

2019—2020 ASTROPHYSICS SEMINAR SERIES

## Open Star Clusters as Laboratories for Stellar Rotational Evolution

Open clusters are critical benchmarks for calibrating stellar properties such as rotation and magnetic activity. I will discuss recent rotation measurements in open clusters, including the first periods measured for fully convective Hyads. Discrepancies between open cluster data and models of angular momentum evolution imply that we still do not fully understand how magnetic fields affect stellar spin-down. I will also discuss preliminary results showing how binary companions affect the evolution of stellar rotation, either by tidal forces or by disrupting disks around young stars.

**Monday, April 13th**

3:30 - 4:30 p.m.

Zoom Meeting ID: 978 950 037

<https://bostonu.zoom.us/j/978950037>**Stephanie Douglas**

CfA Harvard and Smithsonian