

# APS Paleo 2018

## Mount Royal University

4825 Mount Royal Gate SW, Calgary, Alberta

Presented in conjunction with the Canadian Society of Petroleum Geologist Palaeontological Division and the Mount Royal University Department of Earth and Environmental Sciences.

Lectures and poster displays will take place on Saturday, March 17, 2018 from 9:00AM to 5:00PM. The workshops will be held on Sunday, March 18, 2018 from 9:00- 12:00 or 1:00-4:00.

### **Saturday events are free to the public**

There will be fossil displays and activities of interest to a wide audience including families. The Sunday workshops require pre-registration and a small fee.

### **Saturday, March 17 Speaker Schedule**

All talks will be held in the Jenkins Theatre, lower level of Mount Royal University

#### **Saturday, March 17 Presentations**

- 9:00 AM** Opening statements by **APS President Cory Gross** and Paleo 2018 instructions by **APS Program Coordinator Harold Whittaker**
- 9:10 AM** Mount Royal University's Cretaceous Land Exhibit  
**Dr. Wayne Hagland represents the Department of Earth and Environmental Sciences, Mount Royal University**
- 9:15 AM** On the trail of dinosaurs from western Canada  
**Dr. Richard McCrea, keynote speaker, is the Museum Director and Curator of Palaeontology at the Peace Region Palaeontology Research Centre in Tumbler Ridge, British Columbia.**
- 10:15 AM** Coffee Break.
- 10:30 AM** Where the sharks and centrosaurs play: the northeastern-most exposures of the Dinosaur Park Formation in Western Saskatchewan

**Dr. Emily Bamforth is the Assistant Curator of Palaeontology at Royal Saskatchewan Museum at the T. Rex Discovery Centre, Eastend, Saskatchewan.**

**11:00 AM** British Columbia's first dinosaur skull: From discovery to preparation  
**Tammy Pigeon is a technical assistant and museum preparator at the Peace Region Palaeontology Research Centre in Tumbler Ridge, British Columbia.**

**11:30 AM** The Bighill Creek Formation (Late Pleistocene) of Alberta and its vertebrate palaeofauna: Endangered resources  
**Dr. Michael Wilson is a paleontological and geoarchaeological consultant.**

**12:00 Noon Lunch Break and Poster Display**

**1:00 PM** Faunal and climate change at the end of the Cretaceous: the Alberta perspective  
**Dr. Francois Therrien is Curator of Dinosaur Palaeoecology at the Royal Tyrrell Museum of Palaeontology.**

**1:30 PM** Birding by foot: Variation in the preservation of modern bird tracks and identifying fossil bird tracks  
**Dr. Lisa Buckley is the Curator and Collections Manager at the Peace Region Palaeontology Research Centre in Tumbler Ridge, British Columbia.**

**2:00 PM** Poster session and coffee break  
Poster presenters are requested to be with their posters.

**3:00 PM** Almost like being there: New approaches to deciphering animal behavior from trace fossils  
**Dr. Jon Noad is the Director of the DigitCore Institute for Learning and Adjunct Professor at the University of Alberta.**

**3:30 PM** Soft tissues in the geological record: The next generation of palaeontology  
**Aaron van der Reest is a Master of Science student in the Biological Sciences Department, Faculty of Science, at the University of Alberta. His studies are centered in the Dr. Philip Currie Lab.**

**4:00 PM** Depth charges, dinosaurs, and lost love found: Amateur fossil collector Maurice Stefanuk (1924-2016)  
**Darren Tanke is a keynote speaker and Senior Technician II at the Royal Tyrrell Museum of Palaeontology.**

**5:00 PM Harold Whittaker, APS Program Coordinator, closing remarks for Paleo 2018.**

**Sunday, March 18 Workshops**

The Sunday workshops will feature Dr. Keith Dewing who is a research scientist at the Geological Survey of Canada. His Ph.D. (University of Western Ontario) was on brachiopods spanning the Ordovician-Silurian extinction event on Anticosti Island, Quebec.

The workshop is titled Brachiopod Basics. Brachiopods are a diverse group of bivalve shells that are common in Paleozoic rocks. Brachiopods are different from clams and can be distinguished by their shape and internal structures. This workshop will introduce brachiopod shell shape, mineralogy, and preservation; how the shells opened and closed; their feeding apparatus, as well as the geological history of this fascinating fossil group.

The workshops will be held in Lab B213 at Mount Royal University. Two sessions will be offered, one in the morning from 9:00-12:00 and one in the afternoon from 1:00-4:00.

Please register by emailing [hgwhittaker@shaw.ca](mailto:hgwhittaker@shaw.ca) and specify morning, afternoon or either session. The registration fee is \$5 and the deadline for registration is March 10, 2018.