Search for the Dean, School of Technology for Public Health
Arizona State University
Tempe, Arizona

Arizona State University (ASU) invites inquiries, applications, and nominations for the role of inaugural Dean of the School of Technology for Public Health, a first-in-the-nation school shaping an emerging and critically important field that harnesses the power of technology to address pressing public health challenges and opportunities at the local, national, and global levels.

This is a tremendous opportunity for an academic entrepreneur to drive transformational change and the future of public health by establishing a revolutionary new school at one of the nation's most innovative universities. The COVID-19 pandemic exposed significant deficiencies in the nation's public health infrastructure and coordination challenges between federal, state, and local agencies and other stakeholders in the pandemic response. Recognizing these key issues, the new School of Technology for Public Health aims to create a new and rapidly evolving space for the integration of modern technology, data-driven decision-making, and a significant focus on local impact within public health, as well as to contribute to a technologically sophisticated workforce that will power the field of public health into the future through educational, research, and entrepreneurship opportunities. The effective and innovative application of technologies and tools—including artificial intelligence, machine learning, electronic health platforms, sensors, and disease surveillance systems—in a public health setting will drastically impact the space, offering new opportunities to address sociocultural determinants of health at scale and ultimately reducing health disparities to promote better outcomes for all.

Expected to welcome its first class of students in 2025, the School of Technology for Public Health will be a cornerstone of ASU Health, the University's new healthcare enterprise. Headquartered in downtown Phoenix, ASU Health is a learning health ecosystem using innovation and technology to improve the lives and health outcomes of Arizonans and beyond. Arizona has one of the most severe hospital and healthcare worker shortages in the United States, with more than one in three hospitals in the state facing critical staffing shortages. Arizona also ranks near or in the bottom quartile of many health system performance indicators. ASU Health takes a bold and creative approach to addressing these challenges through solutions focused on prevention, coordination of public health and community healthcare, and by leveraging the multifaceted strengths of the University to recruit, develop, and train a professional workforce prepared to improve health outcomes in Arizona, nationally, and globally.

In support of this ambitious goal, the School of Technology for Public Health will bring together experts and partners from across the public health ecosystem – learners, researchers, local and national public health experts, technology experts, community partners, and others – an interdisciplinary,

interorganizational group of people to define and design new directions and solutions in public health. Reporting jointly to ASU's Provost / Executive Vice President and the Executive Vice President of ASU Health, the Dean will be a critical early hire for ASU Health and must be a visionary, dynamic, and creative builder who can turn these bold plans into reality while operating in alignment with the University's Charter.

To be successful, the Dean will address key opportunities, listed below and outlined in detail on pages 5 - 7 of this document:

- Develop and implement a visionary strategy positioning the School of Technology for Public Health as the leader in this new field;
- Establish and strengthen partnerships and collaborations with a variety of organizations and stakeholders;
- Launch cutting-edge academic, research, and entrepreneurship programs;
- Foster an inclusive and innovative environment for faculty, staff, and students; and
- Champion and communicate the School's early successes and clearly articulate its role in the region and well beyond.

A list of the desired qualifications and characteristics of the new Dean can be found at the conclusion of this document, which was prepared by the Search Advisory Committee with the assistance of Isaacson, Miller, a national executive search firm. This document provides background information and details the key opportunities and challenges related to the position. All confidential applications, inquiries, and nominations should be directed to the parties listed on page 9 of this document.

THE CONTEXT: ABOUT ARIZONA STATE UNIVERSITY

ASU will welcome a record number of over 177,000 undergraduate and graduate students in the 2023-24 academic year, with nearly 80,000 joining on one of ASU's campuses and locations, and more than 95,000 enrolled online - demonstrating the University's commitment to educational access and providing world-class education at scale. ASU's diverse student population includes students from all U.S. states and 157 countries. The Dean will join the University during an exciting period, as ASU recently joined the prestigious Association of American Universities, highlighting its position as one of the nation's preeminent research universities. For nine years in a row, ASU has ranked number one in innovation among American universities. In alignment with the University's Charter—and organized across knowledge, academic, and learning enterprises—ASU is deeply committed to making higher education accessible and affordable, and today, its student population mirrors the demographics of the state. One in three on-campus undergraduates are the first in their families to attend a college or university. And, out of all ASU's undergraduates, one in four identifies as Hispanic/Latino. Those growing numbers follow a year where ASU was recognized as a Hispanic-Serving Institution, earned a second *Seal of Excelencia* by Excelencia in Education, and joined the Presidents for Latino Success.

ASU has been leading a bold reinvention of higher education as the "New American University" over the past two decades, spearheaded by its visionary President, Dr. Michael Crow. With research expenditures over $795 million in 2022, ASU experienced nearly five-fold growth in research expenditures during this period and is now on track to reach $1 billion. Its research is inspired by real-world applications blurring the boundaries that traditionally separate academic disciplines. To support its rapid evolution, ASU established over twenty-five new transdisciplinary schools, including the School of Earth and Space Exploration, the School for the Future of Innovation in Society, and the School of Human Evolution and Social Change, and launched trailblazing multidisciplinary initiatives including the Biodesign Institute, the Julie Ann Wrigley Global Futures Laboratory, and important initiatives in the humanities and social sciences. The Ira A. Fulton Schools of Engineering at ASU was expanded into the largest and most comprehensive engineering school in the nation, with top-ranking faculty and programs in areas such as Artificial Intelligence (#21, U.S. News and World Report) and Bioengineering/Biomedical Engineering (#30) and Computer Engineering (#16). In 2024, ASU became the first higher education institution to collaborate with OpenAI, the AI research and deployment company behind ChatGPT. This collaboration brings the advanced capabilities of ChatGPT Enterprise into higher education, setting a new precedent for how universities enhance learning, creativity and student outcomes. ASU also added numerous new facilities with strategically designed and technologically advanced spaces for collaboration, and learning – buildings embedded in the community where students, faculty and partners tackle society's most vital challenges.

ASU will now apply these existing assets and its well-honed approach to rapid design and innovation to launch ASU Health and the new School of Technology and Public Health.

ABOUT ASU HEALTH

ASU Health is a learning health ecosystem formed to accelerate and focus the University's efforts to tackle Arizona's urgent health and healthcare needs—now and in the future—by preparing the next-generation healthcare workforce through interdisciplinary learning, research, and practice. The ASU Health initiative includes creating three new schools, expanding the University's existing alliance with Mayo Clinic, launching a state health observatory, and more.

In October 2023, ASU announced that ASU Health would be headquartered at a location to be determined in downtown Phoenix. In response to the announcement, Phoenix Mayor Kate Gallego shared, "At a time when the Phoenix bioscience industry is booming, and when the need for highly trained medical professionals is at an all-time high, it's a big deal that ASU has chosen downtown Phoenix for their newest venture…ASU's commitment is a testament to the strong and productive partnership the city has fostered over the past two decades and speaks to the brighter, healthier future that we envision for Phoenix families."

Structurally, ASU Health sits at the University-level, and brings together schools and colleges, research institutes, and other units from across the University through cross-functional partnerships. Currently, the primary components of ASU Health include:

- **School of Technology for Public Health -** The new school will launch ASU into an emerging field of public health technology, advancing ideas in education, research, entrepreneurship, and innovation. The goal is for the School to drive transformational change at the state level, which can then be scaled nationally and globally.
- **School of Medicine and Advanced Medical Engineering** – The new school will integrate clinical medicine, biomedical science and engineering in a new approach to a medical school. Clinical partnerships support both research and academic programs, delivering solutions that improve patient and health care outcomes. An interdisciplinary approach brings together health sciences from across the university to prepare students to address complex health care problems.
- **The Health Observatory at ASU -** The health observatory will be a real-time early warning system that helps state leaders spot trends and make health-related decisions based on the latest available information and data.
- **Mayo Clinic and Arizona State University Alliance for Health Care -** The alliance is a collaboration between Mayo Clinic, the recognized world leader in patient care, education, and research, and ASU. The mission is to improve the science of healthcare delivery and practice while advancing patient care.
- **ASU Medical Master's Institute -** The institute will include a broad array of Master of Science degree options to advance problem-solving and design skills for learners in a variety of healthcare fields. The Institute will increase the flow of new MDs and DOs to Arizona by creating a destination for those seeking novel programs — such as master's degrees in medical engineering and design, in public health technology, and in observational sciences – to fill the skills gap for practicing healthcare providers in an increasingly technology-driven field.
- **ASU Edson College of Nursing and Health Innovation and ASU College of Health Solutions –** The Edson College of Nursing and Health Innovation provides a first-class education for more than 5,000 undergraduate and graduate students with nationally ranked programs and an emphasis on community involvement. The ASU College of Health Solutions brings together researchers, faculty, students and community partners from a variety of disciplines to translate scientific research and discovery into practical solutions. ASU Health will drive enrollment growth in these two colleges in support of its goal to increase the number of healthcare professionals in the state.

ABOUT THE SCHOOL OF TECHNOLOGY AND PUBLIC HEALTH

The School of Technology for Public Health will provide an academic home for interdisciplinary public health technology as an emerging field and align ASU's efforts to expand impactful programs to a diverse population. The School will house the proposed Bachelor of Science in Public Health Technology and Master of Science in Public Health Technology along with a Master of Public Health. These initial degrees will feature a transdisciplinary core curriculum which includes epidemiology, health information systems, machine learning, disease surveillance and monitoring, engineering, environmental health, policy and ethics, health data and statistics, behavioral and social sciences, business and entrepreneurship, health communications and education, and the assessment and development of health technologies.

The School will bring together faculty from a variety of disciplines to train students in competencies of public health while incorporating STEM concepts with an emphasis on technology and engineering to offer innovative solutions to protecting and improving the health of people and their communities. The curriculum will place a strong emphasis on principled innovation and ethical considerations in the use of technology for public health, and students will be trained on data privacy, security, and ethical guidelines. The School will also emphasize a global perspective, recognizing that health challenges are not limited by borders. Collaborations with international organizations, global health initiatives, and opportunities for international internships or exchange programs will be emphasized to expose students to diverse healthcare systems while developing cultural competencies.

The new school was designed by working with national academic, government and industry leaders who examined the education needs in public health technology. The effort was co-chaired by Rear Admiral il. Susan Blumenthal, M.D. (ret), former U.S. assistant surgeon general and former deputy assistant secretary for health, and Sir Malcolm Grant, former President of University College London and former Chair of England's National Health Service. The establishment of the school emanates from Dr. Blumenthal's article calling for the establishment of a new field of public health technology.

ROLE OF THE DEAN

Serving as the chief architect, executive, and intellectual leader of the School of Technology and Public Health, the Dean will be responsible for establishing and leading a pioneering academic unit and emerging field dedicated to exploring the intersection of public health and technology. It is important for the Dean to build and ensure excellence in educational, research and entrepreneurship opportunities to prepare students to work in this important area while simultaneously positioning ASU as the leader in this developing field. The Dean will have transformational impact on how public health challenges are addressed, using innovative digital solutions, data analytics, and technology-driven approaches to improve public health and population health outcomes.

The Dean will report jointly to the University Provost/Executive Vice President and the Executive Vice President of ASU Health. The Dean will be responsible for all components of the School in line with applicable requirements of the Council on Education for Public Health (CEPH) or other accrediting bodies.

KEY OPPORTUNITIES AND CHALLENGES FOR THE DEAN

Develop and implement a visionary strategy positioning the School of Technology for Public Health as the leader in this new field

- Bringing a strong and interdisciplinary understanding of the field(s) of public health and/or technology, the Dean will drive a strategic, forward-looking, and compelling vision that positions the School as a leader and innovator in this new field;

- Demonstrate a proven entrepreneurial approach and mindset and leverage ASU's existing assets to build the school from the ground up;
- Create a roadmap for the growth and development of the School, including the integration of existing assets at ASU, recruiting faculty and staff, launching academic programs, navigating the accreditation process, advancing research in public health and technology, and developing key partnerships;
- Inspire a diverse set of internal and external stakeholders to take action to join ASU Health and the new School to invest in its efforts in developing this emerging field.

Establish and strengthen partnerships and collaborations with a variety of organizations and stakeholders

- Proactively build relationships and capitalize on existing/potential partnerships across ASU, a highly matrixed, cross-functional, and interdisciplinary organization;
- Build cross-sector partnerships and opportunities to offer students real-world experiences and practical exposure through internships, fieldwork, and partnerships with public health organizations, governmental agencies, and technology companies through programs such as a Public Health Corps;
- Engage students in public health research, data analysis projects, and the development of innovative digital health solutions;
- Create collaborative spaces that foster teamwork and interdisciplinary collaboration among students, faculty, partners to include underserved community entities such as Tribal Epidemiology Centers, and public health agencies to allow for the exchange of ideas, and the development of innovative solutions to public health challenges using technology;
- Shape continuous learning and innovation in the field by hosting experts to keep students and faculty updated on the latest advancements, emerging technologies, and best practices through various opportunities like distinguished lecturers, regular workshops, and seminars.

Launch cutting-edge academic, research, and entrepreneurship programs

- Collaborate with faculty to design cutting-edge academic programs and courses that integrate technology, data science, and public health principles and ensure the School's curriculum aligns with industry trends and evolving healthcare needs;
- Foster an environment of research excellence, encouraging faculty and students to engage in groundbreaking research that addresses critical public health challenges using technology;
- Expand ASU's role as the leading global center for interdisciplinary research, discovery and development by following the principles of social embeddedness – connecting with communities through mutually beneficial partnerships, and conducting use-inspired research – ensuring ASU research has purpose and impact;

- Develop programs that facilitate real-world application of technology to public health problems and build connections with entrepreneurs, funding agencies, nonprofit and government agencies, and healthcare and technology companies;
- Serve as an incubator for entrepreneurs and labs to improve health outcomes for the state and the nation.

Foster an inclusive and innovative environment for faculty, staff, and students

- Recruit, retain, and mentor a diverse team of renowned faculty members with expertise in public health technology, data analytics, digital health, and related fields;
- Attract and support a diverse student body interested in public health technology by creating an inclusive and innovative learning environment;
- Position the School to significantly increase the production of highly trained public health experts, technologists, physicians, physician-scientists, and scientists who are committed to serving the Arizona population;
- Contribute to ASU Health's primary goal of advancing health equity, healthcare access, and health education in Arizona through an inclusive and innovative environment for every member of the community.

Champion and communicate the School's early successes and clearly articulate its role in the region and well beyond

- As a public health technology leader in the state, the Dean will be looked to as a thought leader on pressing issues by executive and legislative leadership, as well as other key stakeholders in the state, region, and nation. In this capacity, the next Dean will be a critical advocate for the School and its interests, as well as for the well-being of the population it serves;
- Build robust, fruitful, and sustainable philanthropic relationships in Arizona and beyond;
- Represent the School in regional, national, and global public health and technology forums, advocating for its mission and creating opportunities for collaboration and recognition;
- Articulate and champion this new school's model to a range of audiences including the media, effectively broadcasting the successes and innovations emerging during the School's early years.

QUALIFICATIONS AND CHARACTERISTICS

Because this is an inaugural role in a large university and in a complex healthcare landscape, the successful candidate's experience must demonstrate a history of entrepreneurship and comfort with ambiguity and should include progressive administrative responsibility in environments that rely upon vision, teamwork, planning, delegation of authority, and measures of accountability. The preferred candidate must demonstrate the following:

- A terminal degree (PhD, DrPH, ScD, MD, MPH or equivalent) related to public or population health or in a technology field (such as engineering and computer sciences), with exceptional research, scholarly, and/or applied background and a significant leadership track record within public health and/or technology demonstrated by integrity, service, and achievement commensurate with faculty position in tenure (professor) or career (professor of practice or clinical professor) tracks.
- A strong background at the intersection of public health and expertise in technology, such as, health informatics, data analytics, digital health, engineering, computer sciences, or related fields.
- A deep understanding of emerging applications of technology to advance individual, public, and populations health outcomes, such as, AI, ML, health analytics, predictive analytics, wearables and sensors, diagnostics, telehealth, electronic health records, health information exchanges, mobile health apps, digital disease surveillance systems, wastewater and air quality monitoring, biometric screening, genomic sequencing, vaccination tracking systems, emergency alert systems, GIS, geospatial maps, AR, VR, XR, UX/UI, clinical decision-making tools, or related technologies.
- The ability to be visionary, creative, and agile in approaching complex public health challenges and identifying and implementing opportunities to improve public health.
- Proficiency in science communications.

The successful candidate should demonstrate many, if not all, of the following:

- Demonstrated commitment and ability to translate ASU's charter and ASU Health's dedication to inclusive excellence into action;
- A history of effective leadership in academic, administrative, or healthcare settings including prior experience as a dean, vice dean, senior associate dean, associate dean, department chair, program or institute director, or other equivalent roles;
- Successful experience in leadership including strategic planning, sound fiscal management, and personnel management;
- Demonstrated ability to integrate public health and technology leading to meaningful and impactful public health research and practice;
- Demonstrated strategic approach to integrating and working across multiple disciplines to improve public health, such as, technology, design, arts, humanities, and the behavioral sciences;
- Demonstrated commitment to research as evidenced by strong research and scholarly accomplishments and the ability to promote and support faculty research growth, research activities, research infrastructure, transdisciplinary collaboration, and the translation or facilitation of research findings to improve public health;
- Considerable experience in teaching, mentoring students, and innovative curriculum development with a demonstrated commitment to student success, student learning, continuous quality improvement, and willingness to leverage new learning modalities, technologies, and tools to enhance student learning outcomes;
- Experience launching or leading a new school or program at a university, NGO, or government organization;

- Demonstrated track record of securing philanthropic support through successful fundraising and development efforts with individuals, private investors including but not limited to corporate partners and foundations, and government (federal, state, and local) sponsors in order to develop and grow school programs and research;
- Demonstrated ability to effectively communicate with the public and media about health issues;
- A collaborative, personable, collegial, and multi-faceted leader who possesses strong interpersonal and listening skills that allow for open, honest, and genuine communication with a variety of constituents and stakeholders as well as the ability to effectively communicate and articulate the vision for the new School;
- Demonstrated interest in incorporating principled innovation, bioethics, humane tech, and the humanities into the curriculum;
- Demonstrated expertise in advancing innovation and entrepreneurship within an academic or private sector setting;
- Demonstrated ability and commitment to social embeddedness and engagement with community members and stakeholders;
- Aptitude in entrepreneurship and innovation along with a demonstrated track record of collaborating with technology organizations and businesses including start-up companies;
- Dedication to improving the health outcomes of Americans through public health technology and the application of this commitment to the people of Arizona through enthusiastic partnership with ASU leadership, faculty, staff, staff, and alumni as well as patients, community members, community partners, business leaders, donors, and elected officials.
- Knowledge of and previous active participation in acquiring or maintaining accreditation from the Council on Education for Public Health (CEPH) or another accreditation body.

LOCATION

This position is in Phoenix, Arizona. To learn more about the greater Phoenix area, please see Appendix I.

APPLICATIONS, INQUIRIES, AND NOMINATIONS

Screening of complete applications will begin immediately and continue until the completion of the search process. For best consideration, please apply by April 15, 2024. Inquiries, nominations, referrals, and CVs with cover letters should be sent via the Isaacson, Miller website for the search: https://www.imsearch.com/open-searches/arizona-state-university/dean-school-technology-and-public-health. Electronic submission of materials is required.

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ISAACSON, MILLER

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In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU- Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police at 480-965-3456.

APPENDIX I: GREATER PHOENIX

Bioscience Core

Biomedicine is one of the fastest growing fields in both research and health care, and the Phoenix Bioscience Core is home to some of the highest concentrations of research scientists and complementary research professionals in the region. Experts in precision medicine, genomics, molecular medicine, cancer research and health care analytics converge and collaborate, all while drawing on the wealth of resources offered by one of the fastest growing research institutions in the nation.

Business and Industry

Arizona is home to a surging industrial ecosystem, early-stage entrepreneurs, and tech-savvy millennial talent who are breaking new ground across a wide range of industry growth sectors. What's more, Arizona offers a robust portfolio of programs and resources supporting both large and emerging tech companies. The state's rich startup culture continues to thrive and is a preferred choice for technology companies seeking growth. Leading startups have collectively taken advantage of Arizona's high-skills talent base. Arizona's solid reputation and assertive stance on innovation led Fast Company to rank Arizona No. 1 in the country for "entrepreneurial activity."

Climate

Enjoy 300 days of sunshine a year and an average temperature of 76 degrees.

Arts and Culture

Greater Phoenix is a rich arts and culture environment with diverse museums, theater, concert halls, and cultural centers, such as the renowned Heard Museum, Phoenix Art Museum, Arizona Science Center, Phoenix Symphony, Arizona Opera, Ballet Arizona, and the Arizona Theatre Company.

Outdoors

Phoenix has several lakes just a short drive away, offering opportunities for boating, sailing, paddleboarding, windsurfing, water and jet skiing, fishing, and more. The area is home to dozens of parks and preserves — both in and around the city — with hundreds of miles of multiuse trails for hiking and biking. The state is home to three national parks, including the Grand Canyon and other popular destination spots like Sedona.

Sports

All four of Arizona's major professional sports teams — Arizona Cardinals (NFL), Phoenix Suns (NBA), Arizona Diamondbacks (MLB), and Arizona Coyotes (NHL) — call the metro Phoenix area home, as do the Phoenix Mercury (WNBA), Arizona Rattlers (IFL) and Phoenix Rising FC (USL). The area has over 170 golf courses.

Cost of Living

Greater Phoenix offers the diverse amenities of a major metropolitan region without the high cost of living. As the fifth largest state in the U.S. and one of the most dynamic and rapidly growing regions in the nation, living and working here is both exciting and affordable.

Low Tax Position

Low personal income taxes and low effective property tax rates offer affordability and opportunities for everyone to thrive.