MIT Stellar Contamination Workshop

8:50 - 9:00 **Introductory Remarks** Julien de Wit & Benjamin Rackham

9:00 - 9:25 **[Review] The SPOTLESS project: Physical modeling of stellar activity effects to discover and measure exoearths** Ignasi Ribas

9:25 - 9:40 **Isolating stellar activity from Doppler shifts: A novel approach to CCF decomposition and radial velocity correction** Jordi Blanco-Pozo

9:40 - 9:55 **Mitigating stellar activity to characterise exoplanet atmospheres** Oscar Porqueras Leon

Coffee Break 9:55 - 10:25

10:25 - 10:40 **Impact of stellar activity on the high-resolution cross-correlation spectroscopy of exoplanet atmospheres** Vatsal Panwar

10:40 - 10:55 **Hide and seek with spots and planets** Samson Mercier

10:55 - 11:10 **Impacts of stellar inhomogeneities on high-resolution cross-correlation spectroscopy** Annabella Meech

11:10 - 12:00 **Discussion** Lunch/Discussion 12:00 - 1:00

1:00 - 1:25 **[Review] Understanding magnetic features on stellar surfaces** Alexander Shapiro

1:25 - 1:40 **Effect of stellar magnetism on limb darkening and transmission spectra** Nadiia Kostogryz

1:40 - 1:55 **Sensitivity of spectral lines to solar granulation** Sowmya Krishnamurthy

1:55 - 2:10 **SPHINX II: Other degeneracies that mimic starspots** Aishwarya Iyer

2:10 - 2:25 **Advances in flare modeling and mitigation for transmission spectroscopy observations of the TRAPPIST-1 system** Ward Howard

2:25 - 2:40 **Characterizing the atmosphere of TRAPPIST-1 e in the face of stellar contamination** Natalie Allen

Coffee Break 2:40 - 3:10

3:10 - 5:00 **Discussion**