

Bioengineering in Ireland²¹

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Carton House, Maynooth

Conor Walsh



Conor Walsh is an assistant professor of mechanical and biomedical engineering at the Harvard School of Engineering and Applied Sciences and a core faculty member at the Wyss Institute for Biologically Inspired Engineering. He is the founder of the Harvard Biodesign Lab, which brings together researchers from the engineering, industrial design, apparel, clinical, and business communities to develop new technologies and translate them to industrial partners. His research focuses on applying disruptive technologies to the development of robotic devices for augmenting and restoring human performance. His research interests include new approaches to design, manufacture, and control of wearable robotic devices, and characterizing their performance through biomechanical and physiological studies.

Since joining Harvard as an Assistant Professor in 2012, his research group has secured almost \$10M in funding for translational focused research, filed over 10 patent applications for technologies being developed and published over 50 conference and journal papers. He is passionate about educating future innovators and has established the Harvard SEAS Medical Device Innovation Initiative that provides students with the opportunity to collaborate with clinicians in Boston and emerging regions such as India. His educational initiatives have supported almost 100 students whose projects have been recognized with academic publications, design awards and their own patent filings. Walsh's lab is highly translational focused and actively engaged with multiple established medical device companies who provide input on market needs for new technologies. In addition, he is actively engaged in entrepreneurship having won the MIT 100K Business plan competition, co-founded a company while a student at MIT and is a co-founder and on the technical advisory board of Soft Robotics Inc. – a new start-up that has spun out of Harvard.