

**MESSAGE FROM THE PRESIDENT**

During the last legislative session, the Governor, Iowa legislators, and the University's business colleagues voiced their expectations that the University of Iowa will use all the tools at its disposal to assist in improving the state's economic condition. As one of the largest employers in the state, the UI has historically had a profound impact on the state's economy. Further, UI faculty, staff, and students garner hundreds of millions of dollars of external funding each year – \$353 million last year alone – which adds to the UI's economic impact.

Economic development is a natural byproduct of the normal, day-to-day activity of creative faculty, staff and students, and what attracts the most creative is the environment of open inquiry. The best way for the University to serve Iowa economically is to be the best university we can be, and then to remove barriers and create incentives to move the commercially viable discoveries quickly and smoothly to the appropriate private sector partners.

Based on the best practices of other campuses, based on the University's own experience, and based on constructive criticisms of faculty and staff, I will work with others on campus to increase incentives and decrease inhibitors to commercialization of our intellectual property as appropriate. We will redouble our efforts to enable and support new business development and retention in our state. We will do so without forsaking the obligatory ethics and principles of a public and publicly supported institution.

Funding from the Iowa Values Fund is an opportunity for the University of Iowa to utilize its research strengths to work cooperatively with the state of Iowa to promote economic growth. The most current plan for utilizing these funds is included in this newsletter.

President

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- ◆ University application to the Grow Iowa Values Board
- ◆ What are those University line-items in the state budget?

In our Next Issue

- ◆ Condition of the State Budget
- ◆ The Legislative Session Begins

Did you know...

... that *TIME* magazine placed The University of Iowa in an elite group of seven schools in the nation recognized in its "best school for you" category?

... that the University of Iowa Hospitals and Clinics ranks overall as one of "America's Best Hospitals" with ten of the hospital's specialties ranking among the nation's top 50 in an annual survey published by *U.S. News & World Report*?

...that *Fiske Guide to Colleges* listed the UI among 43 institutions that "offer remarkable education opportunities at a relatively modest cost" ?

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UI Application to the Grow Iowa Values Board

Biotechnology Incubation Center (BioTIC) and Center for Biocatalysis Upgrade (CBB/GMP)

The Iowa Values Fund created during the last legislative session has five main components: Business Development and Assistance, University Research and Development, Workforce Training, Quality of Life, and School Infrastructure. The goals of this fund are to help revitalize and improve Iowa's economy, create jobs, and improve the income level of Iowans.

This past October the Iowa Values Board approved \$10 million over two years for the University of Iowa (\$4 million), Iowa State University (\$4 million) and the University of Northern Iowa (\$2 million). In particular the University of Iowa will receive \$2.28 million to be utilized during the current fiscal year which began July 1, 2003, and the remaining \$1.72M in the fiscal year beginning July 1, 2004. This funding is separate and distinct from other funding received at the University, and it is solely dedicated to strengthening the partnership with the state of Iowa in implementing long-term strategies for economic growth.

Through the two proposed projects, the UI intends to utilize its strengths in the health sciences in order to accelerate new business creation, especially as it relates to human pharmaceutical development.

The most significant obstacle in the UI's ability to promote biotechnology business creation in recent years has been the absence of affordable laboratory space for lease by new startup companies. Accordingly, the UI has prepared preliminary estimates for the construction of biotechnology incubator laboratories on its Oakdale Research Park. These laboratories would be made available



to new startup businesses in our Technology Innovation Center (TIC), which provides space and support for the creation of new startups, hence the idea of a "BioTIC."

In addition, the UI intends to extend the contract production capacity of its already successful Center for Biocatalysis and Bio-



processing (CBB) so that active pharmaceutical ingredients can be prepared under the Good Manufacturing Practices (GMP) standards that are required by the U.S. Food and Drug Administration for clinical testing and are subsequent of candidate new medicines. Startup businesses occupying the new laboratories, as well as other Iowa startups, will be able to employ this facility in order to advance their products through clinical trials and into production.

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Please visit

<http://www.uiowa.edu/~govrel/sessionmaterials>

A website initiated by the Office of Governmental Relations to provide detailed information about The University of Iowa for the upcoming Legislative session.

EXPLANATION OF LINE ITEMS

UNIVERSITY HOSPITALS Iowa Indigent Care Program (ICCP)



The Indigent Patient Care Program enables each of Iowa's 99 counties to use their discretion to refer a predetermined

number of indigent patients for care at the UIHC at no cost to the county or the person. The number of individuals a county may refer is based on the county's population. These patients have access to comprehensive, high-quality care and to free transportation to and from the UIHC provided by the UIHC. Additionally, state institutions, such as the prisons and mental health institutes, are permitted to refer an unlimited number of patients to the UIHC for care at no cost to them.

The value of the services provided by the UIHC consistently exceeds the appropriation from the state. Additionally, the State of Iowa, through a unique relationship with the UIHC, is able to leverage the Indigent Patient Care Program appropriation to draw-down federal dollars that go back to the State.

PSYCHIATRIC HOSPITAL

The University of Iowa Psychiatric Hospital was established by the state legislature in 1919. Its purpose is to support the in-hospital care of all Iowans and to provide new methods for the diagnosis and treatment of psychiatric illness. State support also provides important resources for research into and treatment of psychiatric illness, as well as the education of new health care professionals. State funding supports both the provision of care and the operation of the Department of Psychiatry. As

community psychiatric care centers have been developing throughout the State, the Psychiatric Hospital has evolved into a comprehensive referral center for short-term acute psychiatric care in support of these community-based programs as well as the State's mental health institutions.

CENTER FOR DISABILITIES AND DEVELOPMENT

The Center for Disabilities and Development, the only resource of its kind in Iowa, improves the health, independence, productivity and full community participation of Iowans who have significant disabilities. These benefits are accomplished through the center's unique array of comprehensive medical and dental services, university coursework, research and other programs and resources.



The Center for Disabilities and Development provides state-of-the-art diagnostic, evaluation, and treatment services each year for thousands of Iowans with brain injury, cerebral palsy, developmental delay, spina bifida, mental retardation, swallowing and growth disorders, orthopaedic trauma, Down syndrome, self-injury and aggression, sleep disorders, cognitive and learning concerns, speech and hearing deficits, assistive technology needs, and a host of other complex, life-long disabilities.

By serving these individuals, providing consultation to community professionals, and improving Iowa's service systems, the Center helps Iowans with disabilities lead healthier, more productive lives.

OAKDALE RESEARCH CAMPUS

In recent decades, the Oakdale campus has evolved from a residential treatment facility for tuberculosis patients to a diversified complex devoted to research, development, and education. Among the programs located at Oakdale



are the Institute for Rural and Environmental Health, Iowa Geological Survey, Labor Center, Iowa Consortium for Substance Abuse Research and Evaluation, and Animal Care Research Facility.

Programs added in recent years include the Center for Advanced Drug Development, Center for Conferences and Institutes, Center for Health Effects of Environmental Contamination, Health Protection Office, Hydrosience & Engineering Research, Institute of Public Affairs, Iowa Center for the Book Paper-making Facility, Iowa Drug Information Service, National Resource Center for Family-Centered Practice, and the University Laundry.

Also located on the research campus are the Oakdale Research Park, the Technology Innovation Center, The University of Iowa Research Foundation, the Obermann Center for Advanced Studies, and the University Hygienic Laboratory.

UNIVERSITY OF IOWA HYGIENIC LABORATORY

The University of Iowa Hygienic Laboratory (UHL) was created in 1904 by the Iowa General Assembly and serves the citizens of Iowa as the "state public health and environmental laboratory." Over the past years, the Laboratory has provided diagnostic and epidemiological services for communicable diseases. In response to growing environmental concerns of Iowans, regulatory program needs and legislative initiatives, the Laboratory has broadened its analytical and service programs to address a wide range of environmental problems that may affect human health and quality of life in Iowa.

Newborns: The UHL tests every baby born in the state of Iowa to determine whether the babies might develop a preventable disorder.

Food: When there is a food-borne outbreak, the UHL tests the foods and patient specimens for mi-

crobial or chemical causes.

Air Quality: The UHL tests the air in the state and posts up-to-date air quality data on its web site so that individuals with asthma, emphysema or other breathing problems can make informed judgments about their risk.

Disease Tracking: During the influenza season, the UHL provides up-to-date, web-based information regarding the types of viruses that are circulating in Iowa. The UHL tests mosquitoes, ticks and animals for diseases transmissible to humans such as West Nile Virus and Lyme disease.

Drinking Water: The UHL tests the drinking water of numerous municipalities and of many citizens who have private wells.

Lakes and Rivers: The UHL tests Iowa's lakes and rivers for hazardous substances that might kill fish or aquatic species.

Radiation Emergency Response: UHL personnel participate in radiation emergency response teams, which respond if the nuclear power plant in Iowa or one of the nuclear power plants on Iowa's borders were to experience an accidental release.

Public Education: The Hygienic Laboratory provides a wide variety of outreach services to promote public education and awareness on environmental and public health issues.

Homeland Security: The UHL is a critical resource for the state of Iowa and the region for homeland security. Its Director serves on the Secretary of Health and Human Services' Council on Public Health Preparedness and is also the architect of the Centers for Disease Control and Prevention's Laboratory Response Network.



FAMILY PRACTICE PROGRAM

The Statewide Family Practice Training Program provides financial, educational, and technical support to a network of seven community-based residencies that train physicians in the specialty of family practice. The residencies are dispersed into regions of the state to help improve the geographic distribution of family practice graduates and physicians in general. The training programs are located

in Cedar Rapids, Davenport, Des Moines, Iowa City, Mason City, Sioux City, and Waterloo.

CHILD HEALTH CARE SERVICES

State funding for Child Health Care Services provides the core support for three programs of crucial importance: the Iowa High Risk Infant Follow-up Program, a community-based Comprehensive Cancer Program, and a Rural Hemophilia Program. Each of these programs provides essential services to support family-centered community-based care to children with special needs. The University of Iowa Hospitals and Clinics' staff provides evaluation and subsequent consultation to the community providers to support medical care of the child within the local community.



The Iowa High Risk Infant Follow-up Program is an early detection and educational service offered to families with babies who were ill as newborns and who required special care after their births.

The community-based Comprehensive Cancer Program provides care coordination for pediatric patients diagnosed or at risk for cancer.

The Rural Hemophilia Program was developed to provide comprehensive, community-based support, medical consultation and care coordination for children with hemophilia.

CENTER FOR BIOCATALYSIS AND BIOPROCESSING

Biocatalysis and bioprocessing technologies create high-value products from agricultural feedstocks, including pharmaceuticals, chemicals and nutrients. The Center for Biocatalysis and Bioprocessing serves as the primary contract research facility for biocatalysis and bioprocessing in the state of Iowa.

The Center provides state-of-the-art fermentation and bioprocessing facilities and space to:

- augment basic and applied research;
- serve as a magnet for attracting in state and out of state industrial collaboration; and;
- enhance the growth of biocatalysis and bioprocessing related to industry in Iowa.

ECONOMIC DEVELOPMENT

This line item is composed of three separate programs, each with distinct roles and missions, all contributing in unique ways to the University's efforts to utilize its strengths and capabilities to promote economic development for the state of Iowa.

The Oakdale Research Park and the Technology Innovation Center are designed to provide services and an infrastructure to support interaction with private business and facilitate new businesses based on research done at the University of Iowa.

The Center for Advanced Drug Development provides a unique capacity for assisting pharmaceutical firms to produce limited amounts of new medicines. This capability is especially important for use in clinical trials.



IOWA BIRTH DEFECTS REGISTRY

The Iowa Birth Defects Registry (IBDR) was established by the Iowa General Assembly (Chapter 23 of the Iowa Code) in 1983. At that time, a pilot surveillance program was begun in 23 Iowa counties and, in 1986, was expanded to all 99 Iowa counties.



The IBDR is the only active, birth defects surveillance program in the Midwest, and, through a combination of surveillance, research, education and outreach activities, serves families in all 99 Iowa counties.

The objectives of the IBDR are to maintain state-wide surveillance for birth defects and to monitor trends in birth defects occurrence and mortality.

IOWA CONSORTIUM FOR SUBSTANCE ABUSE RESEARCH AND EVALUATION

The Iowa Consortium for Substance Abuse Research and Evaluation (Consortium) is an alliance committed to strengthening substance abuse prevention and intervention activities through collaborative research.

The Consortium's Advisory Board is made up of representatives from the University of Iowa, the University of Northern Iowa, Iowa State University; state departments of Public Health, Corrections, and Drug Control Policy; and representatives from local substance abuse service agencies.

The Consortium coordinates research and knowledge transfer among researchers, assists professionals in the field, and informs public policy makers in the area of substance abuse.

PRIMARY HEALTH CARE INITIATIVE

There are five programs funded by this initiative: the Rural Physician Support Program; the Iowa Health Professions Inventory; the Integrated Health Professions Education Program; the Department of Family Medicine Predoctoral Teaching Program; and the Regional Medical Education Center Grant Program.

The Rural Physician Support Program provides temporary practice coverage for rural doctors who need leave for vacation, continuing education, or health reasons.

The Iowa Health Professions Inventory gives Iowa the only computerized health professions tracking system in the nation. The system enables the University to track the changing characteristics, supply, and distribution of Iowa's health professionals.

The Integrated Health Professions Education Program is a key source of interdisciplinary training experiences for other UI health professions students, who would otherwise have less exposure to other members of the health care team during formal education.



The Department of Family Medicine has used the Primary Care Initiative to expand the number of faculty positions devoted to the Department's Predoctoral Teaching Program. This enhancement of student teaching resources in the Department of Family Medicine ultimately affects the supply of family doctors in Iowa.

The Regional Medical Education Center Grant Program helps the University cover the logistical costs of having UI learners in community-based clinical settings. Medical, pharmacy, physician assistant, and other students are continuously rotating centers in Cedar Rapids, Davenport, Des Moines, Mason City, Sioux City, and Waterloo.

STATE OF IOWA CANCER REGISTRY

Cancer became a reportable disease in Iowa in April 1982. The Iowa Department of Public Health has delegated responsibility for cancer data collection to the Iowa Cancer Registry. The program objectives include:

- assembling and periodically reporting measurements of cancer incidence, survival and mortality among Iowans and providing these data to the National Cancer Institute (NCI);
- monitoring annual cancer incidence trends to identify unusual changes in cancer occurrence among various geographic or demographic subgroups;
- providing information on changes over time in the extent of disease at diagnosis, trends in therapy, and associated changes in patient survival; and
- promoting studies designed to identify factors relating to cancer prevention and control.