

# Life, Earth & Environment Seminar Series

When: Thursday 23<sup>rd</sup> April, 12 – 1 pm

Where: Natural Resources Building, Lecture Theatre 1 (EM1)

## A remarkable new fossil assemblage from the Burgess Shale at Marble Canyon, Kootenay National Park



**Dr. Robert Gaines**  
**Pomona College, California USA**

The Cambrian explosion was a singular event in the history of life on Earth, best recorded by the Burgess Shale and other deposits like it. In 2012, an extraordinary new fossil assemblage from the Burgess Shale was discovered in Kootenay National Park. This talk will provide an overview of the Marble Canyon assemblage and new insights into the Cambrian explosion.

### Biography

Dr Gaines is an Associate Professor at Pomona College. His research interests include the Cambrian Explosion and microbial-mineral interactions as a link between the geosphere and the biosphere.



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