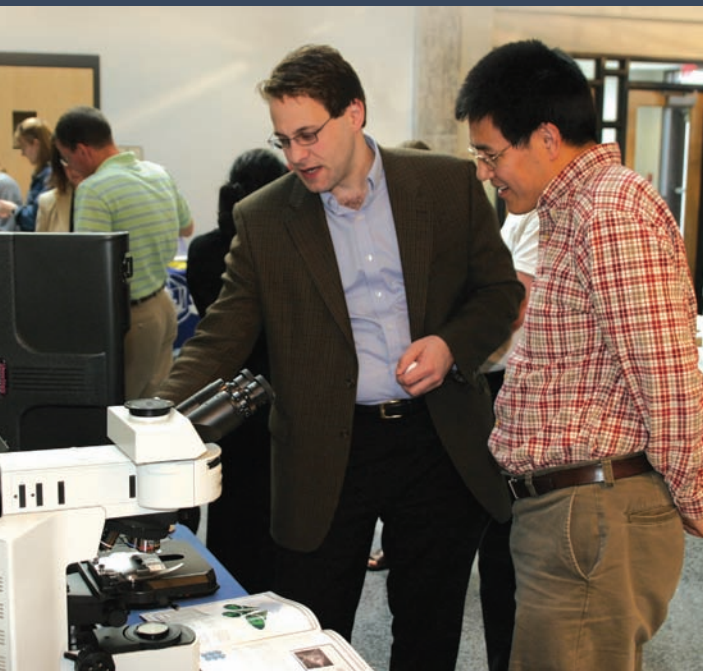


The Industrial Affiliates Program at the Virginia Bioinformatics Institute (VBI) supports the institute's mission to solve society's most important problems in life sciences and biomedicine through transdisciplinary research and education. The financial assistance provided by the companies that are associated with the program helps to support the groundbreaking transdisciplinary research underway at VBI. This research spans the four program areas of network dynamics and simulation science & policy informatics, cyberinfrastructure, biosystems, as well as medical informatics and systems.



About VBI

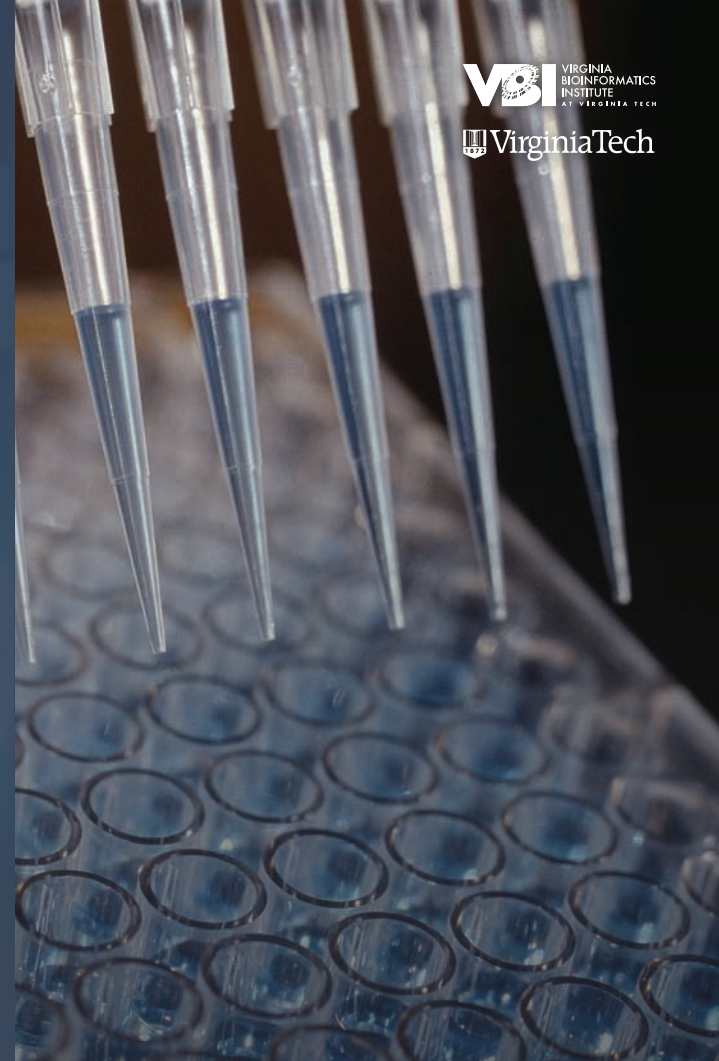
The Virginia Bioinformatics Institute (<http://www.vbi.vt.edu>) at Virginia Tech is a premier bioinformatics, computational biology, and systems biology research facility that uses transdisciplinary approaches to science combining information technology, biology, and medicine. These approaches are used to interpret and apply vast amounts of biological data generated from basic research to some of today's key challenges in the biomedical, environmental, and agricultural sciences. With more than 300 highly trained multidisciplinary, international personnel, research at the institute involves collaboration in diverse disciplines such as mathematics, computer science, biology, plant pathology, biochemistry, systems biology, statistics, economics, synthetic biology, and medicine. The large amounts of data generated by this approach are analyzed and interpreted to create new knowledge that is disseminated to the world's scientific, governmental, and wider communities.

For more
information

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The Industrial Affiliates Program of the Virginia Bioinformatics Institute

Bridging the gap
between industry
and university
research

Supporting the
education of the
next generation of
scientists

Helping to solve
some of society's
most important
problems in life
sciences and
biomedicine

The mission of the Virginia Bioinformatics Institute (VBI) is to solve society's most important problems in life sciences and biomedicine through transdisciplinary research and education.

Our vision is to be a world leader in transdisciplinary life sciences and biomedical research and education. In practice this means that VBI is committed to making transformative discoveries, solving important problems, developing the next generation of transdisciplinary researchers, influencing public policy, and transitioning scientific research into use.

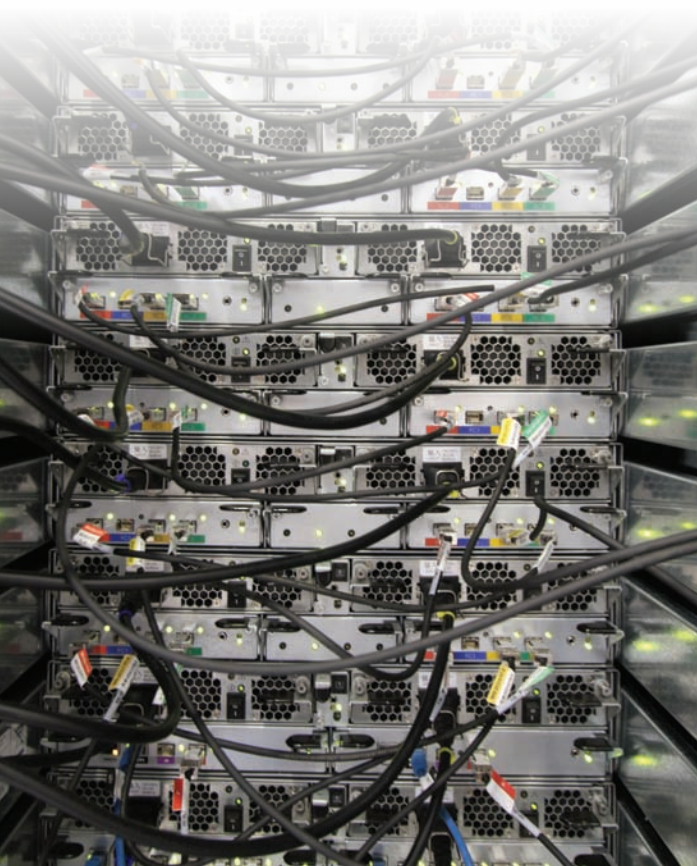
Programmatic Research Areas

Network dynamics and simulation science and policy informatics

Cyberinfrastructure

Biosystems

Medical informatics and systems



Levels of Sponsorship

Gold partner membership is an entry-level membership well suited for companies seeking to better understand how research at VBI can impact their business. This is achieved by early access to information, invitation to special events, and access to research projects at the institute. Benefits include:

- » **Research Advisory Panel.** Members may submit research suggestions to the Affiliates Advisory Panel, and attend the annual VBI Futures Roundtable.
 - » **Information access.** Non-proprietary copies of reports, papers, theses, and dissertations produced as a result of the VBI Program will be distributed to all requesting members free of charge.
 - » **Visiting bioinformatics program.** Members will be able to visit the VBI facility to learn and observe advanced technologies, instrument, and design techniques. Members may have access to our 189 seat state-of-the-art conference center to host speakers in accordance with the University's facility use policies.
 - » **Access to students.** Members will have the opportunity to interact with VBI students for purposes of research activities and recruitment.
 - » **Discussions with Faculty.** Members may participate in non-confidential discussions with faculty members relating to research activities under the VBI Program.
 - » **Seminars, Short Courses, and Meeting Space.** Members will be given priority and reduced pricing to seminar and short courses organized by VBI, and may access VBI meeting space in accordance with VT policy.
 - » **Product visibility.** VBI may be available as a test and reference site for member company products, on a case-by-case basis.
- and more . . .

Platinum partner membership is suited to companies seeking access to intellectual property generated by VBI faculty members. Benefits of this level of membership include all the benefits provided to gold partners, plus early licensing access to potentially patentable IP from VBI.

- » **Research Advisory Panel.** Platinum members will have a seat on the Affiliates Advisory Panel and be able to suggest the selection of annual VBI Program projects.
 - » **Graduate Student Support.** Platinum partner members are also given the option to earmark part of their membership fees to support a graduate student fellowship to explore a research area relevant to VBI's strategic plan. The work to be performed under the fellowship may be suggested by the Member, but must be acceptable by and consistent with the VBI Program.
 - » **Intellectual Property.** Platinum members may receive early access to confidential research information prior to public disclosure to enable internal decision-making regarding licensing opportunities.
- and more . . .

Gold partner: \$25,000 per year

Platinum partner: \$50,000 per year

VBI Research Faculty

Chris Barrett

Network dynamics and simulation science and public policy

Josep Bassaganya-Riera

Nutritional immunology, gastrointestinal health, Type 2 diabetes, cardiovascular disease and obesity

Allan Dickerman

Phylogenomics research, comparative and functional genomics

Stephen Eubank

Network dynamics and simulation science

Harold 'Skip' Garner

Applied computational biology; advanced instrumentation development; genetics, genomics and proteomics research that capitalizes on software findings and instrumentation capabilities

Ina Hoeschele

Genetic architecture of quantitative traits

Reinhard Laubenbacher

Applied discrete mathematics and modeling / simulation of biological systems

Chris Lawrence

Functional genomics of fungal-host interactions

Achla Marathe

Network dynamics and simulation science

Madhav Marathe

Network dynamics and simulation science

Pedro Mendes

Modeling and simulation of biochemical networks and systems biology research

Henning Mortveit

Network dynamics and simulation science

Biswarup Mukhopadhyay

Methanogenic archaea, coalbed methane and mycobacteria

Jean Peccoud

Artificial gene networks and synthetic biology

Andy Pereira

Plant responses to external stress

João Setubal

Bacterial genomics and bioinformatics

Bruno Sobral

Cyberinfrastructure, host-pathogen-environment interactions, alpha-proteobacteria and prokaryotic life inside eukaryotic cells

Brett Tyler

Genomic and bioinformatic analysis of Phytophthora-host interactions

Anil Vullikanti

Network dynamics and simulation science