

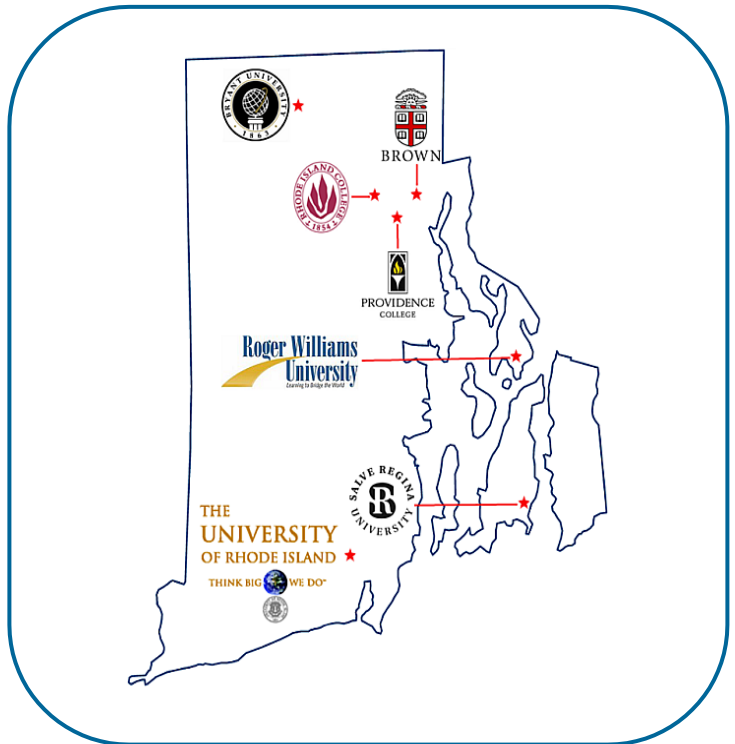


RHODE ISLAND

IDEA NETWORK FOR BIOMEDICAL RESEARCH EXCELLENCE



The mission of the **RI-INBRE** program is to build the biomedical research capacity of Rhode Island's institutions of higher education and to develop talented individuals committed to research careers. **RI-INBRE** has been supported by grants from the National Institutes of Health since 2001. Led by the **University of Rhode Island (URI)**, the program is housed at the College of Pharmacy. The partner institutions are: **Brown University, Bryant University, Providence College, Rhode Island College, Roger Williams University, and Salve Regina University.** The **Community College of Rhode Island** is the outreach institution for the network. The research foci of the present 5-year grant are: **Cancer, Neuroscience, and Molecular Toxicology.**



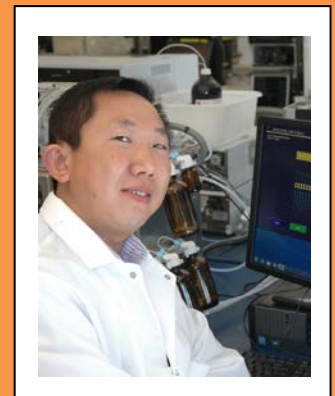
State-wide achievements since 2001....

- ~ \$61 million in grants from the National Institutes of Health for the RI-INBRE Program
- > 167 Faculty Research Projects supported
- > 1,500 Undergraduate and Graduate students, and Postdoctoral Fellows trained
- > \$54 million in External Grant Awards received by RI-INBRE Faculty
- > 1,400 Presentations at scientific conferences
- > 500 Scientific Articles published in peer-reviewed journals

Faculty Research Program - The primary goal of this program is to provide financial resource and mentoring for junior investigators as well as students and postdoctoral fellows at the seven institutions in the RI-INBRE network. The following funding mechanisms are available to potential investigators:

- Early Career Development Award
- Collaborative Proposal Development Award
- Pilot Proposal Development Award
- Summer Undergraduate Student Research Training Award

Successful Graduates – Investigators participating in this program have obtained > \$50 million in external grant awards including 15 R01, 2 R21, 2 R03, 7 R15, and 3 K awards from the National Institutes of Health. There were also 3 Research awards and 2 RUI awards from the National Science Foundation.



Dr. Deyu Li
Assistant Professor
College of Pharmacy, URI

Access to core facilities....



Centralized Research Core Facility

This facility contains ~ **\$4 million of state-of-the-art scientific equipment** required for biomedical, pharmaceutical, and biotechnological research. The facility staff provide research and training support to the users. This unique research resource is available to all RI-INBRE participants as well as the broader research community. It has significantly enhanced the competitiveness of biomedical researchers at Rhode Island's academic institutions.

Bioinformatics Core Facility

Bioinformatics, the analysis and interpretation of data, helps researchers understand and organize different types of data and identify patterns in the information. The Bioinformatics Core provides consultation to RI-INBRE investigators and students, along with access to pertinent software. The use of free and open source software applicable to bioinformatics is being encouraged and the Core is increasingly moving towards web-based tools. The Core also organizes seminars, training sessions, and workshops at participating institutions around the State.

Research Training Opportunities

RI-INBRE offers research opportunities to those considering a career in biomedical sciences. The goal is to create a pipeline for the next generation of scientists through:

- Academic Year Research Training
- Summer Undergraduate Research Fellowship (SURF) Program
- Bridges to Graduate School Program
- Teaching Postdoctoral Fellowship Program



Christina Nadolny, URI Doctoral Candidate

Navigating the pipeline...

Christina participated in research as part of the SURF program in the laboratory of one of the RI-INBRE faculty members while an undergraduate at Bryant University. She was accepted into URI's doctoral program in Pharmaceutical Sciences. RI-INBRE utilized its new Bridges to Graduate School summer program to help Christina get a jump start on her graduate research project in an RI-INBRE-supported laboratory.

Stay in touch with RI-INBRE.....

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