



SEMINAR SERIES

# Progress of Planar Perovskite Solar Cells for Efficiencies above 20%



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**Dr. Juan-Pablo Correa-Baena** is a postdoctoral researcher in the group of Prof. Tonio Buonassisi at the Massachusetts Institute of Technology (MIT). Before joining MIT, he spent two years as a postdoctoral researcher in the groups of Profs. Anders Hagfeldt and Michael Grätzel at the Ecole Polytechnique Fédérale de Lausanne (EPFL). Originally from Colombia, he pursued his higher education studies at the University of Connecticut, USA. His PhD work focused on the study of porous metal oxide materials, in particular, transparent conducting aerogels, and their application in dye-sensitized solar cells. At EPFL he worked on perovskite solar cell research focusing on understanding the interfacial dynamics between the perovskite materials and the electron and hole selective layers and developing new strategies to improve efficiency in planar perovskite solar cells.