

LOKESH JOSHI, PhD
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1. CURRENT POSITION (S)

Stokes Professor of Glycosciences
 Founder, Aquila Bioscience Ltd.
 University of Galway
 IRELAND

2. ACADEMIC QUALIFICATION AND TRAINING

- 1997-2000** **Research Associate Scientist**, Boyce Thompson Institute, Cornell University, Ithaca, New York, USA
- 1994-1997** **Post-Doctoral Fellow**, Department of Entomology and Boyce Thompson Institute, Cornell University, Ithaca, New York, USA
- 1990-1994** **Doctor of Philosophy (PhD)**
 Microbial Pathology, Department of Biology and Biochemistry
 University of Bath, Bath, United Kingdom
- 1987-1989** **Masters in Zoology (Gold Medal)**
 Rajasthan University, Jaipur, India

3. ACADEMIC LEADERSHIP

- Jan-Dec 2025** **Vice-President for Research and Innovation**, University of Galway, Leading University wide Research, Innovation and Entrepreneurial activities. Supporting over €100m competitive funding per annum, start-ups and intellectual property strategy for the University.
- 2013-2021** **Vice-President for Research and Innovation**, University of Galway, Responsible for leading University of Galway's Research, Innovation and Enterprise Strategy and its implementation. Led over €700m competitive funding from National and International (including European Union) funding for University's research activities.
- 2015- 2020** **Co-Principal Investigator**, CÚRAM. Cúram is a €40 million Science Foundation Ireland Funded Research Centre focusing on medical devices and technologies with strong support from the industry.
- 2009- 2014** **Director**, €5.2 million SFI-funded Strategic Research Cluster - Alimentary Glycoscience Research Cluster (AGRC). A multi-disciplinary and multi-institutional research team exploring the gut-microbial interactions.
- 2009- 2012** **Coordinator**, Led an international research consortium (GlycoHIT) funded with €3.0m from EU to develop the next generation of technologies for the diagnosis of cancer glycobiomarkers.

2008- 2011	Associate Director , Centre for BioAnalytical Sciences funded with €10m by Bristol Myers-Squibb and Industrial Development Agency (IDA) Ireland for recombinant protein therapeutic engineering.
2008-Date	Stokes Professor of Glycosciences, University of Galway, Ireland
2005-2007	Director , Center for Glycosciences and Technology, Biodesign Institute, Arizona State University (ASU), Tempe, Arizona, USA
2003-2008	Associate Professor , Harrington Department of Biomedical Engineering, ASU, Tempe, Arizona, USA
2000-2003	Research Assistant Professor , Department of Plant Biology, ASU, Arizona, USA

4. EXPERIENCE & ACHIEVEMENTS

2012 – Present	Founder, <u>Aquila Bioscience</u> , University spin-off company funded by the European Union programs, the European Defence Agency (EDA), European Innovation Council (EIC) and European Space Agency (ESA). Aquila Bioscience is developing innovative technologies for pathogen decontamination, including BioThreat Agents and BioToxins from surfaces. Aquila collaborates with several European Defence Forces. Collaboration with ESA for the protection of astronauts from pathogenic event during space travel.
2019-Present	Invited Faculty on Biological Threat Agent Awareness, <u>NATO Officers School, Oberammergau</u> , Germany
2019-Present	Founding Member and Advisor, <u>ENLIGHT European University Consortium</u> . ENLIGHT is composed of nine European universities from nine countries for student and researcher exchange.
2013-21	Ireland's National Representative to <u>Research and Innovation Strategy Group, European University Association (EUA)</u> : a high-level panel composed of Rector and Vice-Rector nominees of EU nations focusing on matters related to the future of Research and Innovation in over 850 European Universities
2014- 2020	Academic Lead, BlackStone LaunchPad . Leading BlackStone Foundation (NY, USA) funded programme for undergraduate entrepreneurship, accessible to all students.
2003-2006	Co-founder and Chief Scientific Officer of Arizona Engineered Therapeutics (AzERx) (2003), a university spin-off biotechnology company focused on developing peptide-based therapeutics for vasorelaxation. AzERx was funded by NIH private venture funds.
2020 - Present	International Advisory Board and Reviewer – R&D&I activities in European universities.
2000-Present	Mentored 24 post-graduate students, 25 post-doctoral fellows, 4 MD researchers and over 50 undergraduate researchers.

Published over 170 peer-reviewed articles. Google Scholar H-Index 56