

# On the use of Gaia astrometry to identify companions in Young Stars

*Wednesday 27 August 2025 14:00 (20 minutes)*

I will show how to use Gaia astrometry to identify binaries and companions in Young Stars. I will exemplify the power of this technique with a few science cases, from newly identified protoplanets within protoplanetary disks to a reassessment of the multiplicity of the populations of circumbinary and transition disks. I will conclude looking forward to the upcoming Gaia DR4 and the revolution it will bring for multiplicity analyses, once all individual epochs are published.

**Presenter:** Dr VIOQUE, Miguel (European Southern Observatory)

**Session Classification:** Planet formation and stability in multiple systems