

Our mission is to understand the process by which science is translated for public value, and accelerate this translation by engaging science and industry in interdisciplinary dialogue, scholarship, education, outreach, and service.

GET INVOLVED

As an interdisciplinary center at a business university, we reach out to innovators, academics, business leaders, and students through a wide range of programs and partnerships.

INNOVATORS | Innovator's Business Series

Learn what works in innovation from thought leaders in academia and industry (see details inside).

BUSINESS LEADERS | Partnerships & Collaborations

Adopt cutting-edge practices for translational science from the center's research for:

- Technology readiness assessment
- Investments in technology-based start-up, private, or public companies
- Technology transfer and development decisions
- Analysis of core technology and product portfolios
- Forecasts of development timelines, investments, and returns
- Strategic planning
- Project planning

STUDENTS | Workforce Preparation

To stay ahead in today's dynamic workplace, millennials must adapt and communicate across disciplines. Bentley's undergraduate, graduate, and executive education programs feature a fusion of business, arts, and sciences that prepares students with interdisciplinary skills and perspectives for innovation.



The Center for Integration of Science and Industry brings together academic faculty, industry leaders, and students in an interdisciplinary effort to improve the efficiency of translating scientific discoveries into public value. Drawing on broad academic scholarship and professional expertise, the center provides novel data analytics for technology assessment and thought leadership on business models for translational science and innovation.

Research
Intellectual Property
Scientific Capital
Technology
Applications

SCIENCE



INDUSTRY

Capital
Labor
Markets
Management
Development

To learn more about how you can join us, visit bentley.edu/sciindustry or contact the Center for Integration of Science and Industry

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BENTLEY UNIVERSITY CENTER FOR INTEGRATION OF SCIENCE AND INDUSTRY

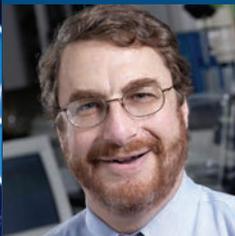
**ACCELERATING
THE TRANSLATION
OF SCIENTIFIC
DISCOVERIES FOR
PUBLIC VALUE**



**BENTLEY
UNIVERSITY**



THE TEAM



Fred Ledley MD

Director of the Center for Integration of Science and Industry, Professor in the Department of Natural & Applied Sciences, Management



Laura McNamee PhD

Research Associate, Adjunct Assistant Professor of Natural & Applied Sciences



Michael Walsh PhD

Fellow



Jennifer Beierlein PhD

Fellow, Adjunct Assistant Professor of Natural & Applied Sciences



Ekaterina Galkina Cleary PhD

Fellow

Executives in Residents:

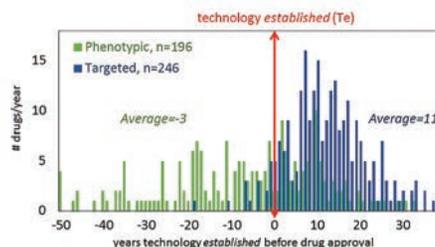
Michael Boss, PhD;
Nancy Hsiung, PhD;
R. Mark Adams, PhD;
Stephen Atkinson

INNOVATION IS A CHALLENGING BUSINESS.

Despite the many insights and inventions arising from basic science, the translation of these advances into public value has lagged. There is a critical need for business models that can more efficiently translate scientific discoveries into novel products, improved public health, sustainable practices, job growth, and economic gains. Our work integrates a deep understanding of science, technology, business, and public policy to improve the efficiency of this process.

NOVEL INSIGHTS AND SOLUTIONS

The Center's research is aimed at advancing translational science by integrating an understanding of scientific and technological innovation with the dynamics of product development, business strategy, and value creation. Our work combines expert experience with data-driven analyses based on our novel TIME™ model for maturation of biomedical sciences and machine learning. We promote effective strategies for translational science and business innovation and identify critical synergies between science and industry through our analytical models of markets, environmental impacts, and value creation.



Visit our website at www.bentley.edu/sciindustry for more information on our research, events, personnel, and ways that our insights can advance your goals.

INNOVATOR'S BUSINESS SERIES

The Innovator's Business Series features talks and informal discussions with thought leaders from academia and industry focused on best practices in translational science. Recent speakers include: Governor Michael Dukakis, Robert Anderson, Robert Kamen, Robert Coughlin, Sandra L. Fenwick, Donald M. Berwick, Joshua Boger, Susan Windham-Bannister, Nicholas Donofrio, and Deborah Dunshire.

BENTLEY UNIVERSITY

Bentley University is one of the nation's leading business schools, dedicated to preparing a new kind of business leader by infusing business scholarship and teaching with science, technology, and the liberal arts.

RECENT PUBLICATIONS

Walsh, MJ, et al. Algal food and fuel coproduction can mitigate greenhouse gas emissions while improving land and water-use efficiency. *Environmental Research Letters* 11:114006

McNamee, LM & Ledley, FD. What does the current biotech stock market value? *Nature biotechnology* 11:813

Beierlein, JM, et al. Patterns of innovation in Alzheimer's disease drug development: a strategic assessment based on technological maturity. *Clinical therapeutics* 37:1643

Ledley, FD, et al. Why commercialization of gene therapy stalled; examining the life cycles of gene therapy technologies. *Gene therapy* 21:188

McNamee, LM & Ledley, FD. Making the biotech IPO work. *Nature biotechnology* 31:969

McNamee, LM & Ledley, FD. Patterns of technological innovation in biotech. *Nature biotechnology* 30:937