# Spring 2025 Physics Colloquium

Friday, March 7th

3:00 PM

PAS 201 or Zoom

(https://arizona.zoom.us/j/86395646910)


## Kyle Seyler

**University of Arizona**


# Light-driven quantum nanomaterials


**Abstract:** Quantum materials host a wide variety of collective electronic behaviors, from novel forms of magnetism to topological phases. The quest to discover, explore, and harness these unique behaviors drives much of modern materials physics. Ultrafast laser pulses play a key role in this quest since they can not only probe material properties but also manipulate them on fast timescales. In this talk, I will give an overview of this exciting field and discuss my new lab's efforts to manipulate quantum nanomaterials with light.


**** Refreshments served in PAS 218 at 2:30 PM – 3:00 PM ****

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