



Collaborative Design + Co-creation for Health Equity

Summer **Innovation** Institute

June 3–7, 2024

Presented in partnership with: Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging (PennAITech), Eidos LGBTQ+ Health Initiative, and Johnson & Johnson Nurse Innovation Fellowship Program

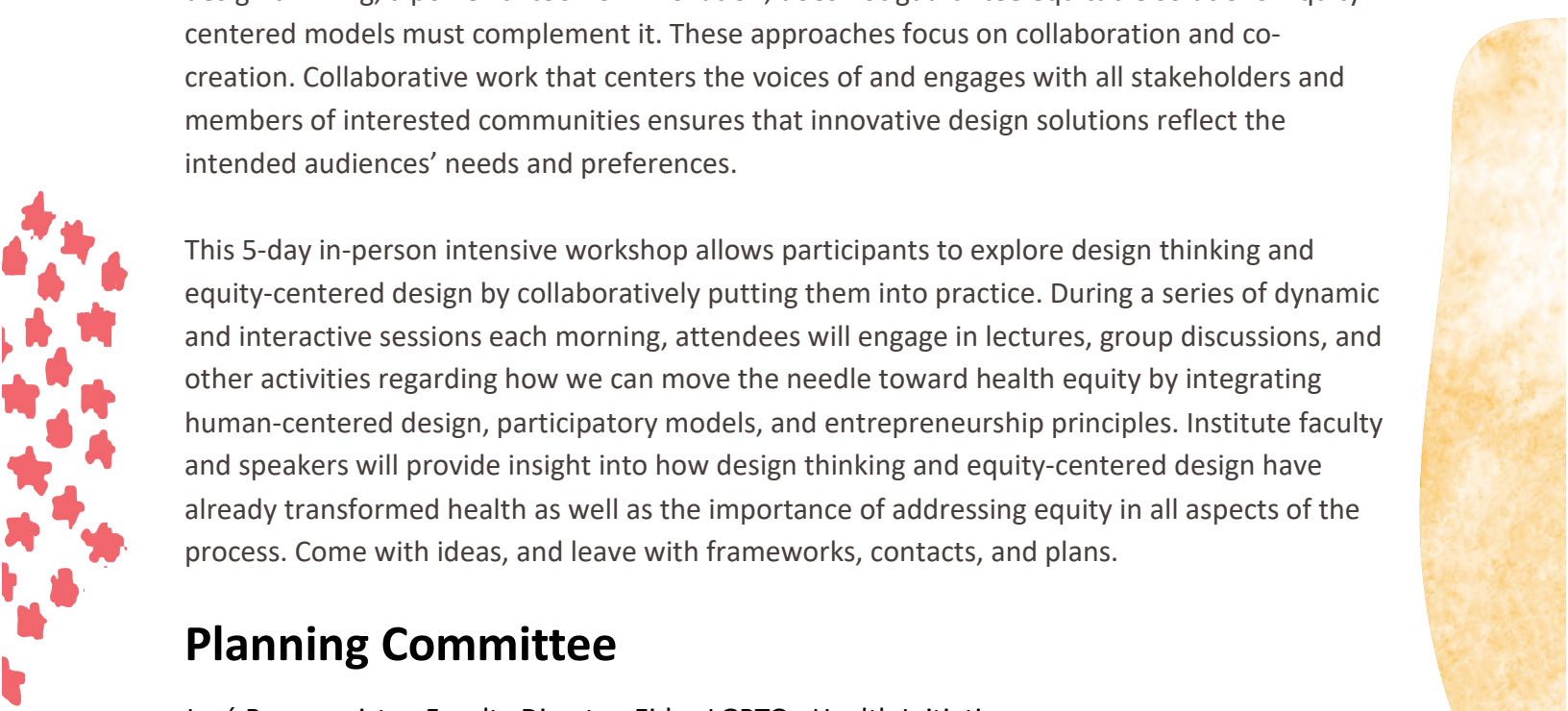


funded by the National Institute on Aging Grant Nr. P30AG073105



The School of Nursing will hold the Summer Innovation Institute focused on Collaborative Design and Co-creation for Health Equity in person and on campus from June 3-7, 2024.

Innovation is necessary to achieve health equity. However, the human-centered approach of design thinking, a powerful tool for innovation, does not guarantee equitable solutions. Equity-centered models must complement it. These approaches focus on collaboration and co-creation. Collaborative work that centers the voices of and engages with all stakeholders and members of interested communities ensures that innovative design solutions reflect the intended audiences' needs and preferences.



This 5-day in-person intensive workshop allows participants to explore design thinking and equity-centered design by collaboratively putting them into practice. During a series of dynamic and interactive sessions each morning, attendees will engage in lectures, group discussions, and other activities regarding how we can move the needle toward health equity by integrating human-centered design, participatory models, and entrepreneurship principles. Institute faculty and speakers will provide insight into how design thinking and equity-centered design have already transformed health as well as the importance of addressing equity in all aspects of the process. Come with ideas, and leave with frameworks, contacts, and plans.

Planning Committee

José Bauermeister, Faculty Director, Eidos LGBTQ+ Health Initiative

Pam Cacchione, Ralston House Term Chair of Gerontological Nursing, Penn Nursing

George Demiris, Associate Dean for Research & Innovation, Penn Nursing; Principal Investigator, Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging (PennAITech)

Jessica Halem, Senior Director, Eidos LGBTQ+ Health Initiative

Marion Leary, Director of Innovation, Penn Nursing

Therese Richmond, Andrea B. Laporte Professor, Nursing, Penn Nursing

Event Contact Info

If you have any questions, concerns, or accessibility needs, please contact:

Kevin Schott: summerinstitute@nursing.upenn.edu

215-898-4998

WHERE

Tangen Hall
University of Pennsylvania
115 S 40th St, Philadelphia, PA 19104

Main entrance on 40th Street

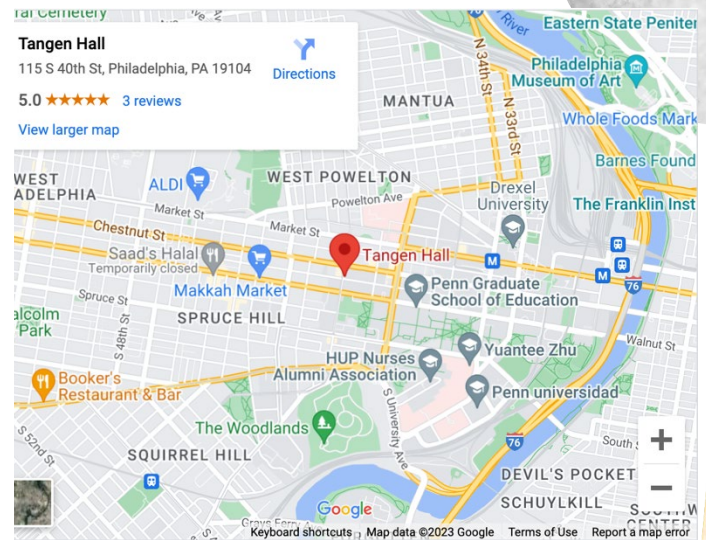
Meeting Space: 2nd Floor, Colloquium
Tangen Hall is ADA Accessible.

Guest Wi-Fi is available in all UPenn campus buildings. Simply select “Penn Guest” and sign in using your email.

Tangen Hall phone number: (215) 898-4856

Restrooms in Tangen Hall are gender-inclusive. Participants should use the restroom that they are most comfortable using.

[Find Tangen Hall on Google Maps](#)



TRANSPORTATION & PARKING

- 2-hour street parking available on 40th street including handicap spaces directly in front of Tangen Hall entrance.
- Garage parking is available across the street at the Walnut & 40th Street garage (Must pay on entry with credit card. \$17 daily rate)
- Walking to Tangen Hall from:
 - The Study at University City- 15 minute walk
 - The Inn at Penn- 10 minute walk
 - The Sheraton- 11 minute walk
- Tangen Hall is a 20-25 minute walk from 30th Street Station for those arriving by Amtrak. You can also take SEPTA’s Market Frankford Line 2 stops Westbound from 30th Street to 40th Street Station. Tangen Hall is two blocks from the 40th Street subway station. Taxis and Ubers are easily available in this area as well.
- The Philadelphia Airport has a public transit option that is very cost effective. We recommend taking the Airport Line to 30th Street Station, then utilizing a taxi, rideshare, or the Market Frankford Line to get from 30th Street Station to Tangen Hall.
- The University City area is very walkable, so we recommend bringing shoes you will be comfortable walking in.

SECURITY

All Penn students, faculty, and staff must swipe Penn IDs at the security desk for entry into Tangen Hall.

All participants without Penn IDs will be on a guest list for entry into Tangen Hall. You must sign in and present a government issued ID at the security desk in the lobby to enter.

FOOD

A light breakfast and beverages will be available each morning. There will be vegan and gluten free options for those with dietary restrictions.

We will also provide lunch each day at 12:30, following the morning sessions. You are invited to eat lunch with us in Tangen Hall or take a break at a nearby restaurant.

Nearby restaurants:

Tangen Hall is situated around many different restaurants, from fast food to full-service. Within a 2-block radius, there are many fast-food restaurants such as Qdoba, Boston Market, Raising Canes, Sweetgreen, Starbucks, Hip City Veg (vegan), Panera, Halal Guys, DIG, and more.

For full-service restaurants, we recommend the nearby Dim Sum House, Louie Louie, Phở & Café Saigon, White Dog Café, Pattaya Thai Cuisine, LaTao HotPot, and Copabanana.

RECOMMENDED MATERIALS TO BRING

- Comfortable walking shoes
- Notepad and pen/pencil
- Laptop, tablet, chargers
- Your business cards
- A cardigan, sweater, or wrap
- Water bottle
- Hand sanitizer, disinfecting wipes, masks, and other PPE materials if you so choose.
- Umbrella



Dress Suggestions

While there is no official dress code, many people find it helpful to offer suggestions for attire. Here at the University of Pennsylvania, we usually recommend dressing business casual to business professional.

We acknowledge that everyone has their own unique style and preferences when it comes to attire, and we respect everyone's diversity of expression. We believe it is important to feel comfortable and confident in what you wear. However, it may be helpful to keep in mind that you will be interacting with other professionals in this space, so dressing to make a positive impression will be helpful to consider!

COVID-19 Guidance

COVID-19 vaccination is strongly encouraged but not required. Masks are no longer required indoors in the Penn Community (with the exception of some clinical spaces in the health system).

Throughout the pandemic, the University's COVID-19 vaccine requirements were based on guidance from the CDC, as well as requirements or mandates from state and local governmental agencies. The City of Philadelphia has updated its vaccine mandate regulation to no longer require COVID-19 vaccination for institutions of higher education. This decision is guided by current science, campus data, and national trends in higher education settings.

If you feel ill, please refrain from attending the Summer Innovation Institute and contact our event organizer if you are in need of COVID-19 testing.

Schedule Overview

Day 1 (June 3 rd) – Introduction to Design Thinking, Health Equity, and Entrepreneurship 2 nd Floor Colloquium, Tangen Hall		
Time	Topic	Speaker
8:30-8:40	Welcome	Dean Villaruel
8:40-8:50	Review Schedule for the Week	Pam Cacchione
8:50-9:20	Overview of Human-Centered Design and Design Thinking	Marion Leary
9:20-9:50	Icebreaker Activity	
9:50 – 10:20	Health Equity	José Bauermeister
10:20-10:45	<i>BREAK</i>	
10:45-11:45	Fireside Chat: Design Thinking & Inclusive Design	Mark Yim and Pam Cacchione
11:45-12:15	The Entrepreneur Mindset	Lori Rosenkopf
12:15-12:30	Daily Reflection, Preview for Tomorrow	Pam Cacchione

12:30 – 1:30 Lunch Break 7th Floor, Tangen Hall

Afternoon Session 2 nd Floor Colloquium, Tangen Hall & Fagin Hall		
1:30-3:00	PennAITech Welcome and Overview	George Demiris
3:00-3:30	Break and walk to Fagin Hall	
3:30-5:00	Tour of Simulation Lab and Home Care Suite	

Monday Evening, you are invited to an Opening Reception at 5pm
in Fagin Hall (418 Curie Blvd)

Day 2 (June 4 th) – The “Empathy and Define” Stage 2 nd Floor Colloquium, Tangen Hall		
Time	Topic	Speaker
8:30-9:15	Empathy and Define Fireside Chat	Neil Ray , Mike Avery , Catherine Shi
9:15-9:45	Small Group Discussion	
9:45-10:30	Community Engagement and Diagnosis	Sara Jacoby
10:30-10:45	<i>BREAK</i>	
10:45-11:30	Fireside Chat: Sharing Your Story	Alison Buttonheim , José Bauermeister
11:30-12:15	Lessons Learned on Empathy/Define	Margot Brooks Carthon
12:15-12:30	Daily Reflection, Preview for Tomorrow	Pam Cacchione

12:30 – 1:30 Lunch Break 7th Floor, Tangen Hall

Afternoon Session 2 nd Floor Colloquium, Tangen Hall		
1:30-2:00	Pitch Updates	
2:00-3:00	Addressing ADRD and Aging in System Design	Lauren Massimo , Dawn Mechanic-Hamilton
3:00-4:00	Product Development	Pam Cacchione

**Day 3 (June 5th) - The “Ideation” Stage
2nd Floor Colloquium, Tangen Hall**

Time	Topic	Speaker
8:30-9:00	Human-Centered Design and Design Thinking	Sarah Rottenberg
9:00-9:45	Activity: Ideation	Jen Leonard
9:45-10:15	Smart Homes for Loneliness and Social Isolation	George Demiris
10:15-10:45	<i>BREAK</i>	
10:45-11:30	Panel Discussion on Intellectual Property	Cindy Dahl
11:30-12:15	Business Models	Matthew Van Der Tuyn
12:15-12:30	Daily Reflection, Preview for tomorrow	Pam Cacchione

12:30 – 1:30 Lunch Break 7th Floor, Tangen Hall

**Afternoon Session
2nd Floor Colloquium, Tangen Hall**

1:30-2:00	Pitch Updates	
2:00-3:00	Turning Research into Entrepreneurship	Kathy Bowles
3:00-5:00	Stakeholders with Caregiving Experience - Intro, Q&A and Team 1:1 with each Care Giver	Dee Fowlkes, Susan Jackewicz, Lily Liu, Marie Maloney

Day 4 (June 6 th) - The “Prototyping & Testing” Stage 2 nd Floor Colloquium, Tangen Hall		
Time	Topic	Speaker
8:30-9:30	Human-Centered Design and Design Thinking: Prototyping and Testing	Taylor Caputo
9:30-10:30	Activity: Prototyping and Testing	Lexi Voss , Tex Kang , Sevile Mannickorattu
10:30-10:45	<i>BREAK</i>	
10:45-11:15	Presenting Like a Pro	Jessica Halem
11:15-12:15	Panel: Ways of Funding	Kevin Mahoney , Jake Prigoff , John J. Rydzewski , Roze McDevitt
12:15-12:30	Daily Reflection , Preview for Tomorrow	Pam Cacchione

12:30 – 1:30 Lunch Break 7th Floor, Tangen Hall

Afternoon Session 2 nd Floor Colloquium, Tangen Hall		
1:30-2:00	Pitch Updates	
2:00-3:00	Entrepreneurship for Aging and Technology	Brett Topche Co-founder and Managing Director at Red & Blue Ventures
3:00-4:00	From Idea to Thriving Business	Kevin M. Baumlin Chief Medical Affairs Officer University City Science Center

Day 5: Pitching and Feedback
2nd Floor Colloquium, Tangen Hall

Time	Topic	Speaker
8:30-11:30	Activity: Project Pitches – Audience members hear and provide feedback on real project pitches	Therese Richmond
11:30-12:30	Closing Remarks	

Speakers:

Mikael Avery, *Lecturer*, Stuart Weitzman School of Design

Mike Avery is a designer, educator, maker, and healthcare professional working at the intersection of architecture, product design, and health. He believes that the true measure of a project's success is evaluated by how well it aligns with the desires, needs, and goals of those who will engage with the objects, spaces, and experiences we create. At the University of Pennsylvania, Mike teaches in the Department of Architecture and the Integrated Product Design Program. Foregrounding this person-first perspective, he works with students across a diverse set of courses ranging from design processes and design research to advanced seminars in health, digital fabrication, and furniture. Outside of academia, Mike utilizes his diverse background and training—along with a human-centered design approach—to consult with healthcare systems on patient- and provider-focused quality improvement, to advise architecture firms working in healthcare, and to collaborate with startups on medical device design and development.

José Bauermeister, *Albert M. Greenfield Professor of Human Relations, Family and Community Health*, School of Nursing

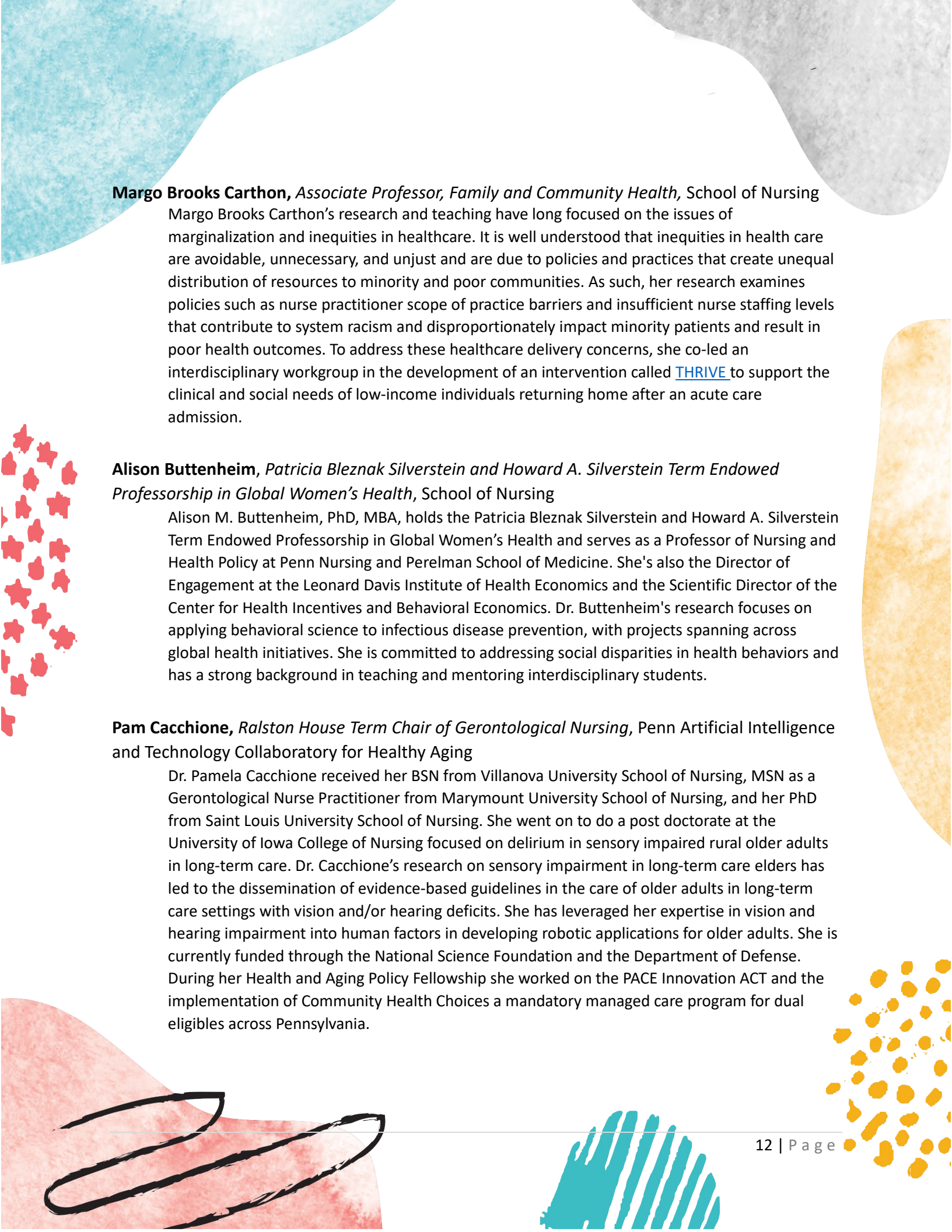
José Bauermeister's work focuses on synergizing systems-level interventions, community engagement, digital strategies, and clinical innovations to optimize the health and well-being of LGBTQ+ communities. José has led projects funded by the NIH, CDC, Ford Foundation, MAC AIDS Fund, HopeLab, and Herb Ritts Foundation. He has published over 250 peer-reviewed publications. He is also the Albert M. Greenfield University Professor of Human Relations, Chair of the Department of Family and Community Health in the School Nursing, and Psychiatry at the Perelman School of Medicine. José is an Aspen Institute's Health Innovators Fellow, and a member of the Aspen Global Leadership Network.

Kevin M. Baumlin, Chief Medical Affairs Officer, University City Science Center

Kevin M. Baumlin, MD, FACEP, joined the Science Center in 2023 as the Chief Medical Affairs Officer. Dr. Baumlin brings to the Science Center over 30 years of professional experience as a clinician, leader, and advocate for improving lives through compassion, science and technology. Baumlin came to the Science Center after a run for US Senate in Pennsylvania where he toured the Commonwealth and listened to the voices of citizens who yearn for solutions to improving our healthcare system. Prior to his political campaign he was Chair of Emergency Medicine at Pennsylvania Hospital, and Vice Chair of Emergency Medicine for the Perelman School of Medicine. Kevin previously served as Chair of Emergency Medicine at Mount Sinai Beth Israel Hospital in New York, and Vice Chair and Professor of Emergency Medicine at the Icahn School of Medicine at Mount Sinai Medical Center in New York. Kevin was born in Philadelphia and grew up in Holmdel, New Jersey where he attended public schools through high school. Baumlin's academic interests lie primarily in informatics and geriatric emergency medicine. As a leader in the business of medicine, Baumlin led the drive to open Mount Sinai's first Urgent Care Center as well as Penn's first Urgent Care located in the Constitution Health Center. Kevin is a creative leader who believes in developing diverse teams to deliver health care and technology to patients and providers. He lives in Center City Philadelphia with his husband Patrick Mahanger and their beloved boxer Duke.

Kathryn H. Bowles, Professor of Nursing and van Ameringen Chair in Nursing Excellence, School of Nursing, Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging

The focus of Kathryn H. Bowles's research began with a question: Why were so many older adults returning to the hospital after being discharged? A former critical care nurse, she observed that many times patients were not prepared physically, did not have enough knowledge to take care of themselves at home, and were not getting referred to the necessary post-acute care, such as skilled home care. With funding from multiple NIH grants, Dr. Bowles discovered a unique set of high-risk factors, ranging from a patient's walking ability, to length of hospital stay, to having an in-home caregiver, that determined which older patients were most likely to need continued skilled care after discharge. After 10 years of research on these high-risk factors, Dr. Bowles and her interdisciplinary team developed and validated a decision-support methodology that identified patients who need post-acute care, ensuring that high-risk patients were monitored and received adequate post-acute care plans when they went home. To put her risk-scoring tool into practice, Dr. Bowles co-founded RightCare Solutions in 2012, the first nursing business seeded by Upstart, Penn's technology transfer host. Through RightCare Solutions, Dr. Bowles and a team of experts incorporated the "Discharge Decision Support System" or D2S2, developed by her research team, into a software product that helps hospitals assess patients for post-acute care needs, optimizes workflow, and ultimately lowers the number of readmissions. In 2015, naviHealth acquired RightCare Solutions.



Margo Brooks Carthon, *Associate Professor, Family and Community Health, School of Nursing*
Margo Brooks Carthon's research and teaching have long focused on the issues of marginalization and inequities in healthcare. It is well understood that inequities in health care are avoidable, unnecessary, and unjust and are due to policies and practices that create unequal distribution of resources to minority and poor communities. As such, her research examines policies such as nurse practitioner scope of practice barriers and insufficient nurse staffing levels that contribute to system racism and disproportionately impact minority patients and result in poor health outcomes. To address these healthcare delivery concerns, she co-led an interdisciplinary workgroup in the development of an intervention called [THRIVE](#) to support the clinical and social needs of low-income individuals returning home after an acute care admission.

Alison Buttenheim, *Patricia Bleznak Silverstein and Howard A. Silverstein Term Endowed Professorship in Global Women's Health, School of Nursing*

Alison M. Buttenheim, PhD, MBA, holds the Patricia Bleznak Silverstein and Howard A. Silverstein Term Endowed Professorship in Global Women's Health and serves as a Professor of Nursing and Health Policy at Penn Nursing and Perelman School of Medicine. She's also the Director of Engagement at the Leonard Davis Institute of Health Economics and the Scientific Director of the Center for Health Incentives and Behavioral Economics. Dr. Buttenheim's research focuses on applying behavioral science to infectious disease prevention, with projects spanning across global health initiatives. She is committed to addressing social disparities in health behaviors and has a strong background in teaching and mentoring interdisciplinary students.

Pam Cacchione, *Ralston House Term Chair of Gerontological Nursing, Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging*

Dr. Pamela Cacchione received her BSN from Villanova University School of Nursing, MSN as a Gerontological Nurse Practitioner from Marymount University School of Nursing, and her PhD from Saint Louis University School of Nursing. She went on to do a post doctorate at the University of Iowa College of Nursing focused on delirium in sensory impaired rural older adults in long-term care. Dr. Cacchione's research on sensory impairment in long-term care elders has led to the dissemination of evidence-based guidelines in the care of older adults in long-term care settings with vision and/or hearing deficits. She has leveraged her expertise in vision and hearing impairment into human factors in developing robotic applications for older adults. She is currently funded through the National Science Foundation and the Department of Defense. During her Health and Aging Policy Fellowship she worked on the PACE Innovation ACT and the implementation of Community Health Choices a mandatory managed care program for dual eligibles across Pennsylvania.

Taylor Caputo, Director of the Studios at Venture Labs, The Wharton School

Taylor Caputo is the director of Venture Studios at Venture Lab, and lecturer in the Operations, Information, and Decisions department of Wharton. She teaches courses focusing on design and making, including 2D, 3D, and micro-manufacturing techniques.

Cindy Dahl, Practice Professor, Carey School of Law

Cynthia Dahl is the Director of the Detkin Intellectual Property and Technology Legal Clinic, a “teaching law firm” at Penn Law giving students the chance to help clients set and implement IP strategy. She specializes in the business applications of intellectual property and technology, and writes and speaks extensively around the country about teaching in this area. Before joining Penn Law, Cynthia was Senior IP Counsel for TruePosition, Inc. a Liberty Media-owned international wireless location company. While at TruePosition, she grew the company’s extensive patent portfolio and developed the IP portfolios of three related start-up ventures, handled transactional intellectual property deals, and managed litigation and advocated in front of international standards bodies. Prior to working at TruePosition, she was a litigation associate at Holland and Hart LLP and Pennie and Edmonds LLP. Before launching her legal career, she counseled artists at Volunteer Lawyers for the Arts in New York, and held several jobs in policy and the press, including working for Senator Bill Bradley (D-NJ) and Nina Totenberg at National Public Radio.

George Demiris, Penn Integrates Knowledge University Professor, School of Nursing, Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging (PennAITech)

George Demiris is a PIK (Penn Integrates Knowledge) University Professor at the University of Pennsylvania and holds joint faculty appointments in the Department of Biobehavioral Health Sciences of the School of Nursing where he serves as Associate Dean for Research and Innovation, and the Informatics Division of the Department of Biostatistics, Epidemiology and Informatics, Perelman School of Medicine. He explores innovative ways to utilize technology and support older adults and their families in various settings, including home and hospice care. He also focuses on designing and evaluating personal health systems that produce patient-generated data including “smart home” solutions for aging. He is a Member of the National Academy of Medicine, a Fellow of the American College of Medical Informatics, the Gerontological Society of America, and the International Academy of Health Sciences Informatics. He is the Editor-In-Chief of Informatics for Health and Social Care and a Senior Fellow of the Leonard Davis Institute for Health Economics. He has conducted numerous federally funded studies and his work has been funded consistently over the years both by the National Institutes of Health (NIH) and the National Science Foundation (NSF). He directs the Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging and is co-director of the Penn Community Collaboratory for Co-Creation.



Dee Fowlkes, Caregiver

Dee Fowlkes is a stakeholder of the Johns Hopkins AITC and has been a family caregiver for over 25 years to her parents and grandparents, who were diagnosed with Colon Cancer, Leukemia, and Alzheimer's Disease. Her experience includes the last 6 years of her dad's life as his 24-hour caregiver and attended 4 years of intense education about caregiving, dementia, and Alzheimer's Disease. She understands how the different stages affect both the loved ones and family caregivers at different stages. Dee Fowlkes was an advocate, spoke before several Maryland hearings on behalf of caregivers and the mandatory education for healthcare professionals on dementia, became a Certified Johns Hopkins Medical Lay Health Educator along with other accomplishments, and created her own TIZ I Health & Wellness Program for ages 50 and up.

Jessica Halem, Senior Director, Eidos Health Initiative, School of Nursing

Jessica Halem inspires organizational change through inclusive communication strategies, evidence-based trainings, and leadership development to advance LGBTQ+ health and well-being. Jessica has 20 years of leadership in LGBTQ+ health, serving as Executive Director of the Lesbian Community Cancer Project in Chicago and the inaugural LGBT Director at Harvard Medical School. She has won awards from The Advocate, Howard Brown Health, Harvard, HERO, and GLMA. A sought-after speaker, she addresses LGBTQ+ health, workplace inclusion, and innovation using improv skills with start-ups, Fortune 500 companies, and medical centers around the world. Jessica serves on the Board of the Tegan and Sara Foundation.

Susan Jackewicz, Caregiver

Susan Jackewicz is a stakeholder at PennAITech. She has been a family caregiver for two generations of relatives, diagnosed with Vascular Dementia, Lewy body Disease, and Alzheimer's. She understands the family care experience across locations (acute hospital, SNF, ALF, memory care, community services, hospice) and in-home care. Her undergraduate degree in design influences her care work and growing optimism around research and technology for improving lives. Professionally Susan has been a Director and Operations Executive in the consumer retail, publishing, and nonprofit industries. She served 9 years as Community Advisory Board member for a rehabilitation hospital in Sarasota, Florida. In 2014 she was involved with beta testing one of the first in-home health sensors for a Silicon Valley startup. Her personal interests include the Quantified Self movement and wearables, botanical art, and plant morphology.

Sara Jacoby, Associate Professor of Nursing, Penn Nursing

Sara Jacoby, PhD, MSN, BSN, MPH, BA, is a nurse and researcher focused on the socio-structural determinants of trauma care and violence disparities in urban environments. Her work at the University of Pennsylvania investigates racialized disparities in trauma, employing mixed methods and community partnerships to understand lived experiences. She teaches on health influences and nursing inquiry, emphasizing critical theory and social epidemiology. Dr. Jacoby's research, funded by CDC and NIH, aims to prevent trauma and violence through qualitative insights. Recognized as a Fellow of the American Academy of Nursing, her achievements include leadership roles and prestigious awards in violence and injury research.

Tex Kang, Program Coordinator for Technology and Play, Penn Libraries Education Commons
Tex Kang is the Program Coordinator for Technology and Play at the Penn Libraries Education Commons.

Marion Leary, Director of Innovation, School of Nursing

Marion Leary (PhD, MPH, RN) works to amplify and educate nurses as leaders in health and healthcare innovation. Ms. Leary is a member of the American Nurses Association's Innovation Advisory Committee and a Founding member of the Society of Nurse Scientists, Innovators, Entrepreneurs and Leaders (SONSIEL). She is a host of the University of Pennsylvania School of Nursing podcast, Amplify Nursing, a contributor to the American Nurses Association's official journal, the American Nurse as part of the My Nurse Influencer's column and a contributor to The Nurse Beat as part of the Innovation Conversation segment. In March 2023 she was named one of five female nurses who will go down in herstory by The Nursing Beat. In May 2022, she was selected as one of the most powerful LGBTQIA+ people in Pennsylvania by City & State PA. In August 2019 she was named as an Influencer of Healthcare winner in the category of Excellence in Innovation by the Philadelphia Inquirer. In 2017, she was named Geek of the Year for her outstanding achievements in Philadelphia's vibrant geek community in the areas of innovation, technology, and activism.

Jen Leonard, Founder, Creative Lawyers

Jen Leonard founded Creative Lawyers to support law firms, corporate legal departments, and law schools that understand the urgency to modernize practice, services, and education. Jen works with leaders to cultivate innovative cultures, build nimble and collaborative strategies to navigate a volatile environment, and promote skills and mindsets that drive change. Before launching her company, Jen was the first Chief Innovation Officer and Executive Director of the Future of the Profession Initiative at Penn Carey Law. She practiced law for ten years after graduating from Penn Carey Law in 2004 and before returning to build the Law School's Center on Professionalism, which became a nationally-recognized law student professional development program. At Penn, she teaches Generative AI in Law Practice, Design Thinking for Lawyers, Modern Law Firm Business and Innovation Strategy, and Attorney Well-Being as Ethical Obligation.

Lily Liu, Caregiver

Lily Liu is a member of the Family Caregiver Stakeholder Core at the Johns Hopkins University (JHU) AI & Technology Collaboratory (AITC) for Aging Research. She has had more than 20 years of lived experience as a family caregiver for her parents, one with an acute illness and the other with a chronic illness (Parkinson's Disease and dementia), initially as a long-distance caregiver and most recently as a 24/7, hands-on caregiver during the pandemic. Lily describes herself as a 1.5-generation immigrant family caregiver, a personal profile that has prompted her to become a public speaker on caregiving issues, in English, Mandarin Chinese and bilingually, to help others from diverse backgrounds who face linguistic, cultural and other barriers. In her advocacy on behalf of other family caregivers, Lily wears a red dragon pin as she urges these individuals to seek information and resources to empower themselves on their caregiving journey in order to transform themselves from a "Draggin' Caregiver" to a "Dragon Caregiver."

Kevin Mahoney, *Chief Executive Officer, Penn Medicine*

Kevin Mahoney serves as the CEO of the University of Pennsylvania Health System, overseeing operations across six hospitals and numerous outpatient facilities in Pennsylvania, Delaware, and New Jersey. With nearly three decades of leadership within Penn Medicine, Mahoney has championed initiatives to enhance patient care and experience, including the development of the Pavilion hospital and the integration of electronic health records. Committed to equity, he launched partnerships to address social determinants of health and promote innovation in gene and cell therapy. Mahoney, recognized as one of the "100 Most Influential People in Health Care," holds degrees in economics, business administration, and a doctorate.

Marie Maloney, *Caregiver*

Marie Maloney is a caregiver to frail elderly parent and parent with dementia. Following my experiences as a caregiver, I firmly believed that technology could be used to impact elder care positively. My most relevant experience in this field was being a Chief Information Officer (CIO) at a Fully Integrated Dual Eligible Special Needs Plan (FIDESNP). This experience allowed me to work with dedicated clinicians and provide technology that enabled better care for our most vulnerable population. The technology used allowed clinicians and caregivers to provide fully integrated care addressing medical, social and emotional needs allowing patients to age at home.

Seville Mannickarottu, *Director, Educational Laboratories & Bio-MakerSpace, School of Engineering and Applied Science*

Seville Mannickarottu is the director of the University of Pennsylvania Bio-MakerSpace, Penn's bioengineering educational lab. This lab embraces the interdisciplinary character of bioengineering by offering itself freely as a space for both academic and personal projects. Mannickarottu believes that "creativity needs to let go of control – that's when fun things happen."

Lauren Massimo, *Assistant Professor of Nursing, Penn Nursing, Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging*

Lauren Massimo is a graduate of the PhD program at the University of Pennsylvania. She is an Assistant Professor in the School of Nursing at the University of Pennsylvania. Dr. Massimo holds a bachelor's degree in Nursing from The Pennsylvania State University and master's degree as an Adult and Gerontology Nurse Practitioner from the University of Pennsylvania. Dr. Massimo's research focuses on identifying the cognitive and neural basis for decline in neurodegenerative disease. Over her decade-long career as a nurse practitioner in cognitive neurology, she has enjoyed the opportunity to work with and support many patients with neurodegenerative disease and their families. She has received numerous grants and awards including the John A. Hartford Foundation Building Academic Geriatric Nursing Capacity pre-doctoral fellowship and two National Research Service Awards. She is currently funded by the National Institute on Aging for her work on cognitive reserve in young-onset dementia.

Roze McDevitt, Healthcare Investor

Roze McDevitt is an experienced healthcare Venture Capital Analyst. Her experience spans the investment cycle, from identifying and evaluating new investment opportunities, leading investments in pre-seed and seed-stage companies, and managing a portfolio of life science companies. Roze is passionate about working with and supporting early-stage healthcare companies in bringing innovative products to market. Prior to working in healthcare investing, Roze worked in the medical device industry as a product development engineer at DePuy Synthes, J&J. Her previous experience includes consulting engagements in life science companies, working with university-emerging technologies, and engaging in academic research. Roze holds a bachelor's and master's degree in biomedical engineering from Drexel University.

Dr. Dawn Mechanic-Hamilton, Assistant Professor, Penn Medicine, Penn Artificial Intelligence and Technology Collaboratory for Healthy Aging

Dr. Dawn Mechanic-Hamilton joined the Penn Memory Center in 2012. She is an assistant professor in the Department of Neurology and director of Cognitive Fitness Programs and Neuropsychological Services at the Penn Memory Center. She earned her Ph.D. in clinical psychology with a concentration in neuropsychology from Drexel University. She completed her internship at Brown University and postdoctoral fellowship in clinical neuropsychology at the University of Pennsylvania. Dr. Mechanic-Hamilton's research and clinical work focuses on neuropsychological assessment and cognitive and behavioral intervention in patients with cognitive impairment. She is involved in ongoing clinical trials at the Penn Memory Center, is a collaborator on multidisciplinary research projects, and supervises trainees from clinical psychology doctoral programs in the Philadelphia region.

Jake Prigoff, General Partner, Gaingels

Jake Prigoff, MD is a general partner at Gaingels, an LGBTQIA+/Allies private investment syndicate, and leads the healthcare investments. His investment approach is strongly influenced by his experience as a physician and a patient. After battling Stage 4 Lymphoma, Jake quickly moved toward the healthcare sphere as a speaker and advocate, working with groups at Memorial Sloan Kettering and The SASS Foundation for Medical Research.

Neil Ray, Assistant Professor of Clinical Emergency Medicine, Hospital of the University of Pennsylvania.

Dr. Ray holds a BS in Bioengineering from the University of California, Berkeley, and an MD from Duke University School of Medicine. His expertise spans emergency medicine, medical education, and research in design thinking, medical device development, and engineering education. Dr. Ray is certified by the American Board of Emergency Medicine and has contributed to numerous publications, including those focused on advanced care planning and medical device innovation.

Therese Richmond, *Andre B. Laporte Professor of Nursing, School of Nursing*

Dr. Richmond is the Andrea B. Laporte Professor at the University of Pennsylvania, School of Nursing. She has an extensive program of research aimed at improving recovery from serious injury by addressing the interaction between physical injury and its psychological repercussions. Her research includes a focus on prevention of violence and firearm violence which is grounded in a commitment to social justice. The National Institute of Mental Health, the National Institute of Nursing Research, Centers for Disease Control, and the Pennsylvania Department of Health have supported her research. She is a member of an interdisciplinary team selected as a Catalyst Awardee for the Healthy Longevity Global Grand Challenge to examine a nursing-driven intervention to prevent falls in older adults using remote sensing and artificial intelligence. Dr. Richmond sits on the Executive Committee of the CDC-funded Penn Injury Science Center where she directs the Research Core. She serves on the inaugural Board of Directors for the Research Society for the Prevention of Firearm-related Harms. She served on the Federal Advisory Committee to the Secretary of the Department of Health & Human Services for the National Health Promotion & Disease Prevention Objectives for 2030. She is a fellow in the American Academy of Nursing. Dr. Richmond is an elected member of the National Academy of Medicine where she serves on the Board of Population Health & Public Health Practice.

Lori Rosenkopf, *Simon and Midge Palley Professor, Vice Dean of Entrepreneurship, The Wharton School of the University of Pennsylvania*

Lori Rosenkopf is the Simon and Midge Palley Professor at the Wharton School of the University of Pennsylvania. In her current role as Vice Dean of Entrepreneurship, Lori serves as the Wharton Faculty Director for Venture Lab and also as the Faculty Director for Wharton San Francisco. Lori earned her Ph. D in Management of Organizations from Columbia University after working as a systems engineer for Eastman Kodak and AT&T Bell Laboratories. Prior to that, Lori earned her B.S. in Operations Research and Industrial Engineering from Cornell University and her M.S in Operations Research from Stanford University.

Sarah Rottenberg, *Associate Director Integrated Product Design, Faculty Director, Executive Program in Social Innovation Design, School of Engineering and Applied Science*

Sarah Rottenberg is an Adjunct Assistant Professor in the Weitzman School of Design. Sarah is Executive Director of the Integrated Product Design Program at the University of Pennsylvania, a Masters Program that brings together design, business and engineering for the purpose of developing new products and experiences and Faculty Director of the Executive Program for Social Innovation Design, a certificate program at the intersection of design and social change. She is also a co-founder of LIA Diagnostics, a Philadelphia startup developing a private, easy to use and sustainable pregnancy test. Sarah specializes in bringing people together to design products, experiences and businesses that are desirable, meaningful, feasible and viable. Sarah began her career as a design researcher at Doblin and was formerly a Directing Associate at Jump Associates. She has a Master of Arts in Social Sciences from the University of Chicago, where she specialized in anthropology, and a Bachelor of Science in Foreign Service from Georgetown University.

John J. Rydzewski, *Private Investor*

John J. Rydzewski is a private investor who currently serves as strategic advisor and director to proprietary healthcare companies and health education and policy organizations. As an investment banker he has provided advisory and capital raising services for healthcare and life sciences companies in biotech and drug development services; hospital management and long-term care, including assisted living and skilled nursing care; behavioral health; and managed care. He has co-founded life science companies focusing on proteomics and cancer-targeting immuno-therapeutics. As an investment manager he has originated structured credit investments for pharmaceutical products. He has served as a director of numerous private and publicly traded health care companies. He is Chairman of the of the Board of Advisors of RAND Health, the research unit of the RAND Corporation dedicated to improving global health delivery and health policy decision making. He is a member of the Board of Advisors of the University of Pennsylvania School of Nursing. He received both an MBA and BS with Honors from The Wharton School of the University of Pennsylvania and obtained a CPA license.

Catherine Shi, *Senior Project Manager*, University of Pennsylvania Health System

Catherine Shi is dedicated to revolutionizing healthcare delivery through a blend of nursing, innovation, and management expertise. With a focus on enhancing provider well-being through design, she brings a unique perspective to the Department of Medicine's Faculty Well Being at the Penn Medicine Center for Health Care Innovation. With experience as an Innovation Associate and Technology Fellow, Shi has honed their skills in creating more effective healthcare models. Her journey began as a Research Assistant, shaping their commitment to innovative solutions. Based in Philadelphia, Pennsylvania, Shi's vision is to drive positive change in healthcare systems, ultimately improving patient outcomes and provider satisfaction.

Brett Topche, *Managing Director @ Red & Blue Ventures*

Brett co-founded Red & Blue Ventures and has more than two decades of venture capital and private equity experience. He has spent much of his career primarily focusing on investments in ecommerce, digital media, mobile applications, marketing technologies and B2B software. Prior to co-founding Red & Blue, he spent more than nine years at MentorTech Ventures. He represents Red & Blue as an observer on the Boards of MD Ally, Strella and Burrow. He also observes on the Board of goTenna representing MentorTech Ventures. He previously served on the Board of Wanderfly (acquired by TripAdvisor) and observed on the Boards of SeniorHomes.com (acquired by Bankrate), Curalate (acquired by Bazaarvoice) and TicketLeap (acquired by PatronManager). Brett is a magna cum laude graduate of the Wharton School, with a B.S. in Economics, with concentrations in Finance and Legal Studies and a Political Science minor from the College and Arts and Sciences.

Matt Van der Tuyn, Director of Design and Strategy, Center for Health Care Innovation

Matt Van Der Tuyn is the senior director of design and strategy at the Center for Health Care Innovation. Since joining the team in 2012, Matt has worked with staff from across the health system to explore how design principles can transform care delivery. Matt believes in an evidence-based design approach that emphasizes divergent thinking and active experimentation to de-risk assumptions and validate solutions.

Antonia Villarruel, Dean, University of Pennsylvania School of Nursing

When Antonia M. Villarruel decided to be a nurse, she never envisioned that she would become a pioneering nurse-researcher who would improve the health of underserved Latino communities or dean of the number one nursing school in the world. By taking advantage of opportunities — including earning an MSN at Penn Nursing — Dr. Villarruel is now the Margaret Bond Simon Dean of Nursing at Penn Nursing and an internationally renowned leader in research, policy and practice. The sixth dean of the School, she is only the second alumna to serve in this position and the first dean to serve who has prior and current NIH funding.

Lexi Voss, Visualizationist, Biomedical Library

Lexi Voss is Penn Libraries' inaugural Visualizationist, advancing the Libraries' 3D design and printing capabilities. In addition, she helps to develop VR services at Biomedical Library, and in particular, to develop 3D environments for research, teaching, and professional practice applications. Lexi has experience in rapid prototyping and design problem solving skills, project management, and customer relationships.

Mark Yim, Associate Professor; Gabel Family Term Junior Professor, Mechanical Engineering and Applied Mechanics, School of Engineering and Applied Science

Mark Yim is the Director of GRASP Lab at the University of Pennsylvania School of Engineering, Faculty Director of the Design Studio (Venture Labs) and the Asa Whitney Professor of the Mechanical Engineering and Applied Mechanics Department. Mark's research interests began with modular robots that are made up of identical active components that can be arranged to form many different configurations, ranging from a snake robot to a humanoid to a 17-legged centipede. These systems can also self-reconfigure, changing the robot's shape to suit the task. In addition to self-reconfiguring and self-assembling robots, Mark has also started work on flying robots, and task specification, working to figure out how to specify a task so that a robot configuration can optimally satisfy that task.

Collaborators:

University of Pennsylvania School of Nursing

Penn Nursing is built on a bedrock of doing more. Doing more—as clinicians—to save patients at the bedside. Doing more—as scientists—to solve unsolvable challenges. Doing more—as activists, policy makers, and leaders—to make high quality health and wellness care more accessible in our communities. Our mission is to make a significant impact on health by advancing science, promoting equity, demonstrating practice excellence, and preparing leaders in the discipline of nursing. <https://www.nursing.upenn.edu/>

Johnson & Johnson Nurse Innovation Fellowship Program

This ground-breaking, one-year, team-based nursing fellowship for Chief Nursing Officers (CNO), nurse executives, and senior nurse leaders, is focused on advancing healthcare by powering-up nurse-led innovation and leadership within health systems. Johnson & Johnson's sponsorship of the fellowship covers all attendance and travel costs for participants.

<https://nursing.inj.com/innovate-with-us/nurse-fellowship>

Eidos LGBTQ+ Health Initiative

Launched in January 2022, Eidos is the first program of its kind, cultivating change efforts as a connector and think tank. We bring together social enterprise, education, research, and community resources to create real-world applications that transform LGBTQ+ health. Taking an action-oriented business approach and backed by world-class research, we co-create innovative solutions that ensure impact for LGBTQ+ communities.

<https://penneidos.org/>

Penn Artificial and Technology Collaboratory for Healthy Aging (PennAITech)

The overarching goal of the Penn Artificial Intelligence and Technology (PennAITech) Collaboratory for Healthy Aging is to identify, develop, evaluate, commercialize, and disseminate innovative technology and artificial intelligence (AI) methods and software to support older adults and those with Alzheimer's Disease (AD) and Alzheimer's Disease and Related Dementias (ADRD) in their home environment. The Collaboratory is motivated by the need for a comprehensive pipeline from technology-based monitoring of older adults in the home, collection and processing monitoring data, integration of those data with clinical data from electronic health records, analysis with cutting-edge AI methods and software, and deployment of validated AI models at point of care for decision support.

<https://www.pennaitech.org/>