

Dinosaurs & space-shuttles



In 1999 the mummified remains of a hadrosaur dinosaur were discovered in North Dakota, USA. Skin, muscle, tendons and other soft tissue that rarely survive fossilisation were preserved in this 67-million-year-old dinosaur, allowing scientists to estimate its muscle mass and ability to outrun its predators. Dr Phil Manning and his team obtained scanning equipment normally used on space shuttles at NASA to examine the remarkable fossil and they made some surprising discoveries about these ancient creatures.

This talk will take you on a whistle stop tour of the people, places and science associated with a very special fossil dinosaur called Dakota.



Bookings

To ensure a seat and to purchase tickets (Christchurch and Wellington), go to www.royalsociety.org.nz/events

Enquiries only

04 472 7421 or lectures@royalsociety.org.nz



With grateful thanks to our venue providers.

Dunedin | 5.30pm Tuesday 5 May

Hutton Lecture Theatre, Otago Museum, Great King Street (Gold coin entry)

Christchurch | 6pm Monday 11 May

Grange Theatre, Middleton Grange School, Arthur Street, Upper Riccarton (General Admission \$10, Students/Children free)

Wellington | 6pm Tuesday 12 May

Te Whare Apārangī, Royal Society of New Zealand, 11 Turnbull Street, Thorndon (General Admission \$10, Students/Children free)

Napier | 7pm Wednesday 13 May

Exhibition Hall, National Aquarium, Marine Parade (Gold coin entry)

Dr Phil Manning

Palaeontologist and writer Dr Phil Manning is Professor of Natural History at the University of Manchester and Director of the Interdisciplinary Centre of Ancient Life. Phil has appeared in and presented many television documentaries for the BBC, Discovery and History Channels, including Jurassic CSI for National Geographic, which showcased the application of new technologies in palaeontology. He is currently filming two new documentaries to be released later this year.

Phil and his research team use a range of multidisciplinary tools and techniques, including x-ray imaging and computer modelling, in the analysis of the musculoskeletal form, movement and locomotion in extinct vertebrates. He and his team have worked extensively in the Hell Creek Formation of South Dakota and Montana and also at sites in South America, Europe, Asia, Africa and Australia.

Phil plays an active role in Manchester Museum's public outreach programme and has authored popular science books. He blogs at Dinosaur CSI dinosaursabbatical.blogspot.co.uk and actively tweets [@DrPhilManning](https://twitter.com/DrPhilManning).