

# 11<sup>TH</sup> NORTH AMERICAN PALEONTOLOGICAL CONVENTION



JUNE 23 - 27, 2019 RIVERSIDE, CALIFORNIA

## SYMPOSIUM



### **Cambrian Konservat-Lagerstätten and the emergence of modern-style marine ecosystems**

**Organizers:** R. Lerosey-Aubril (Harvard University), R. Gaines  
(Pomona College), X.l. Zhang (Northwest University)

The diversification of animals in the Cambrian is a critical episode of the history of life, and represents a profound state change in the Earth system. Associated with the colonization of new habitats, this adaptive radiation has led to both a profound restructuring and a major complexification of marine ecosystems. In particular, the advent of motility and the diversification of feeding habits dramatically increased interactions between their constituents, resulting in a high level of interdependence – a key characteristic of modern marine communities.

Konservat-Lagerstätten represent primary sources of palaeontological information for the Cambrian period and as such, remain critical for testing hypotheses about the triggers and modalities of this adaptive radiation of early metazoans. This symposium will be dedicated to these exceptional deposits and the remarkable fossil assemblages they yield. It will aim to present and discuss the most recent advances on this topic, but also to identify novel approaches that might permit a more thorough exploitation of this invaluable source of data.

*This symposium will be associated with a poster session and ideally complemented with attendance to the post-conference field trip to the Cambrian Lagerstätten of Utah. For more information visit the NAPC 2019 website (<https://nipc2019.ucr.edu>) and/or contact me directly ([leroseyaubril@gmail.com](mailto:leroseyaubril@gmail.com)).*

*Deadline for abstract submission: **March 1, 2019***