



# CLOE

Centre for Life's Origins and Evolution

July-August 2021

## CLOE NEWSLETTER

### MESSAGE FROM MAX

Welcome back to everyone from your summer break. I hope you all managed to get some rest and are energised for a new term and a new academic year. I am looking forward to seeing some of you in person in the next few weeks. Also hoping to bring some good news regarding the refurbishment of the CLOE space on the 4<sup>th</sup> floor of Darwin building soon. Watch this space!

### RECENT PUBLICATIONS

Congratulations to Joel Dacks on two recent publications, '[Unexpected organellar locations of ESCRT machinery in Giardia intestinalis and complex evolutionary dynamics spanning the transition to parasitism in the lineage Fornicata](#)' and '[A Eukaryote-Wide Perspective on the Diversity and Evolution of the ARF GTPase Protein Family](#)'

Graham Shields group has paper in the Journal of the Geological Society [outlining a rock-based concepts to subdivide pre-Cryogenian time](#)

Ryan Felice and Anjali Goswami have a joint paper entitled '[Complex macroevolutionary dynamics underly the evolution of the crocodyliform skull](#)'

Mark Colnaghi, Andrew Pomiankowski and Nick Lane have a research article on eLife, '[The need for high-quality oocyte mitochondria at extreme ploidy dictates mammalian germline development](#)'

Mark Thomas et al. published a piece in Nature communications called '[Evidence of the interplay of genetics and culture in Ethiopia](#)'

### UPCOMING EVENTS

#### 14th Sept

CLOE Joint Groups Meeting. 10AM

#### 7th Oct

CLOE Quarterly Symposium: Plant Evolution at Difference Time Scales. 4PM

#### 12th May

NHM Symposium: Fossils Phylogenies Genomes Embryos and the Evolution of the Deuterostomes. 12PM

### PODCASTS

Paola Oliveri talks about [brittle star research in a podcast](#) on *Nature* as part of the 'conversation with scientists' by Vivien Marx.

Joana Xavier [explores current research efforts and computational biology in a podcast](#) with *Finding Genius*.

## WELCOME

Welcome to [Eyal Privman](#) from the University of Haifa. He will be joining us for the next year working closely with Ziheng Yang's Group. Eyal's own group studies social evolution in ants using genomic tools: next generation sequencing technologies and computational analysis of molecular evolution.

## FIELD WORK

Srishti Arya and Paola Oliveri spent three very exciting weeks at the Kristineberg Centre for Marine Research and Innovation (Sweden) to study echinoderms during their reproductive season. They met wonderful scientists from all over the world and used the outstanding facilities at the marine station. The field work has been sponsored by the ASSEMBLE Plus to study the development and regeneration of the brittle star *Amphiura filiformis*.

(images on the left)

## LEVERHULME HIGHLIGHT

Hernán Burbano and Philip Leverhulme prize features in the Leverhulme Trust Annual Review. Hernán Burbano's pioneering work established the new field of herbarium genomics, using DNA extracted from ancient herbarium specimens to track the history and evolution of plants associated with humans. The [Leverhulme Trust's 2020 Annual Review](#) is now available online and highlights the breadth and significance of the research being supported.

## UPCOMING EVENTS

### CLOE Joint Group Meeting

- Enrique Rodríguez: "Coevolution or mismatch: how interactions between the mitochondrial and nuclear genomes affect the response to stress in *Drosophila*".

- Hugh Carter: "Mapping the Stars: Coordinates, Starfish and Deep Sea Diversity Gradients".

Meeting ID: 990 4473 0381

Passcode: 884259

### CLOE Quarterly Symposium: Plant Evolution at Different Time Scales

<https://www.eventbrite.co.uk/e/cloe-quarterly-symposium-plant-evolution-at-different-time-scales-tickets-167444620367>

### Fossils Phylogenies Genomes Embryos and the Evolution of the Deuterostomes

<https://www.eventbrite.co.uk/e/fossils-phylogenies-genomes-embryos-and-the-evolution-of-the-deuterostomes-tickets-163156735187>

