose jobs, the biomedical research sector kept on growing. Maine's five research laboratories increased their employment by 63 jobs, or 4.5%.

The average pay and benefits for a job at a biomedical research laboratory in Maine is \$57,885. This grew by 5.7% last year (*while income statewide only increased by about 1%*).

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 postdoctoral students. Once hired, a worker is offered a career ladder for lifelong learning, greater responsibility, and higher pay.

Maine state government has invested over \$25 million in biomedical research in the past four years. This investment has leveraged over \$170 million in federal and private grants. **This is a return of \$6 for every \$1 invested by taxpayers.** Once a laboratory is set up, and the scientists and staff are hired, it is in a position to get grants on an ongoing basis. That is why biomedical research is the investment for Maine taxpayers that keeps on giving.

A MODERN MAINE ECONOMIC SUCCESS STORY

As the biomedical research sector grows, it generates more tax receipts for state government. Income and sales tax revenues from biomedical research employees, and those dependent upon their business, are estimated to have increased by almost 20% last year, and now approach \$10 million. These workers also paid about \$6 million in property taxes on their houses.

Maine needs to do all it can to slow down 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. The biomedical research sector 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

Despite current economic difficulties, the legislature must continue to invest in Maine's economic future. The federal government has made a major commitment to funding biomedical research by doubling the budget of the National Institutes of Health. Maine's biomedical research institutions are well positioned to increase Maine's share of these federal monies — but we must act now if we are to seize this unique opportunity.

