SEMINARIO DI ASTROBIOLOGIA

Giovedì 19 maggio 2016
ore 10:30

Scuola Normale Superiore
Pisa
Aula Bianchi (Scienze)

Linda Podio
Osservatorio Astrofisico di Arcetri, Firenze

Nell’ambito del Corso di Astrobiologia terrà un seminario dal titolo:

“The water trail from the cradle of a young Sun to Earth-like planets”

Abstract:
Water is a crucial ingredient for the emergence of life. Therefore one of the most intriguing issues in the field of Astro-biology and Astro-chemistry is to understand the origin of water on Earth. We know that our oceans contain an amount of water of about a few thousandth of the total Earth mass. However, meteorites indicates that the inner Solar System was dry. So, when and how did water arrive on Earth? Is our planet a special case or is there water, and possibly life, also in extra-solar planets orbiting Sun-like stars in our Galaxy? To answer to these questions we need to follow the water trail from the dense cores where Sun-like stars form to protoplanetary disks, the birthplace of planets. I will show recent observations obtained with the Herschel Space Observatory and illustrate how these observations can help us to understand the origin of water on our planet.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali