

Program of the GREAT/ESF Workshop "The metallicity distribution in the Milky Way discs"
Bologna, May 29-31 2012

May-29

9:30 A. Bragaglia & Director of OABO, Welcome

Session 1 : The theorists view and wishes (chairperson E. Pancino)

9:45-10:10 **Chieffi - Stellar yields**

10:10-10:25 Nanni - Asymptotic Giant Branch dust production at different metallicities

10:25-10:40 Maiorca - The s-element evolution in the Galactic disc. The role of open clusters and the new s-process scenario

10:40-10:55 O. Straniero - The fundamental role of the metallicity in the nucleosynthesis of heavy elements

10:55-11:20 coffee break

11:20-11:45 **D. Romano - Chemical evolution models**

11:45-12:00 V. Grieco - Chemical evolution of the Galactic Bulge

12:00-12:15 J. Rybizki - Correlations between stellar dynamics and metallicity in the discs from a theorists' perspective

12:15-12:30 A. Font - The formation of the Milky Way disk in the cosmological context

12:30-14:30 lunch (buffet lunch at the Bologna Observatory, Aula Seminari (floor -1) - 5 minutes away

NO afternoon TALKS - all University buildings closed for earthquake

NEW LOCATION : INAF - IRA (CNR Research Area) : many thanks to L. Feretti, Director of IRA

May-30 **MAY 30 : talks rescheduled (chaiperson A. Recio Blanco)**

9:00 - 9:15 F. Calura - chemical abundances and cosmological simulations: how far from the truth?

9:15 - 9:40 **R. Roskar - Stellar migration**

Session 2 : The current empirical scenario

9:40 - 10:05 **A. Moitinho - The structure of the Galactic discs**

10:05 - 10:30 **C. Allende-Prieto - The abundance distribution in the thin disc**

10:30 - 10:55 **T. Bensby - The abundance distribution in the thick disc**

10:55 - 11:20 coffee break

11:20 - 11:45 **M. Lattanzi - Gaia and the Galactic thin and thick discs**

- 11:45 - 12:10 **O. Gonzalez - The metallicity distribution in the Galactic Bulge**
12:10 - 12:35 **N. Pryzbilla - The radial metallicity gradient from OB star and HI region measurements**
12:35 - 13:00 **B. Lemasle - The radial metallicity gradient from Cepheids measurements**

Lunch

(continued) (Chairperson S. Lucatello)

- 14:05 - 14:20 C. Worley: Metallicity distribution with the FEROS archived spectra
14:20 - 14:45 **E. Friel - The radial metallicity gradient as traced from open clusters**
14:45 - 15:00 R. Carrera - Open clusters and abundance trends in the Galactic disc
15:00 - 15:15 P. Donati - The BOCCE project: open clusters as tracers of the Galactic disc
15:15 - 15:40 **G. Tautvaisiene - CNO abundances in open clusters and field stars**
15:40 - 16:06 **L. Magrini - The metallicity gradients in Local Group galaxies**

coffee break

Session 3 : Taking the global picture (chairperson R. Blomme)

- 16:30 - 16:55 **A. Bressan - Evolutionary models and age determinations**
16:55 - 17:20 **van Leeuwen - Open clusters as observational isochrones**
17:20 - 17:35 L. Stanghellini - Planetary Nebulae as probes of the Milky Way structure
17:35 - 17:50 A. Miglio - asteroseismology
17:50 - 18:05 M. Valentini - Application of asteroseismic results in the field of Galactic research
18:05 - 18:20 E. Delgado Mena - Galactic stellar populations and planets for the HARPS GTO sample

May-31 location : INAF- Osservatorio Astronomico, via Ranzani 1

- 9:15 - 9:30 D. Montes - Chemical tagging of FGK stars: testing membership to stellar kinematic groups

Session 4 : Expectations from Gaia and large spectroscopic Surveys (chairperson C. Cacciari)

- 9:30-9:55 **C. Jordi - Gaia**
9:55-10:20 **S. Randich - The Gaia-ESO Survey**
10:20-10:35 P. Sestito -The world Space Observatory - Ultraviolet (WSO-UV) mission
10:35-11:00 **K. Freeman - HERMES**

11:00-11:35 coffee break

11:35-11:50 **A. Vallenari – More on GES clusters**

11:50-12:15 **J. Johnson - SEGUE and Apogee**

12:15-12:30 J. Sobek – Recent SEGUE [alpha/Fe] findings

12:30_12:55 **G. Gilmore - Conclusions and Perspectives**

END of WORKSHOP