

LifeScience Klaster w Krakowie zaprasza na warsztaty poświęcone zarządzaniu projektami innowacyjnymi na ich wczesnym etapie rozwoju:

## The Early Stage Life Science Invention

### “Make Use Of Good Practices And Look Onwards”

The speaker: Robert Bolla (USA)

14 maja 2012 r. godz. 10.00-15.00

Sala Rady Wydziału Rolniczo-Ekonomicznego UR, Uniwersytet Rolniczy, Al. A. Mickiewicza 21

Temat i forma warsztatów adresowane są do osób zajmujących się innowacjami z perspektywy pracy naukowej (w tym studentów), komercjalizacji i transferu technologii, jak również dla przedstawicieli sektora biznesowego i funduszy załączkowych dedykowanych wysokim technologiom.

Program warsztatów:

- a) The invention and the need to look early at whether what the scientist is doing is something that could lead to a patent or not
- b) The disclosure and what that means to the actors involved
- c) The idea of commercialization via license, sale, or new business start up and what this requires incl. word about IP protection
- d) The need for financing and well developed business plan if starting a new business.
- e) Working with corporations on research and sharing the invention.

Warsztaty będą miały charakter interaktywnej dyskusji prowadzonej przez dr. Roberta Bolla, eksperta posiadającego wieloletnie doświadczenie i praktykę w zakresie komercjalizacji oraz tworzenia „start-ups” w obszarze life science.

Warsztaty są bezpłatne. Liczba miejsc jest ograniczona. Decyduje kolejność zapisów.

Język warsztatów: angielski

[Formularz zapisu](#)

**Robert I. Bolla, Ph.D.**

Dr. Robert Bolla received a B.A. in biology from SUNY at Buffalo and an MS and Ph.D. in zoology with a concentration in genetics, biochemistry and molecular biology of parasites from the University of Massachusetts at Amherst. Following a post doctoral in the laboratory of Dr. Paul Weinstein at Notre Dame University, he was a research fellow in the Department of Biochemistry at the Roche Institute of Molecular Biology. In 1976 Dr. Bolla took a position as assistant professor of biology at the University of Missouri St. Louis. He was promoted to associate professor in 1982 and to professor of biology in 1987. From 1982-1986 he held a joint appointment as visiting professor of microbiology in the Department of Microbiology and Immunology at Washington University Medical School, St. Louis. In 1988, Dr. Bolla was selected as a distinguished foreign scientist for his nationally recognized expertise in the study of pinewood nematode induced pine wilt disease by the Japan Society for the Promotion of Science and was selected to do research in the Forestry and Forest Products Institute in Tsukuba, Japan. In 1989, Dr. Bolla was hired as chair the Department of Biology at St. Louis University where he held a joint appointment in the Department of Molecular Microbiology at the St. Louis University Medical School and an adjunct appointment as a researcher at the Missouri Botanical Garden. During his academic career Dr. Bolla has taught graduate and undergraduate courses in parasitology, biochemistry and molecular biology and the molecular biology and biochemistry of aging and has mentored MS degree students and Ph.D. students. Dr. Bolla's research has focused on the molecular biology, genetics and biochemistry of host parasite interactions with an emphasis in plant parasitic nematodes. This work has been funded by grants from the USDA, the United Soybean Board, and the Missouri Soybean Merchandising Council. He has published in excess of 90 papers in peer-reviewed journals and has several invited publications. In addition Dr. Bolla has presented papers at national and international professional meetings.

During his tenure at St. Louis University Dr. Bolla led the Biology Department through curricular changes and in development of new courses to expand the educational opportunities available to undergraduate and graduate students. He led the reshaping and reinvigoration of the graduate program in biology. He established new and innovative course work in biology required for the Biomedical Engineering program at SLU and developed a lecture/laboratory experience for students majoring in elementary education to enhance their interest in and ability to teach science. He was responsible for acquiring funding for renovation of the Biology Department facilities to include a laboratory for molecular biology and genetics, a laboratory for ecological research, several research laboratories and a greenhouse. Funding for these projects came from private foundations and donors and from NSF. Dr. Bolla served on several university committees including the college the tenure and promotion committee. In addition he chair search committees for chair searches in Earth and Atmospheric Science and in Psychology. He also chaired the departmental review committee in Earth and Atmospheric Science. Dr. Bolla was SLU's representative to the St. Louis biotech initiative and was part of the technology gateway. He was also involved in the BioBelt project

In 2002 Dr. Bolla joined Youngstown State University as Dean of the College of Arts and Sciences. During his tenure as Dean, Dr. Bolla had fiduciary responsibility for 189 full time faculty plus nearly 200 part time faculty members in 16 departments and 8 programs. He also was responsible for a student advising unit of 6 staff members and for the YSU segment of the 6 year Medical Program with the North East Ohio University College of Medicine. In addition Dr. Bolla was responsible for faculty development. Budget responsibilities included a faculty development budget, program budgets and the operational budget of the college of Arts and Science. He oversaw student enrollment, retention, diversity, and partnership. He participated in developing a long-range and strategic plan for the college. In addition he chaired the establishment of Youngstown Early College High School.

Dr. Bolla joined Bradley University in 2005 as Dean of the Graduate School and Associate Provost for Research. In this position Dr. Bolla was responsible for the operations of the graduate school and for promoting grant writing and assisting faculty in their grant writing efforts. The Office of Faculty Development and Teaching Enhancement reported to Dr. Bolla as well. His responsibilities included service to Peoria NEXT, and economic development engine and the Peoria NEXT Innovation Center, a high technology business start-up incubator. In addition Dr. Bolla was responsible for Bradley University intellectual property and was PI on a Partnership for Innovation grant from NSF. He received funding from the Council of Graduate Schools to develop a program in responsible conduct of research in collaboration with Rockhurst University and was a Co-PI on a funded NSF STEP grant. During his tenure in the graduate school Dr. Bolla redesigned the organization and direction of the graduate school office, led the development of new programs, and developed policies to maintain quality control on the graduate program. Dr. Bolla developed research and development and student internships contracts with Caterpillar, INC. and wrote research contracts with several companies seeking assistance in research from Bradley faculty. Since Dr. Bolla has joined Bradley he has worked with faculty in engineering, chemistry, English, Computer Science and education in the filing of 11 patents and 4 copyrights.

In 2008, upon resignation of the Provost, Dr. Bolla assumed the responsibilities as Interim Provost and Vice President for Academic Affairs. In this position he has assisted faculty in development of new programs in Sports Communication, Quantitative Finance, Biochemistry, Chemistry, Biology, and nursing; several of these as 3+2 programs in which students can complete a bachelors and Masters degree in 5 years. He also has assisted faculty in the establishment of the Inland Center for the Arts and a STEM education and research center. As Provost his reporting units include Information Technology and the Library, the Registrar, Continuing Education, Assessment and University Research, Institute for Principled Leadership, and the Colleges of Engineering, Liberal Arts and Science, Communication and Fine Arts, Education and Health Science, Business and Administration and the Graduate School. He has been involved with accreditation of the undergraduate and graduate program in Nursing, the graduate program in Nurse Anesthesiology; ABET accreditation of the College of Engineering and Technology and the recent Higher Learning Commission/North Central accreditation of the University. He hired a chair for the Department of Industrial and Manufacturing Engineering and the founding director of the Pre Law Center.

With the hiring of a permanent provost in 2010 Dr. Bolla returned to his position as Associate Provost for Research and Dean of the Graduate School. In this position Dr. Bolla's direct reports include Sponsored Programs and the Office of Teaching Excellence and Faculty Development in addition to the Graduate School with in excess of 40 graduate degree and certificate programs including the doctorate in Physical Therapy.

During his academic career Dr. Bolla was an external reviewer of the Department of Biology at Union College and the Department of Biology at the University of Alabama-Huntsville and was a member of a North Central Accreditation team for Salem Teiko University in the U. S. and in Japan. In addition he has been actively involved in several professional societies serving on the Board of Governors of the European Society of Nematologists, as editor for the Japanese Society of Nematology and as President of the Society of Nematologists. While Dean of Arts and Science, Dr. Bolla was actively involved with the Council of Colleges of Arts and Sciences particularly focusing on issues for urban universities and has actively participated in the Council of Graduate Schools. He is a member of the American Microbiology Society, AAAS, ONTA (Organization of Nematologists of Tropical America), the Society of Nematologists, the Japan Society of Nematologists, the Russian Society of Nematologists, the Council of Graduate Schools, NCURA, Federal Demonstration Partnership, Society of Research Administrators. Recently he has made presentations to the Council of Graduate Schools annual meetings on Responsible Conduct of Research and on management of graduate schools in Masters Comprehensive Universities. In addition he has taught sessions at regional meeting of the Society of Research Administrators on Responsible Conduct of Research and on Issues on Intellectual Property Protection. He teaches courses in the Osher Institute for Life Long Learning at Bradley University.

Dr. Bolla was a member of the Board of Directors of the Institute of Physical and Rehabilitation Medicine and serves on both the Finance and the Strategic Planning Committee. He also is a member of the IPMR Foundation Board. Dr. Bolla is certified as a College Swimming Official.

In addition to his academic career, Dr. Bolla is a founding partner of two agricultural technology companies, NFD-LLC and Shovler-LLC located in Missouri. He and his partners have divested themselves of these companies at this time and he is involved in another start-up effort focused on microbial remediation technology. He currently serves on the scientific advisory board for a biotech based medical device start-up, XCellcure, in St. Louis. He is engaged in assisting XCellcure find first stage funding.

Dr. Bolla is currently retired and self-employed. He continues to manage the patent portfolio for Bradley University and is involved in technology transfer of patented technology for Bradley. In addition he has developed "Tin Duck Consulting" focused on consulting on commercialization of university developed technology and higher education particularly as related to graduate education. He also is developing "Tin Duck Studios, LLC", a photo art company.

With sponsorship from and invitation of the U.S. Embassy and the USDA in Warsaw, Poland, Dr. Bolla presented a paper entitled American Scientist: From Benchtop to Start-up Business at the IV Congress of Polish Technology and IV Eurobiotech: Four Colors of Biotechnology, Central European Congress of Life Sciences in Krakow Poland, October 2011. Dr. Bolla presented a paper entitled From Benchtop to Start-up Business: An adventure at the Polish Academy of Sciences in Poznan, Poland. Dr. Bolla has been invited to continue to work with the Krakow Group on new business start-up.

Dr. Bolla also has reviewed graduate education at Western Missouri State University at the request of the Council of Graduate Schools.