

Öffentliche
Vortragsreihe

Nachts auf der Sternwarte...

Freitag, 12. September 2025, 18:30

Einlass 18:00 – 18:45

Moving nurseries

Sun
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The dynamic story
of star formation
in our galactic
neighborhood

Cameron Swiggum

Hörsaal der Universitätssternwarte

(Eintritt frei)

Livestream: <http://sternwartennaechte.univie.ac.at>



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Moving nurseries: The dynamic story of star formation in our galactic neighborhood

Dr. Cameren Swiggum

The Gaia space telescope has transformed how we see the stars around us. Its precise three-dimensional map allows us to trace where young stars were born and how they have moved over millions of years. When combined with new 3D maps of gas and dust, we can also see how star-forming clouds are connected into larger Galactic structures, and how giant bubbles and voids were blown open by past explosions of massive stars. By “rewinding” the orbits of young clusters, we can reconstruct the recent history of our patch of the Galaxy and uncover how star formation is linked to the design of the Milky Way. In this talk, I will show how this new three-dimensional view is reshaping our understanding of how stars are born in the Galaxy.

The lecture will be given in the lecture room of the University Observatory and will also be streamed online. The link to the video stream can be found on our home page:

<http://sternwartennaechte.univie.ac.at>

The lecture will be given in English.

Der Vortrag findet im Hörsaal der Universitätssternwarte statt und wird gleichzeitig online übertragen. Der Link zum Videostream ist auf unserer Homepage zu finden:

<http://sternwartennaechte.univie.ac.at>

Der Vortrag ist in englischer Sprache.