Main sequence stars

* Mass = 0.8 Msun
* [Fe/H] = -1.75
* He enriched stars have lower lifetime, higher L and Teff, less total mass loss, redder zero age HB, high Na
* Due to stellar evolution, He rich stars avoid the AGB (asymptotic giant branch) phase

Difficult to measure helium abundance:

* Only one chromospheric line in cool stars
* NGC 2808 and Omega Centauri: He increases by 0.17, metallicity shows He mass fraction Y ~ 0.25 therefore, Ymax ~ 0.42

Multiple stellar populations effect their host galaxy:

* Origin of abundance variations not due to standard galactic chemical evolution