

**2021 Distinguished Achievement Awards
Postgraduate Research Students of the Year**

Dr Ben Calverley, Faculty of Biology, Medicine and Health

Ben is an interdisciplinary student from a Maths and Physics background who came to The University of Manchester on the Wellcome Trust 4Y Quantitative and Biophysical Biology course. This course is a highly prestigious postgraduate programme of study in which students with a mathematics or physics degree immerse themselves in bioscience research. During his PhD, Ben addressed a broad set of questions related to collagen secretion and its assembly to form tendons, using a remarkably wide set of approaches including sophisticated methods of molecular biology, imaging and computational modelling.

In addition, Ben excelled in the community and among his student cohort. He has been a PhD student mentor, represented the University in rugby league, established the women's team, and has been an outspoken champion for the LGBTQ+ community and the Samaritans. He is a role model and ambassador for our University.

Ben has since secured a competitive postdoctoral position at Scripps in California.

Jack Holguin, Faculty of Science and Engineering

Jack Holguin has been described as one of the very top PhD students in theoretical physics to come out of the UK this year. He was nominated for the Distinguished Achievement Award for his ground-breaking work in perturbative quantum chromodynamics; to develop new ways to account for the emission of quarks and gluons in high-energy particle collisions in such a way as to significantly improve accuracy and to include quantum mechanical interference effects.

Previous algorithms are among the most cited works in particle physics because they are used in almost every collider physics analysis. Jack's papers pave the way for a next generation of high-precision simulation codes in particle physics.

Jack has secured a postdoc position at the Institute for Theoretical Physics at Saclay in Paris.

Karim Sidaoui, Faculty of Humanities

Karim Sidaoui is a PhD candidate in AMBS. He was nominated for his work ethic, development of academic skills, ambition, networking skills and contributions to the PGR community. Karim has also been a key part of the Management Sciences and Marketing Division PGR community and he has tirelessly volunteered in a wide range of PGR activities and supported MSM-organised events.

During his PhD studies, Karim helped the special interest group of the American Marketing Association on services research, SERVSIG fight a cyber-attack on their website and helped organise a large research development workshop at AMBS. Karim is active in discussions that support further improvements to the PhD programme. These reflect Karim's positive approach to life and willingness to help everyone he encounters.

Karim's achievements include two journal publications and successfully securing research funding. Karim was featured for recent academic achievements in the American Marketing Association's special interest group for doctoral students in marketing, AMA DocSIG Spotlight Series, was granted the Research and Development Management Association (RADMA) Doctoral Studies Award and was selected for the SERVSIG's Got Talent Summer AMA research showcase.

Karim secured a faculty position at Radboud University, Netherlands as Assistant Professor of Marketing during his PhD studies.