



# Exciting Metal-organic Frameworks: Electrons, Phonons, and Photons



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**Aron Walsh** is a Royal Society University Research Fellow and Full Professor in the Department of Materials. Aron joined Imperial College London in October 2016. He was awarded his PhD in Chemistry from Trinity College Dublin. He then worked for the US Department of Energy at the National Renewable Energy Laboratory (NREL), followed by a Marie Curie Fellowship hosted at University College London, and a European Research Council Fellowship held at the University of Bath. His research involves cutting-edge materials theory and simulation applied to problems across solid state chemistry and physics, including materials for solar cells and solar fuels, information storage, batteries, thermoelectrics and solid-state lighting. He has a particular expertise in the theory of semiconductors and dielectrics, and is developing innovative solutions for materials data, informatics and design.