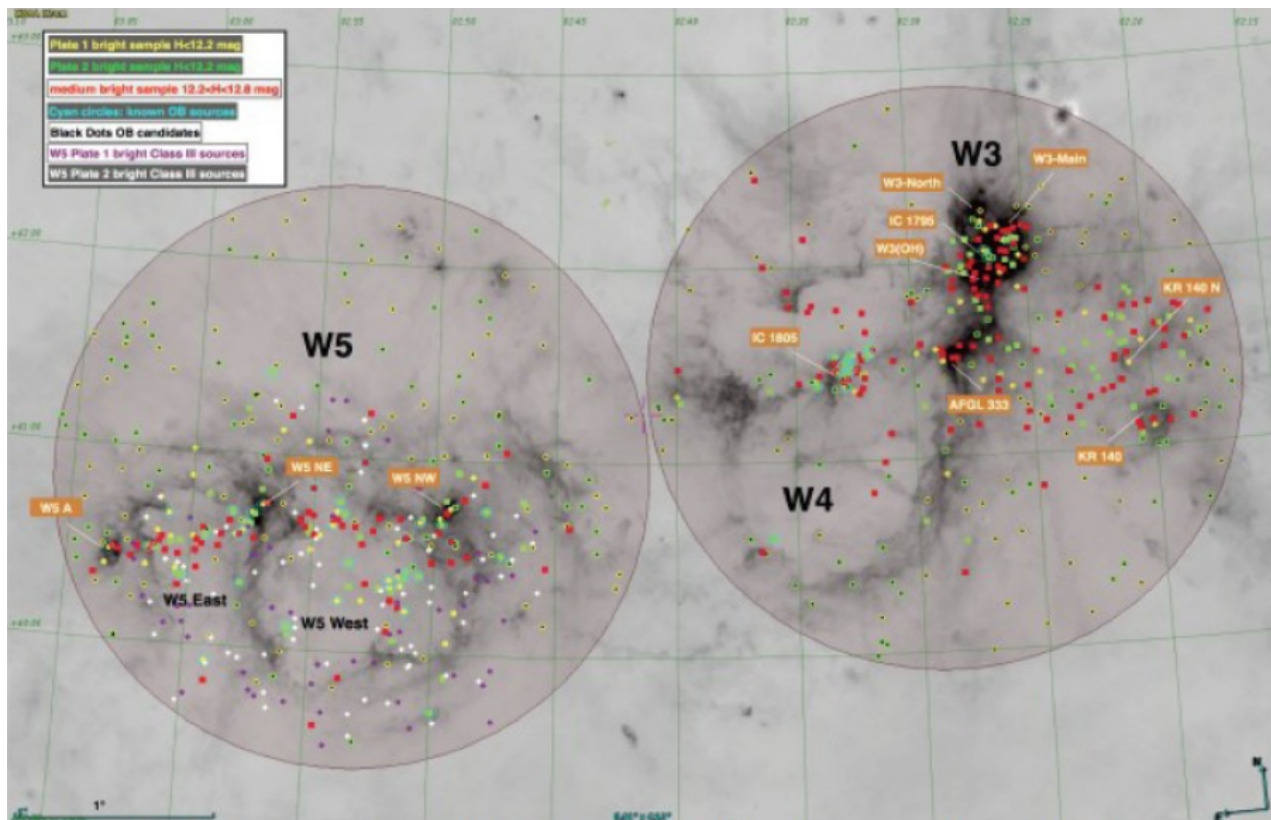


# Seminario

Miércoles 03 de octubre, 2018, 11 hrs (PST), Auditorio IA-Ensenada

## Massive stars through the SDSS-IV – APOGEE2 eyes: W3, W4 and W5



**Figure 3:** The SPITZER 8 $\mu$ m image of the W345 complex. The left circle represents the APOGEE2 field centered on the W5 star-forming region. The right one encompasses both W4 (seem as a void to the SE) and W3 (the dark concentration to the NW) fields. The cyan circles indicate the known OB stars, while the black ones point the OB star candidates.

### Dr. Alexandre Roman (Universidad de La Serena – Chile)

In this talk I will present the first results obtained by the APOGEE2 massive stars team on the study of the W3, W4 and W5 northern Galactic star forming regions. The large field of view (diameter  $\sim 2.5$  degrees) associated to the excellent APOGEE's spectral resolution ( $R \sim 22000$ ) enables us to study the entire molecular complex accessing for the first time most of its OB population, together with hundreds of YSO candidates.