AMINA ANN QUTUB

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EDUCATION

University of California, Berkeley and San Francisco	Ph.D., Bioengineering
Rice University, Houston, TX	B.S., Chemical Engineering

EXPERIENCE

RESEARCH

2018–present **University of Texas, San Antonio**   **San Antonio, TX**
Associate Professor, Department of Biomedical Engineering
2023-present   Assistant Director, Strategic Partnerships, MATRIX AI Consortium
2023-present   Director, UTSA-UT Health Sciences Graduate Group in Biomedical Engineering
2022-present   Burzik Professor in Engineering Design
2021-present   Research Thrust Lead, MATRIX Artificial Intelligence Consortium

2010–2019 **Baylor College of Medicine**   **Houston, TX**
Adjunct Assistant Professor, Dept Molecular Physiology and Biophysics

2009–2018 **Rice University**   **Houston, TX**
Assistant Professor, Department of Bioengineering

2004–2009 **Johns Hopkins University, School of Medicine**   **Baltimore, MD**
Postdoctoral Fellow, Department of Biomedical Engineering

2000–2004 **UCSF Department of Biopharmaceutical Sciences**   **San Francisco, CA**
Graduate Researcher

SCIENTIFIC LEADERSHIP

2018-present **The Quantu Project for Brain Health**
Director

2017-present **Texas Medical Center Biomedical Data Workshops**   **Houston, TX**
Co-Founder and Organizer   **San Antonio, TX**

2018-2020 **NASA GeneLab**   **Mountain View, CA**
Steering Committee Member

2016-2017 **National Academies of Engineering, Science & Medicine Rabat, Morocco**
Arab-American Frontiers Symposia Chair & Organizing Committee

2014–2015 **International DREAM 9 Biomedical Data Challenge**
Acute Myeloid Leukemia Prediction Outcome Prediction Challenge Lead

BUSINESS LEADERSHIP

2024-present	**PaloBio**	**Palo Alto, CA**
	Co-Founder and Chief Scientific Officer	
2022	**Rarebase (now Transcripta Bio)**	**Palo Alto, CA**
	Vice President of Computational Biology	
2014–2022	**DiBS (dibsvis.com)**	**Houston, TX**
	Co-Founder, President, Texas Medical Center Innovation (TMCx) start-up	
2008	**New Enterprise Associates**	**Chevy Chase, MD**
	Intern, Healthcare Investing Team	
2007–2008	**Leadership & Management in the Life Sciences**	**Baltimore, MD**
	Carey Business School, Johns Hopkins University	
2005–2006	**Foundation for International Medical Relief of Children**	**Washington, D.C.**
	Vice-President for Administration, Director of Corporate Partnerships	

AWARDS & HONORS

2022	The Health Cell "State of the Industry" Keynote and Honoree
2021	American Institute for Medical and Biological Engineering Fellow
2021	World Laureates Symposium, Young Scientist Forum Invitee
2020	National Academy of Engineering Call-to-Action on COVID-19 Team Lead
2014–2019	National Academies Frontiers of Engineering Symposia, Participant/Speaker
	Arab-American Frontiers of Science, Engineering & Medicine, Cairo, Egypt
	Arab-American Frontiers of Science, Engineering & Medicine, Abu Dhabi, UAE
	China-America Frontiers of Engineering, Irvine, CA
	Indo-American Frontiers of Engineering, Mysore, India
2012–2017	National Science Foundation CAREER Award
2017	Bioinformatics Peer Prize Winner
2015, 2011	Hamill Innovation Award, Institute of Biosciences and Bioengineering, Rice
2014	The Academy of Medicine, Engineering & Science of Texas Protégé
2013	The DREAM Challenge (dreamchallenges.org) Data Visualization Winner
2011–2013	National Academies Keck Future Initiatives Grant Award
2006–2009	Ruth L. Kirschstein National Service Research Award
2007–2008	Johns Hopkins Leadership & Management in the Life Sciences Program Scholarship
2000–2004	Whitaker Bioengineering Research Fellowship

PRESENTATIONS, PUBLICATIONS & FUNDING

> 150 Invited Talks, 14 Invited Keynotes

> 55 Peer-Reviewed Publications in Precision Medicine, AI and Systems Biology

34 Grants & Gifts for Research across Federal, Foundation & Corporate Sources (2010-2025)

Media Interviews: *Discovery News, Texas Public Radio, Xconomy, TEDx, PwC, KHOU, Physics World, Voice of America, Health Data Management, BioTechniques*