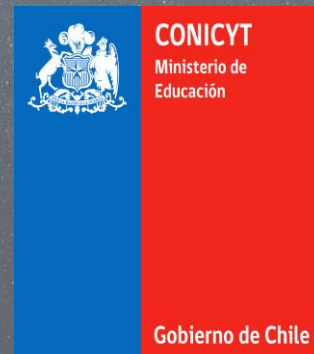


# Interview Lagrange Laboratoire Observatoire de la Côte d'Azur, France Dr. G. Kordopatis & Dr. V. Hill

**F. Gran**, M. Zoccali, I. Saviane, E. Valenti,  
A. Rojas-Arriagada, R. Contreras Ramos, J. Hartke,  
J. Carballo-Bello, C. Navarrete, M. Rejkuba & J. Olivares

**fegran@uc.cl**

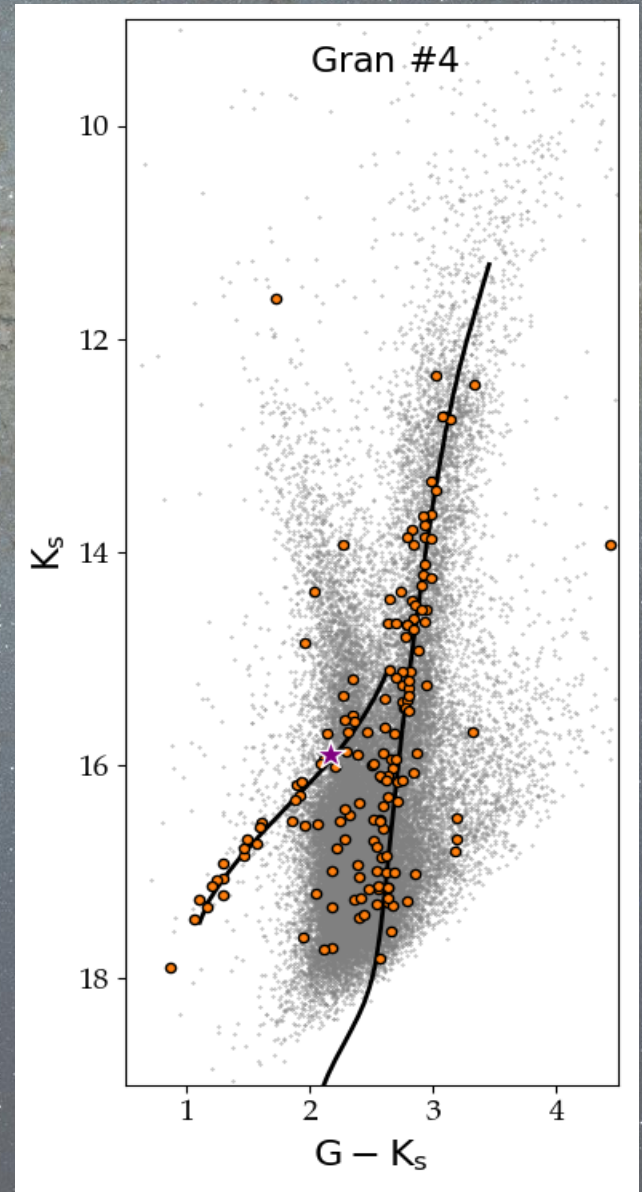
This presentation is available at  
**[fegran.github.io/Interview\\_Nice.pdf](https://fegran.github.io/Interview_Nice.pdf)**





# Past and current research interests

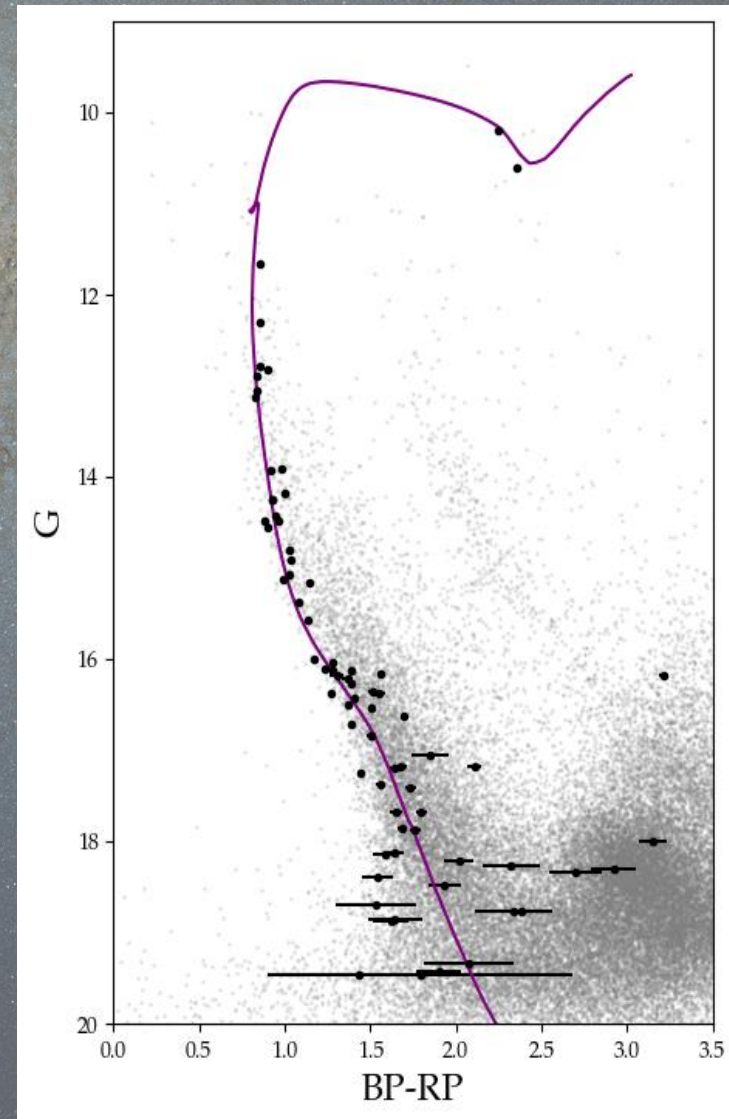
- Surveys:
  - Gaia, VVV, APOGEE
- Galactic bulge:
  - Structure with RR Lyrae stars
  - Globular clusters
- Variable stars:
  - Automatic classification
- **Proper motions as a key concept**





# Past and current research interests

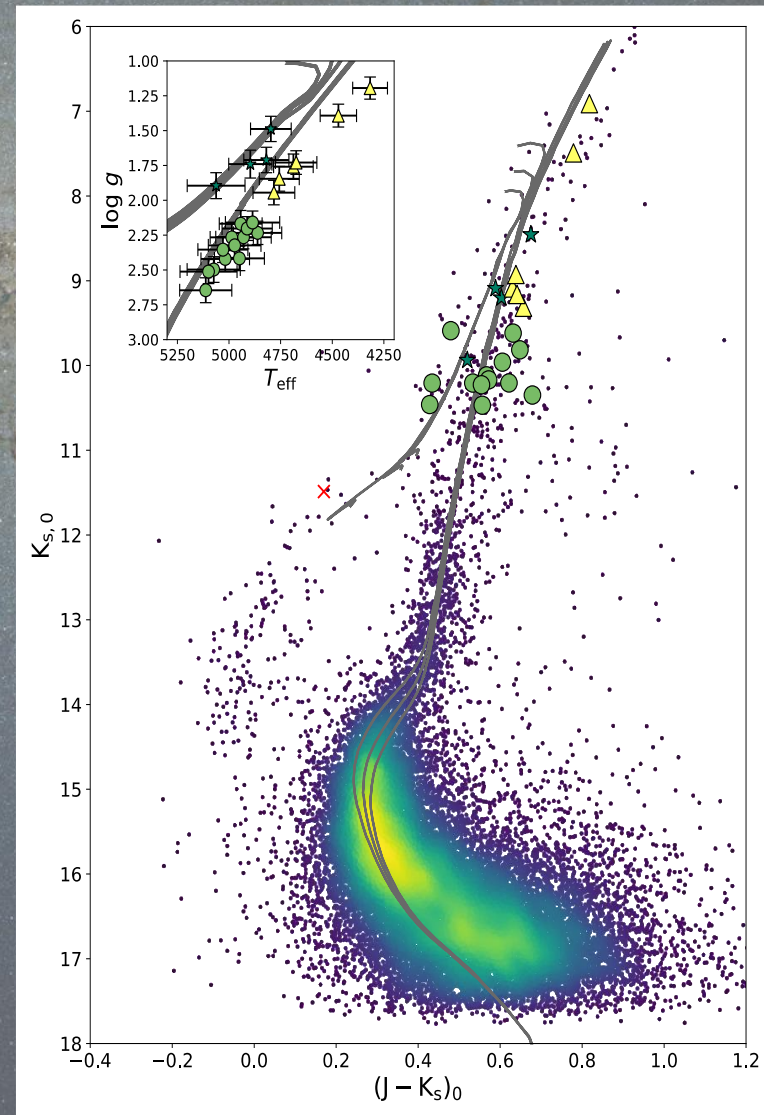
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# Past and current research interests

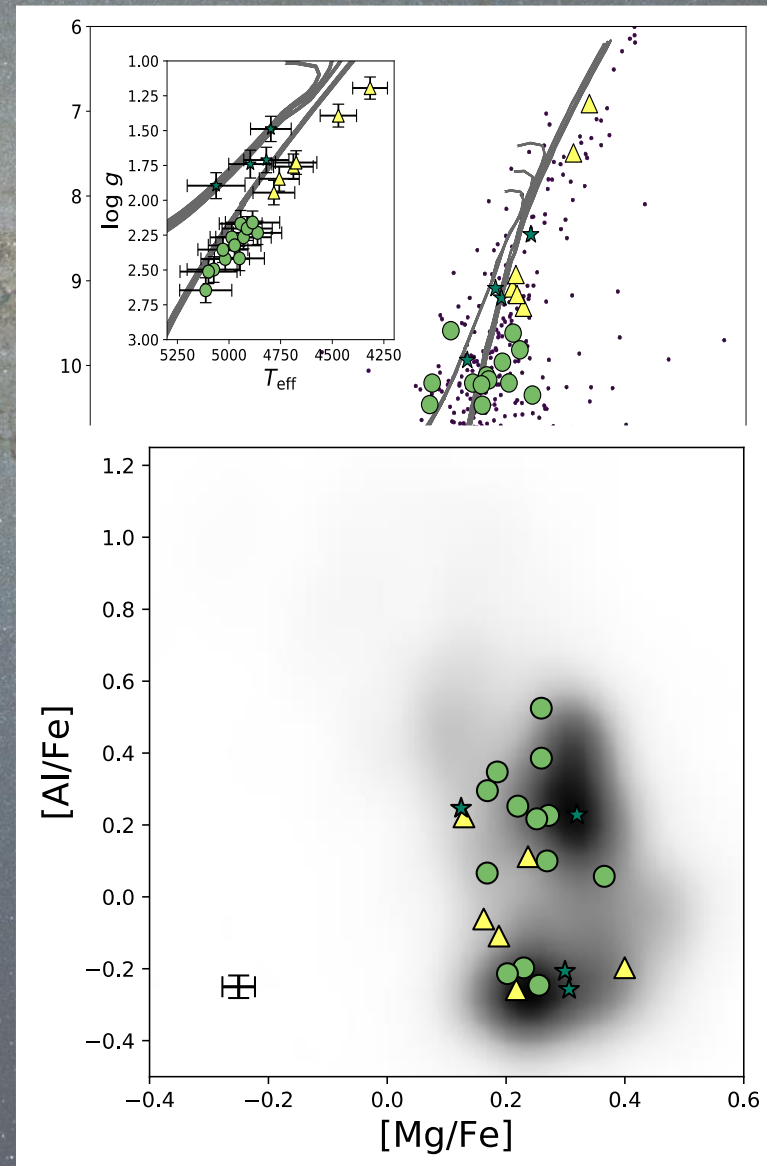
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# Past and current research interests

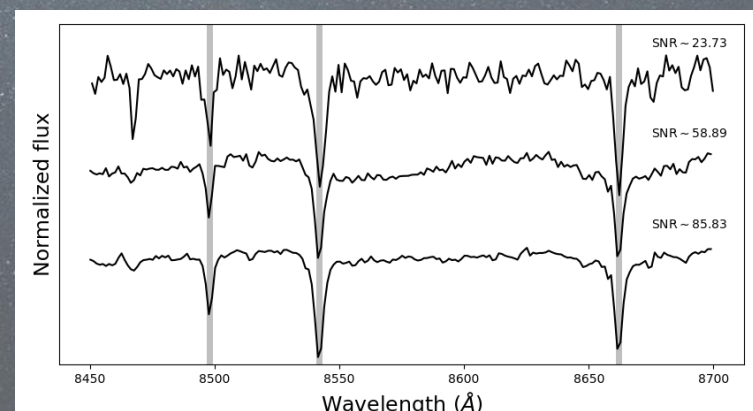
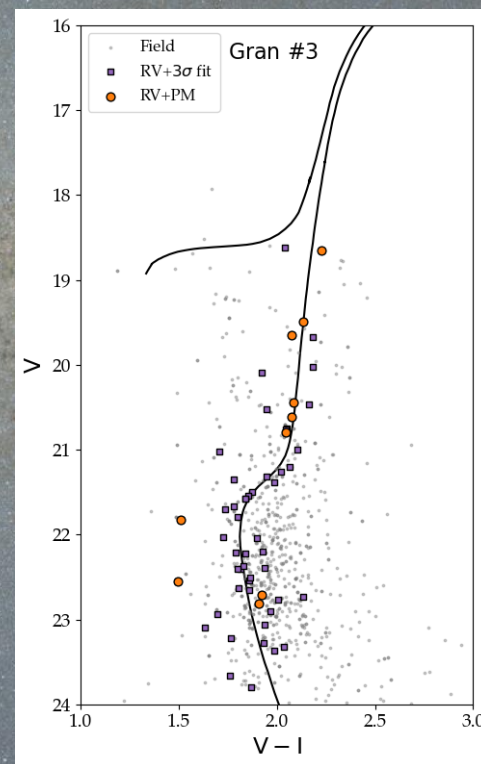
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# Past and current research interests

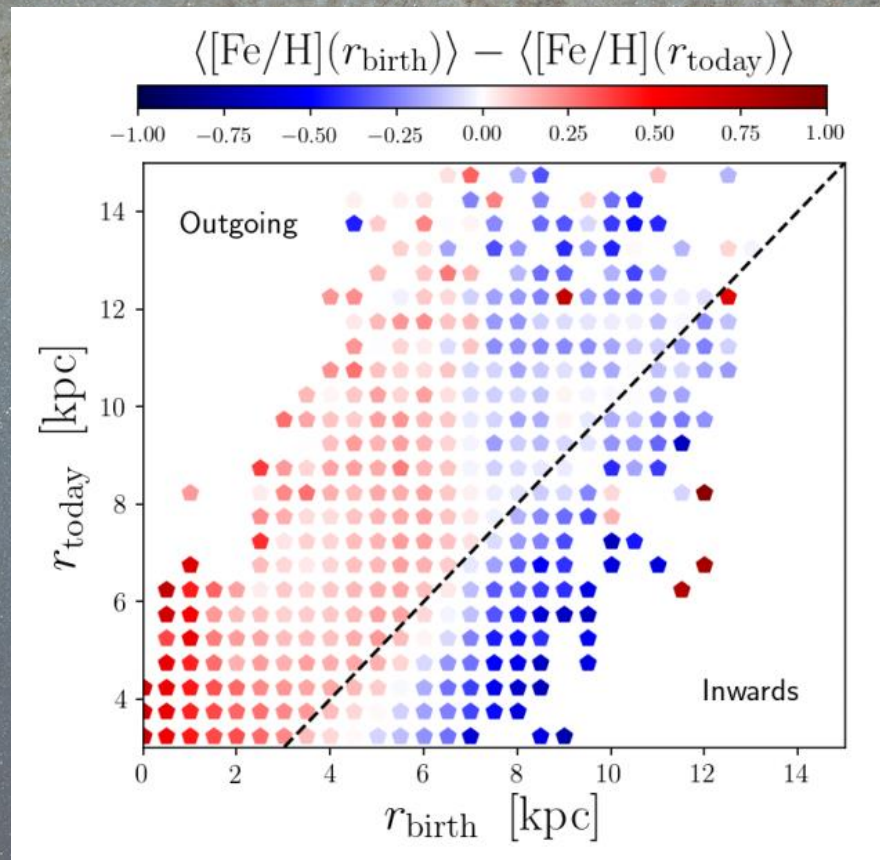
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  - Automatic classification
- **Proper motions as a key concept**





# Research description and Plan

- Radial migration of disk stars:

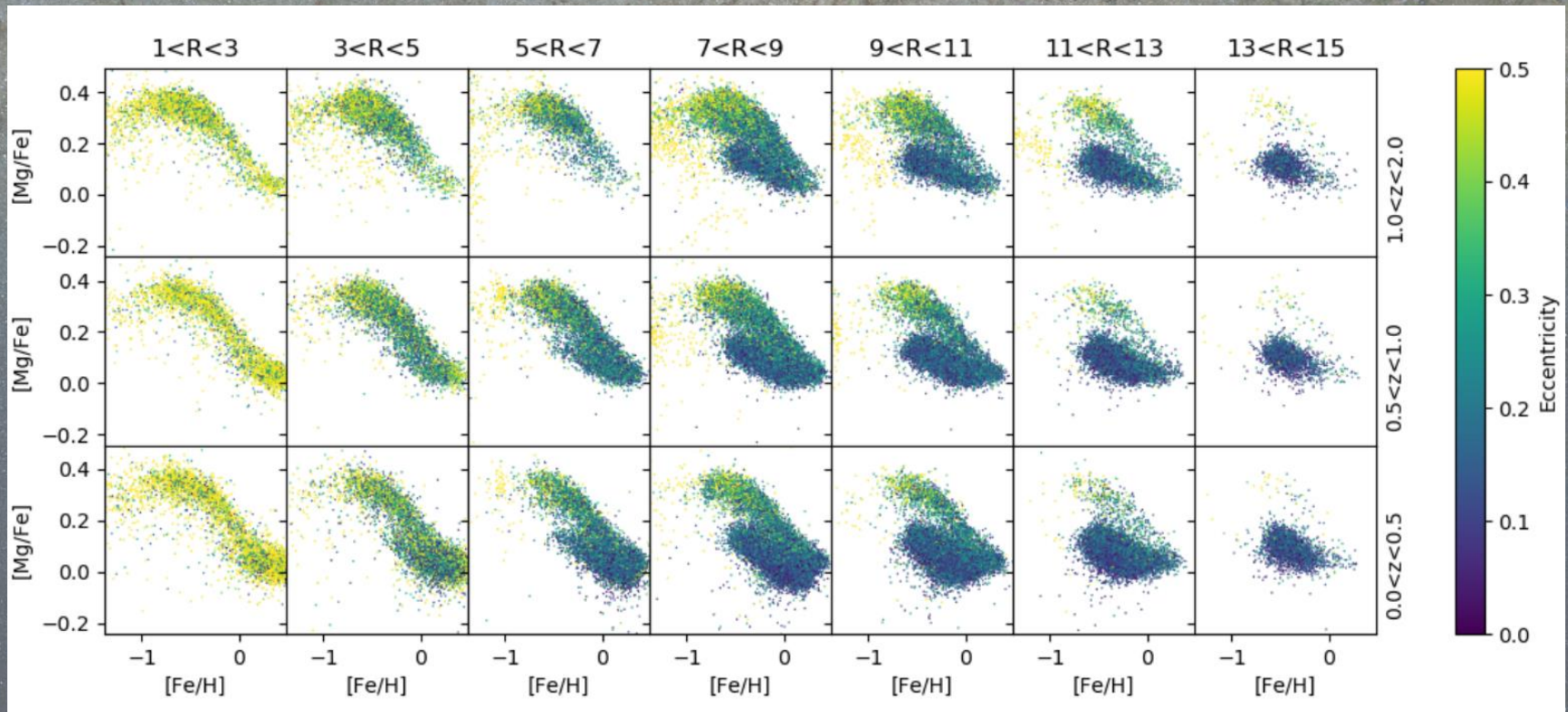


Vincenzo & Kobayashi (2020)



# Research description and Plan

- Thin-thick disk separation:

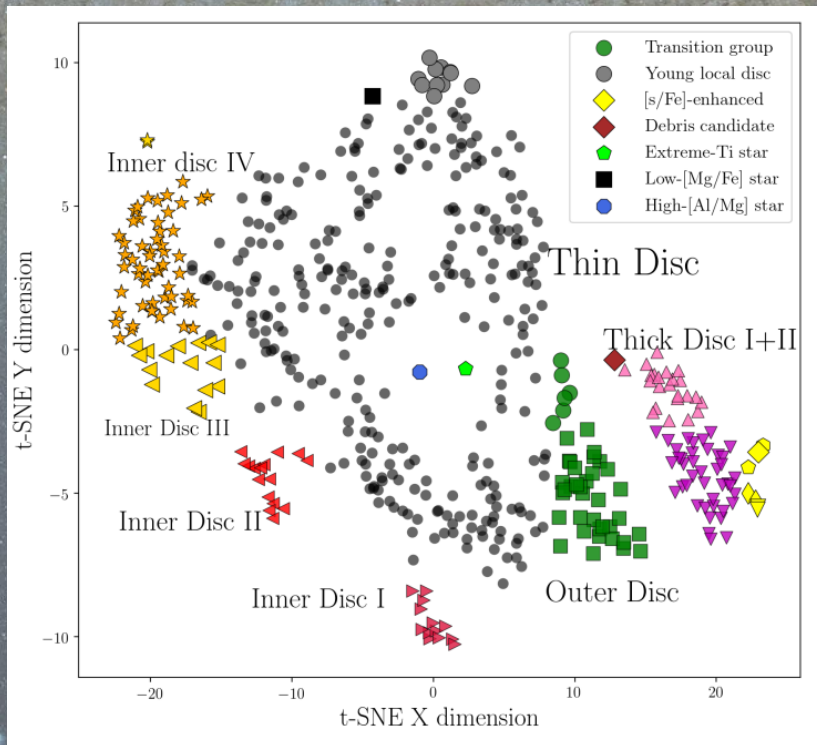


SDSS-IV Colaboración et al. 2021

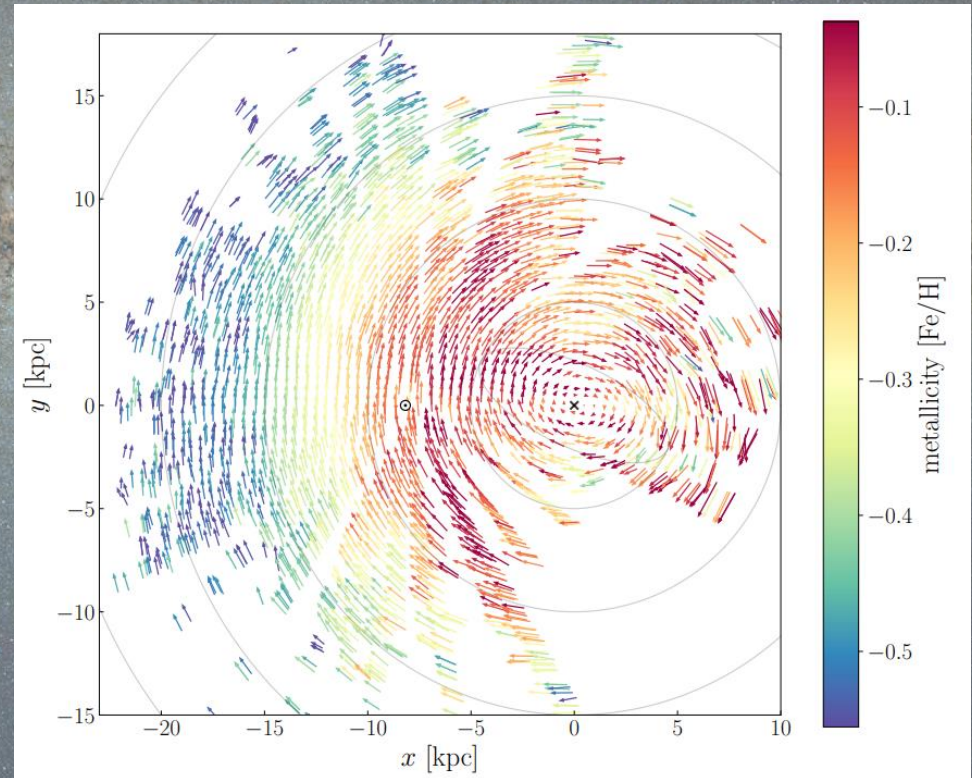


# Research description and Plan

- Other projects:



Anders et al. 2018



Eilers et al. 2021

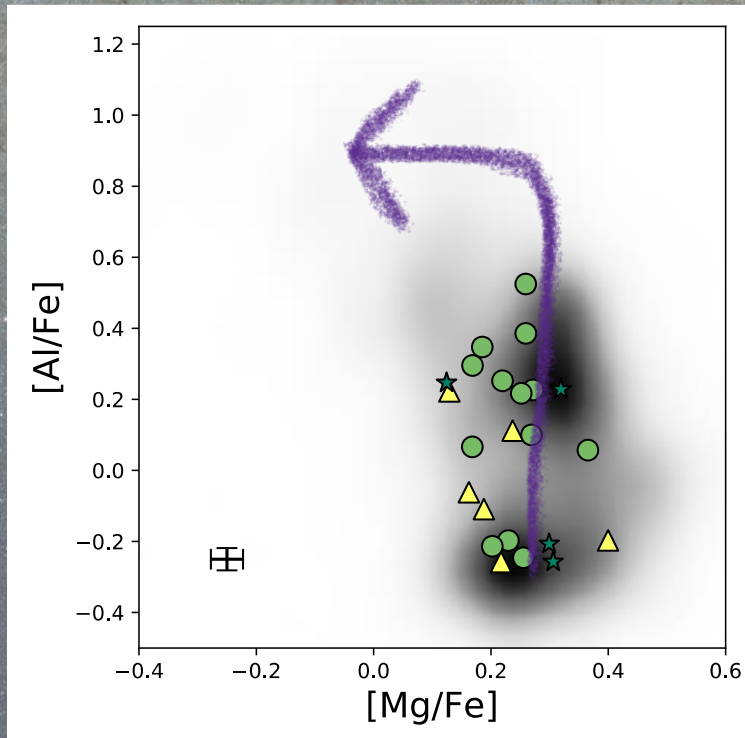




Thank you!

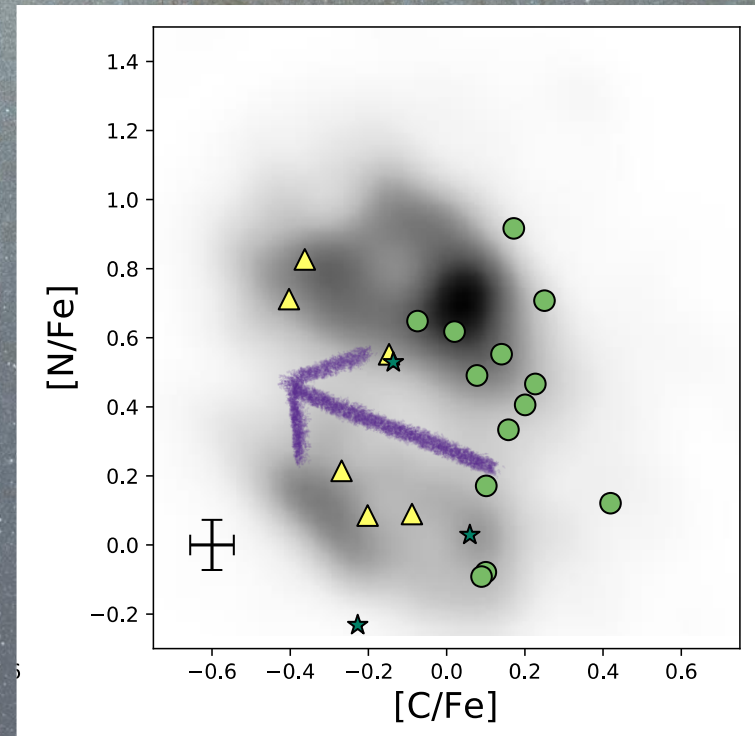


# Known anticorrelations in NGC 6544



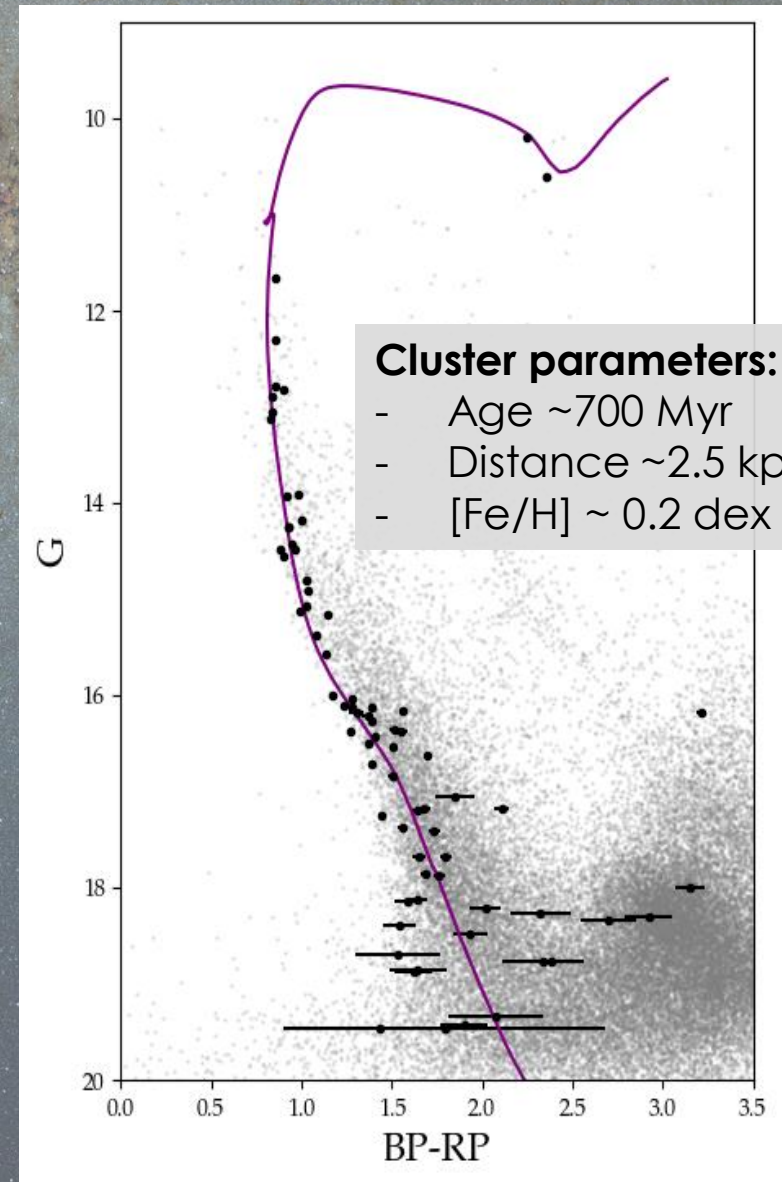
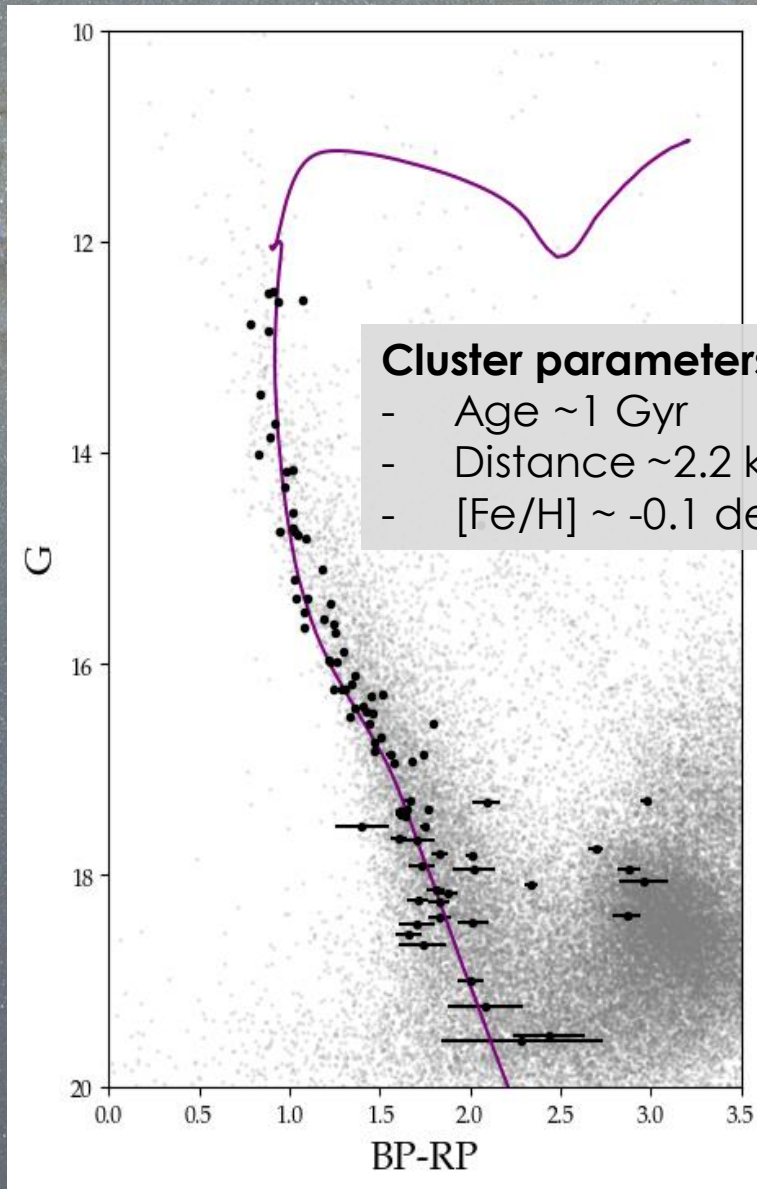
- Lower RGB (below the bump)
- ▲ Upper RGB (above the bump)
- ★ AGB

Background: APOGEE clusters



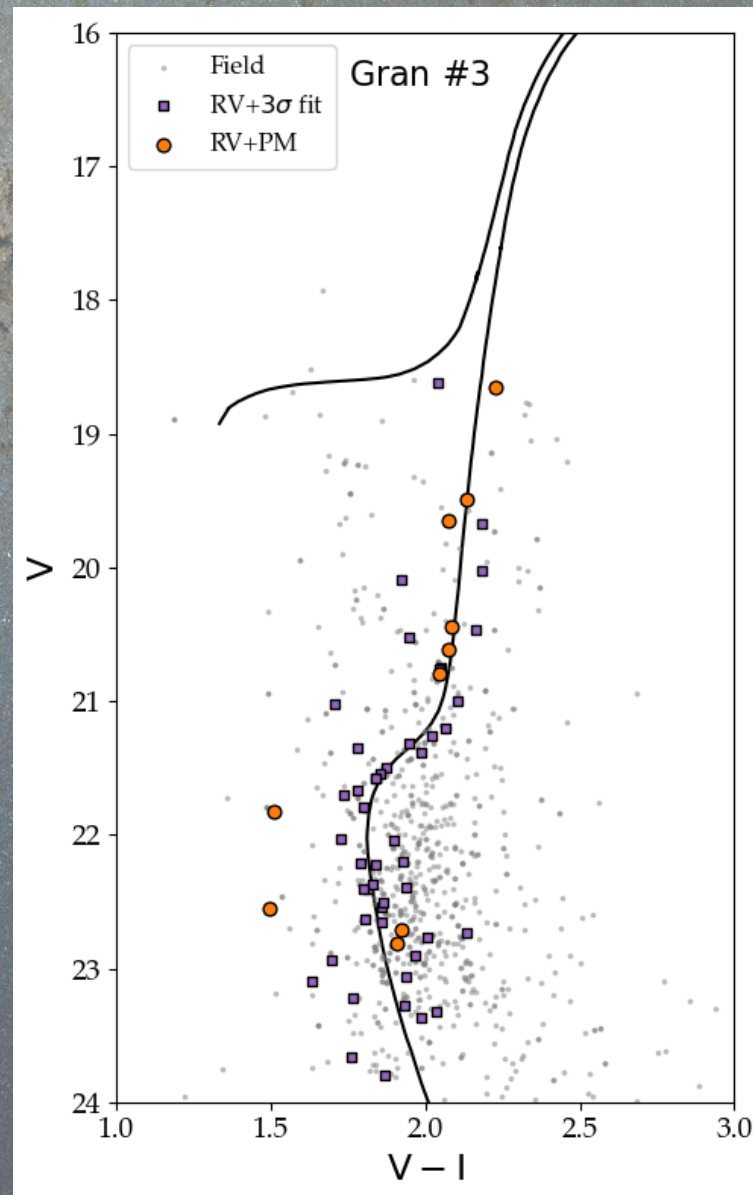
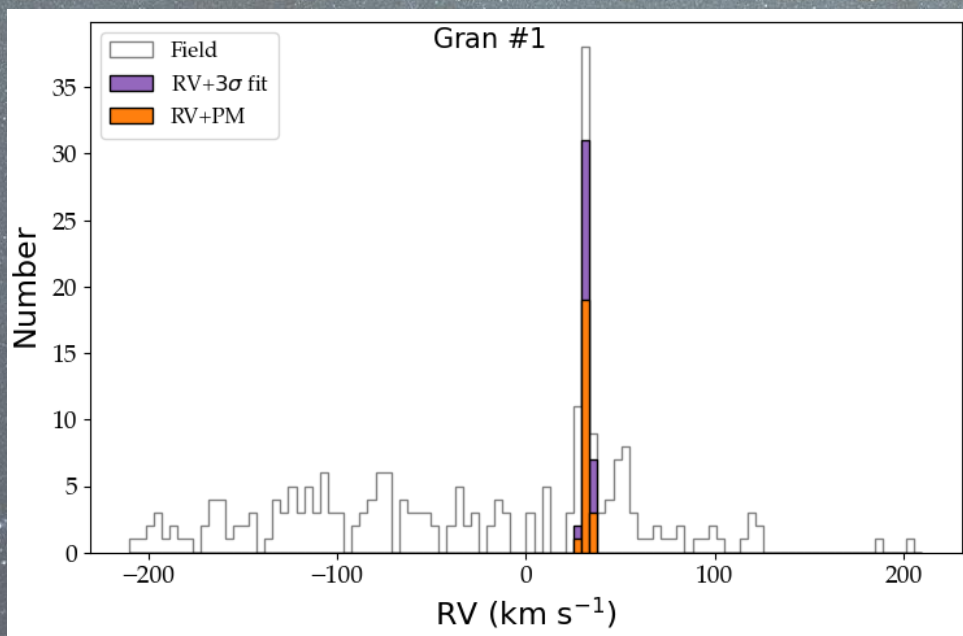
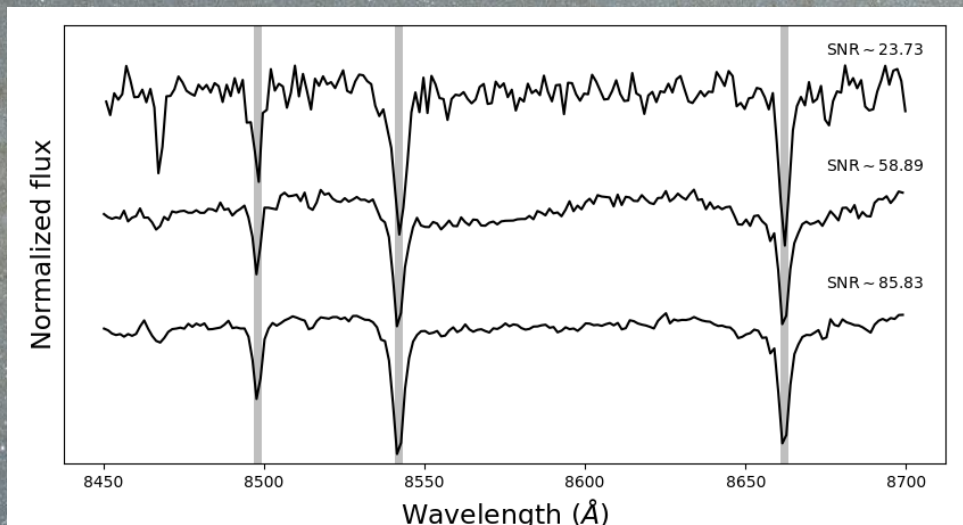


# Open clusters towards the Galactic bulge





# MUSE observations: P103 & P105





# MUSE CMD of Gran #1

