

**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**, [Aquila Bioscience](#), 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**, [NATO Officers School, Oberammergau](#), Germany
- 2019-Present**     **Founding Member and Advisor**, [ENLIGHT European University Consortium](#). ENLIGHT is composed of nine European universities from nine countries for student and researcher exchange.
- 2013-21**             **Ireland's National Representative** to [Research and Innovation Strategy Group](#), [European University Association \(EUA\)](#); 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**