"Healthcare Engineering: Fostering Innovation" Workshop

Venue: New College of Engineering Building (H07), Board meeting room (C262)   **Date: 1st of February 2024**

The workshop will be organized jointly by the College of Engineering and the Health Cluster to explore and discuss the facets of collaboration in research for addressing challenges and driving innovation in healthcare. The main objective of this workshop is typically to know the capabilities of each other and to maximize the benefits of such capabilities supporting Qatar University's strategy. Moreover, this workshop will act as a catalyst to facilitate and foster collaboration between the College of Engineering departments and centers, and Health clusters, including the College of Medicine, College of Nursing, College of Pharmacy, College of Dental Medicine, and College of Health Sciences along with Biomedical Research Center and Laboratory Animal Research Center. Participants will gain insights into the capabilities of the two parties and the benefits of cross-disciplinary partnerships for successful collaboration. The outlined objectives and expected outcomes of the workshop align well with the shared goals of maximizing research capabilities enhancing Qatar University's ranking and achieving strategic objectives.

The main objectives of the workshop include:
- Providing an opportunity for participants from both sides to present their capabilities in applied research results and practical experience in the areas of biomedicine, biomedical engineering, bioelectronics, ….etc.
- Facilitating cross-disciplinary collaboration, fostering a shared understanding of the respective challenges, needs, and opportunities in the fields of engineering and healthcare.
- Supporting collaborative projects between the two sectors that advance innovation.
- Identifying common goals and areas of interest to form the basis for collaborative projects.
- Exchanging information about available funding sources and strategies for securing financial support for interdisciplinary projects.
- Creating opportunities for the faculty from the two sectors to network and build relationships for sustainable collaboration.

The expected outcomes of this workshop are
- Collaborating in projects that support students in both clusters.
- Providing a mechanism that supports seamless collaboration between two sectors (steering committee).
- Seeking opportunities for funding research projects in the areas of mutual interests and serving the QU strategy (e.g., securing funds from stakeholders, R&D projects through QRDI)
- Collaborating through curriculum (e.g., joint programs, teaching courses, joint affiliation)
- Fostering innovations.
- Organizing joint conferences
- Establishing a center of excellence for biomedical engineering

Opening and Welcoming Speech	
8:30 AM – 8:45 AM	Prof. Asma Al-Thani, Vice President for Health and Medical Sciences
	Prof. Ibrahim Al-Kaabi, Acting Vice President for Academic Affairs
	Prof. Mariam Al-Maadeed, Vice President for Research and Graduate Studies
	Dr. Khalid Kamal Naji, Dean of College of Engineering
Presentations:	
8:45 AM – 9:00 AM	Biomedical engineering as a global trend that bridges medicine/health and engineering. Dr. Feras Alali, AVP of Research and Graduate Studies, QU Health
9:05 AM – 9:20 AM	Research and Development in the College of Engineering Dr. Ahmed Massoud
9:25 AM – 9:40 AM	Research and Development at QU Health Dr. Mohamed Elrayess, Director of Basic Research, QU Health
9:45 AM – 10:00 AM	Research and Development in KINDI Computing Center Dr. Abdulaziz A-Ali, Director of KINDI Computing Center
10:05 AM – 10:20 AM	Research and Development at Hamad Medical Corporation Dr. Omar Aboumarzouk, Director of clinical and applied research, QU Health
10:25 AM – 10:40 AM	Research and Development in Computer Science and Engineering Dr. Amr Mohammed, Head of Department of Computer Science and Engineering
10:40 AM – 11:00 AM	**Break**
11:00 AM – 11:15 AM	Research and Development in Mechanical and Industrial Engineering Dr. Saud Ghani, Head of Department of Mechanical and Industrial Engineering
11:20 AM – 11:35 AM	Research and Development at Biomedical Research Center Dr. Huseyin Yalcin, Research Associate Professor, BRC
11:40 AM – 11:55 AM	Research and Development in Electrical Engineering Dr. Mohammed Al-Hitmi, Head of Department of Electrical Engineering
12:00 AM – 12:15 AM	Bridging the gap between QU Health and CENG Dr. Faleh Tamimi, Head of QU Health Innovation and Entrepreneurship Committee
Discussion and Brainstorming Session	
12:15 PM – 1:00 PM	Panel discussion