

The Early Tetrapod World:

Laying the foundations of the modern vertebrate fauna.

A one-day conference celebrating the career of Prof Jenny Clack FRS.

13 December 2017

10.00 Welcome

Head of Department of Zoology, Howard Baylis

Session 1 Chair Per Ahlberg

10.10 Tim Smithson et al.

Traquair's lungfish from Loanhead: dipnoan diversity and tooth plate growth in the late Mississippian.

10.30 Mike Coates

Same old fish: new name, new fins.

10.50 Zerina Johanson et al.

Ontogenetic development of the otic region in the new model animal *Leucoraja*.

11.10 Coffee

Session 2 Chair Tim Smithson

11.30 John Marshall

Palynology – sometimes little things make a big difference.

11.50 Dave Millward

Palaeogeography during Romer's Gap and its potential influence on tetrapod terrestrialisation.

12.10 Sarah Davies et al.

Early Carboniferous palaeoenvironments: uncovering the landscapes of Romer's Gap.

12.30 Henning Blom

New data from the late Devonian of East Greenland.

12.50 Lunch

Session 3 Chair Marcello Ruta

- 2.00 Per Ahlberg** New data, new insights and new problems: some thoughts about the origin of tetrapods.
- 2.20 Jason Anderson et al.** Enigmatic tetrapod from Five Points, Ohio (Upper Carboniferous) further supports late survivorship of stem tetrapod lineages.
- 2.40 Angela Milner** *Keraterpeton*, the earliest horned nectridean revisited.
- 3.10 Andrew Milner** Two primitive trematopid amphibians from the Carboniferous of the Czech Republic
- 3.30 Tea**

Session 4 Chair

- 3.50 Nick Fraser et al.** Restoring the flat-pack skull of the Triassic protorosaur *Tanystropheus*.
- 4.10 Sophie Sanchez** The life history traits of stem tetrapods
- 4.30 Eva Herbst et al.** New insights into the morphology of the Carboniferous tetrapod *Crassigyrinus scoticus* gleaned from computer tomography.
- 4.50 Stephanie Pierce** How to turn a fin into a limb: insights from anglerfish.
- 5.10 Marcello Ruta** The evolution of the tetrapod humerus: morphometrics, disparity, and evolutionary rates.
- 5.30 Closing remarks** Director University Museum of Zoology, Paul Brakefield.

Reception University Museum of Zoology

Conference venue: Main Lecture Theatre, Department of Zoology, University of Cambridge, Downing Street, Cambridge, CB2 3EJ