TUESDAY, MARCH 08 — **AM Chair: Travis Metcalfe**

08:30 - 08:50	T. Metcalfe, H. Gilbert, S. Lipscy	Opening remarks
08:50 - 09:20	Andy Skumanich	The discovery path of the inverse square root of age relations for solar-type stars (invited review)
09:20 - 09:40	Alison Farrish	Modeling Stellar Activity-rotation Relations in Unsaturated Cool Stars
09:40 - 10:00	Sean Matt	Solar- and Stellar-Wind Torques from Observations and Theory
10:00 - 10:30	**COFFEE BREAK**	
10:30 - 11:00	Jason Curtis	Star Clusters Reveal Spin-down Temporarily Stalls (invited review)
11:00 - 11:20	Stephanie Douglas	Constraining Stellar Rotation at the Zero-Age Main Sequence
11:20 - 11:40	Luisa Rebull	Low-Mass Stellar Rotation Rates from ~1-~790 Myr
11:40 - 12:00	Trevor David	Pile-ups in the Temperature-Period Distribution: Further Evidence for Modified Spin-down in Sun-like Stars
12:00 - 13:30	**LUNCH BREAK**	**PM Chair: Ruth Angus**
13:30 - 14:00	Cecilia Garraffo & Ofer Cohen	The Role of Magnetic Complexity in the Rotation Evolution of Cool Stars (invited review)
14:00 - 14:20	Kristina Monsch	Connecting the disk dispersal phase to magnetic morphology-driven stellar spin down
14:20 - 14:40	Jeffrey Linsky	Are the Skumanich relations the same for chromospheric and coronal diagnostics?
14:40 - 15:00	Victor See	How does magnetic activity depend on stellar metallicity?
15:00 - 15:30	**COFFEE BREAK**	
15:30 - 16:10	Marc Pinsonneault	Lithium In Time (invited review)
16:10 - 16:35	Elizabeth Newton	Rotation and Li in a recently discovered young cluster (that also hosts an exoplanet)
16:35 - 17:00	Alexander Slater Binks	Constraining evolutionary models and ages of low mass stars with Li-depletion and rotation
17:30 - 19:30	**HOTEL HAPPY HOUR**	

WEDNESDAY, MARCH 09 — **AM Chair: Marc Pinsonneault**

08:30 - 09:00	Jennifer van Saders	Evidence for weakened magnetic braking in middle-aged stars (invited review)
09:00 - 09:20	Angela Breimann	Statistical Fitting of Rotational Evolution Models
09:20 - 09:40	Louis Amard	Chemical composition and stellar spin-down
09:40 - 10:00	Rafael Garcia	Architectures of rotating star-planet systems: Comparing theoretical predictions to observations
10:00 - 10:30	**COFFEE BREAK**	
10:30 - 11:00	Oliver Hall	Weakened magnetic braking supported by new asteroseismic rotation rates of Kepler dwarfs
11:00 - 11:20	Brian Healy	A Study of Stellar Spins in Open Clusters
11:20 - 11:40	Diego Godoy-Rivera	Novel gyrochronology tests with wide-separation binaries
11:40 - 12:00	Charlotte Gehan	Angular momentum transport on the red giant branch: impact of the stellar mass
12:00 - 13:30	**LUNCH BREAK**	**PM Chair: Jennifer van Saders**
13:30 - 14:00	Lyra Cao	Detecting Starspots in APOGEE spectra
14:00 - 14:20	Natalie Gosnell	Characterizing magnetic activity through the lens of sub-subgiant stars
14:20 - 14:40	Emily Leiner	Sub-subgiants in Gaia EDR3: A New Window Into the Strange Evolution of Active Giant Stars
14:40 - 15:00	Thomas Ayres	Wilson-Bappu 2022
15:00 - 15:30	**COFFEE BREAK**	

15:30 - 16:00	Diego Lorenzo-Oliveira	Building magneto-chronometers for solar-like stars (invited review)
16:00 - 16:20	Savita Mathur	Magnetic activity evolution on the main sequence from the Kepler observations
16:20 - 16:40	Andrew Couperus	Stellar Cycles in Fully Convective M Dwarfs: Astronomy Beyond a Funding Cycle
16:40 - 17:00	Alejandro Nunez	A Comprehensive Study of the Rotation-X-ray Activity Relation for Praesepe and the Hyades
17:30 - 19:30	**HOTEL HAPPY HOUR**	

THURSDAY, MARCH 10 — **AM Chair: Savita Mathur**

08:30 - 09:00	Yuxi Lu	Gyro-Kinematic Ages for around 30,000 Kepler Stars
09:00 - 09:20	Ryan Dungee	A 4-Gyr M Dwarf Gyrochrone from CFHT/MegaPrime Monitoring of the Open Cluster M67
09:20 - 09:40	Girish Manideep Duvvuri	Optical and UV Variability in the Far Ultraviolet M-Dwarf Evolution Survey
09:40 - 10:00	Rocio Kiman	A unified approach to M dwarf ages
10:00 - 10:30	**COFFEE BREAK**	
10:30 - 11:00	Adam Finley*	Measuring the Current Angular Momentum-Loss Rate of the Sun
11:00 - 11:20	Isabel Colman	Fast and automated detection of short-period rotators in TESS
11:20 - 11:40	Zach Claytor	Rotational Characterization of TESS Stars with Deep Learning
11:40 - 12:00	Rae Holcomb	An Automated, Autocorrelation-based Algorithm for Identifying Stellar Rotation in TESS Light Curves
12:00 - 13:30	**LUNCH BREAK**	**PM Chair: Keith MacGregor**
13:30 - 14:00	Matthias Rempel	The effect of small-scale magnetic fields on stellar convection and activity
14:00 - 14:20	Marianne Faurobert	Solar-cycle variations of internetwork magnetic fields
14:20 - 14:40	Timothy Brown	Rotating Stars and the Mid-Frequency Continuum
14:40 - 15:00	Sneha Pandit	Formation of activity indicators in a 3D model atmosphere
15:00 - 15:30	**COFFEE BREAK**	
15:30 - 16:00	Meredith MacGregor	The Proxima Cen Campaign - A Multi-Wavelength Picture of Stellar Flaring
16:00 - 16:20	Ward S. Howard	No Such Thing as a Simple Flare: Substructure and QPPs Revealed in 20 Second Cadence TESS Flares
16:20 - 16:40	Ekaterina Ilin	Mapping flare locations with time series observations of stellar ensembles
16:40 - 17:00	Yuta Notsu	Recent observations of superflares on solar-type stars over various ages, and possible mass ejections
18:00 - 20:00	**AVANTI RECEPTION**	**boulder.avantifandb.com (1401 Pearl St, Flatiron rooftop)**

FRIDAY, MARCH 11 — **AM Chair: David Soderblom**

08:30 - 09:00	Jamie Tayar	The future of stellar rotation surveys (invited review)
09:00 - 09:20	Orlagh Creevey	How Gaia DR3 will advance our understanding of the evolution of rotation and magnetic braking in stars
09:20 - 09:40	Derek Buzasi	Building A Solar Analog Sample
09:40 - 10:00	Philip Judge	Study the tortoise, not just the hare
10:00 - 10:30	**COFFEE BREAK**	
10:30 - 10:50	Valentin Martinez Pillet	The early spectropolarimetric inversions
10:50 - 11:10	Jose Carlos del Toro Iniesta	Nice memories from a collaboration on sunspots
11:10 - 11:30	Axel Brandenburg	Skumanich-55 revisited
11:30 - 12:00	Keith MacGregor	Closing remarks
12:00 - 12:30	**ADJOURN**	