

# **The stellar initial mass function in clusters and galaxies**

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## **Abstract**

In this lecture, we will attempt to review some of the main observational results that have been obtained for the initial mass function (IMF) of stars in stellar clusters, the Milky Way, and in external galaxies. We will then explore some of the currently prevailing (and competing) ideas on the origin of the IMF such as turbulent fragmentation, accretion, coalescence and ejection.

## **Information:**

**Date:** Monday, December 10, 2012 at 11:30

**Place:** IPM Larak Building, School of Astronomy