

North Dakota BRIN Participants

ND BRIN is a member of the North Dakota Experimental Program to Stimulate Competitive Research (EPSCoR) family of programs. Eleven educational institutions participate in the program.

Research Universities

- North Dakota State University, Fargo
- University of North Dakota, Grand Forks

Baccalaureate Institutions

- Dickinson State University
- Mayville State University
- Minot State University
- Valley City State University

Tribal Colleges

- Cankdeska Cikana Community College, Fort Totten
- Fort Berthold Community College, New Town
- Sitting Bull College, Fort Yates
- Turtle Mountain Community College, Belcourt
- United Tribes Technical College, Bismarck



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**National Center for
 Research Resources**
www.ncrr.nih.gov

North Dakota BRIN Staff

University of North Dakota

John Shabb, Ph.D., Director
 (701) 777-4946; jshabb@medicine.nodak.edu

Katherine Sukalski, Ph.D., Assistant Director
 (701) 777-4049; sukalski@medicine.nodak.edu

Kimberly Hansen, Administrative Assistant
 (701) 777-6376; khansen@medicine.nodak.edu

Patrick Miller, Public Information Professional
 (701) 777-6377; pmiller@medicine.nodak.edu

Judith Rieke, Electronic Resources Coordinator
 (701) 777-4129; jriek@medicine.nodak.edu

Kathryn Thomasson, Ph.D., UND Computational
 Chemistry and Biology Coordinator
 (701) 777-3199; kthomasson@chem.und.edu

Mark Guy, Ph.D., Tribal College Faculty Development
 Coordinator
 (701) 777-3139; mark_guy@und.nodak.edu

North Dakota State University

Mark Sheridan, Ph.D., North Dakota EPSCoR Director
 and ND BRIN Start-Up Core Director
 (701) 231-8400; Mark.Sheridan@ndsu.nodak.edu

Donald Schwert, Ph.D., Tribal College &
 Baccalaureate Science Core Director
 (701) 231-7496; Donald.Schwert@ndsu.nodak.edu

Stefan Balaz, Ph.D., NDSU Computational Chemistry
 and Biology Coordinator
 (701) 231-7749; Stefan.Balaz@ndsu.nodak.edu

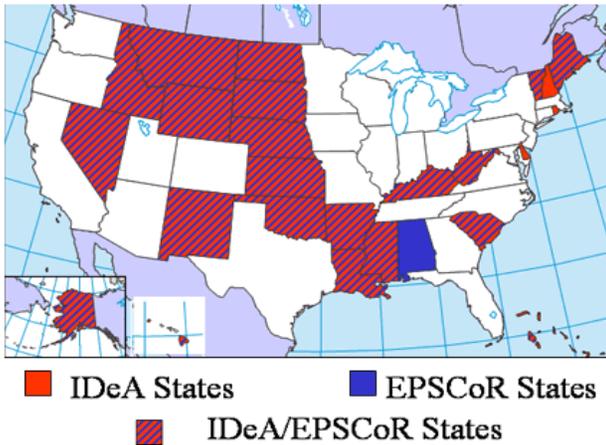
Michelle Stark, Administrative Assistant (NDSU
 programs) (701) 231-1049; m.stark@ndsu.nodak.edu

North Dakota BRIN

University of North Dakota
 School of Medicine and Health Sciences
 501 N. Columbia Road, P.O. Box 9037
 Grand Forks, ND 58203
 Phone: (701) 777-6376
 Fax: (701) 777-6372
 Web: medicine.nodak.edu/brin



***Building biomedical research
 capacity in North Dakota by
 serving the public universities
 and tribal colleges within the state***



Why a Biomedical Research Infrastructure Network (BRIN)?

The Institutional Development Award (IDeA) program was established in 1993 to broaden the geographic distribution of National Institutes of Health (NIH) funding for biomedical research by enhancing the competitiveness for research funding of institutions located in states in which the success rate for applications to NIH has historically been low. North Dakota is one of 23 states and Puerto Rico that, combined, receive only five percent of NIH funding. In October 2001, the University of North Dakota School of Medicine and Health Sciences received a three-year, \$6-million grant from the National Center for Research Resources (NCRR) of NIH to set up a Biomedical Research Infrastructure Network (BRIN) in North Dakota.

How BRIN Benefits North Dakota

Increased competitiveness for NIH funding, and increased research capacity in the rapidly expanding field of biomedical research will result in economic growth and jobs creation. This provides career opportunities within the state for students who seek advanced training in biomedical research.

North Dakota BRIN Objectives

The purpose of North Dakota BRIN is to develop an infrastructure that supports increased biomedical research in the state. In that context, infrastructure building focuses on hiring new scientists and enhancing training of the existing workforce. It also includes purchase of computer hardware and software, electronic databases and journals, research equipment, renovating labs and work space. The objectives of this capacity building are:

- Increasing the numbers of nationally competitive biomedical scientists at North Dakota's two research universities
- Increasing the number of science students from tribal colleges and baccalaureate institutions who continue on to careers in biomedical research.
- Assisting in the development of resources needed to support biomedical research.
- Working toward the development of sustainable biomedical research programs and facilities.



Judith Rieke, ND BRIN electronic resources coordinator, provided information about online resources during the North Dakota Academy of Science 2002 Annual Meeting.

Primary Program Areas

Start-Up

- Provides competitive recruitment packages to attract high-quality biomedical research faculty to NDSU and UND.

Bioinformatics

- Increases the access to electronic resources for biomedical research.
- Establishes a shared computational chemistry and biology network at UND and NDSU.

Tribal College

- Establishes Internet -based videoconference capabilities in science laboratories.
- Develops and adapts science curricula for delivery by videoconferencing between Tribal Colleges.

Baccalaureate Science

- Develops connections between baccalaureate science faculty and biomedical researchers at UND and NDSU.
- Establishes student-oriented research opportunities at baccalaureate institutions.

Education and Outreach

- Increases student awareness of and interest in biomedical research opportunities.
- Provides training opportunities for bioinformatics, grant writing and science curriculum development.
- Publicizes biomedical research activities and opportunities in North Dakota.

For more information, visit the North Dakota BRIN Web site at medicine.nodak.edu/brin or call (701) 777-6376.

