

# AMINA ANN QUTUB

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## EDUCATION

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

## EXPERIENCE

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### RESEARCH

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<b>2018–present</b>	<b>University of Texas, San Antonio</b>	<b>San Antonio, TX</b>
	Associate Professor, Department of Biomedical Engineering	
2021-present	Director, UTSA-UT Health Sciences Graduate Group in Biomedical Engineering	
2021-present	Research Thrust Lead, MATRIX Artificial Intelligence Consortium	
<b>2010–2019</b>	<b>Baylor College of Medicine</b>	<b>Houston, TX</b>
	Adjunct Assistant Professor, Dept Molecular Physiology and Biophysics	
<b>2009–2018</b>	<b>Rice University</b>	<b>Houston, TX</b>
	Assistant Professor, Department of Bioengineering	
<b>2004–2009</b>	<b>Johns Hopkins University, School of Medicine</b>	<b>Baltimore, MD</b>
	Postdoctoral Fellow, Department of Biomedical Engineering	
<b>2000–2004</b>	<b>UCSF Department of Biopharmaceutical Sciences</b>	<b>San Francisco, CA</b>
	Graduate Researcher	

### SCIENTIFIC LEADERSHIP

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<b>2018-present</b>	<b>The Quantu Project for Brain Health (quantuproject.org)</b>	
	Director	
<b>2017-present</b>	<b>Texas Medical Center Biomedical Data Workshops</b>	<b>Houston, TX</b>
	Co-Founder and Organizer	<b>San Antonio, TX</b>
<b>2018-2020</b>	<b>NASA GeneLab (genelab.nasa.gov)</b>	<b>Mountain View, CA</b>
	Steering Committee Member	
<b>2016-2017</b>	<b>National Academies of Engineering, Science &amp; Medicine Rabat, Morocco</b>	
	Arab-American Frontiers Symposia Chair & Organizing Committee	
<b>2014–2015</b>	<b>International DREAM 9 Biomedical Data Challenge</b>	
	Acute Myeloid Leukemia Prediction Outcome Prediction Challenge Lead	

## BUSINESS

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<b>2014–present</b>	<b>DiBS (dibsvis.com)</b> Co-Founder and President Texas Medical Center Innovation (TMCx) Inaugural Class	<b>Houston, TX</b>
<b>2008</b>	<b>New Enterprise Associates</b> Intern, Healthcare Investing Team	<b>Chevy Chase, MD</b>
<b>2007–2008</b>	<b>Leadership &amp; Management in the Life Sciences</b> Carey Business School, Johns Hopkins University	<b>Baltimore, MD</b>
<b>2005–2006</b>	<b>Foundation for International Medical Relief of Children</b> Vice-President for Administration, Director of Corporate Partnerships	<b>Washington, D.C.</b>
<b>Other Training:</b>	CITI Human Subjects Training Languages: English, native; French, reading proficiency	
<b>Programming:</b>	Python, JavaScript, Matlab, Java	

## AWARDS & HONORS

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

## PRESENTATIONS, PUBLICATIONS & FUNDING

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> 130 Invited Talks, 13 Invited Keynotes

> 50 Peer-Reviewed Publications in Systems Biology, Data Science & Precision Medicine

22 Grants & Gifts for Research across Federal, Foundation & Corporate Sources (2010-2021)

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