

# ZOOLOGY SEMINAR DAY

Friday 24<sup>th</sup> March 2017 9:30-18:00

Fisher Building, St John's College

Draft talk programme

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9:30	Rebecca Kilner (Acting Head of Dept.)	Welcome.
9:45	Maanasa Raghavan	Reconstructing human population histories using ancient DNA.
10:00	Richard Preece	William Benson's collection of snails from British India: a jewel in the Museum's crown.
10:15	Tim Smithson	Tetrapod world: early evolution and diversification. Four years of the TW:eed project.
10:30	Hannah Wauchope	Investigating how the Arctic breeding distributions of migratory shorebirds could be impacted by climate change.
10:40	Matt Hayes	Conserving the Duke of Burgundy butterfly in the UK.
10:50	Amrita Mukherjee	Activity-induced reactive oxygen species signalling in <i>Drosophila</i> larval motoneurons.

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11:00	Tea, coffee and posters	
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11:30	Marta Costa	Connectomics in the fly.
11:45	David Aldridge	Microencapsulated BioBullets: a solution for controlling invasive pests and for ensuring global food security.
12:00	Abigail Fowden (Head of School)	Life Sciences impact and entrepreneurship.
12:15	Paul Brakefield	An update on museum redevelopment.

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12:30	Lunch break and (pre registered) museum tours	
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14:00	Rhys Green	Too late to save the spoon-billed sandpiper?
14:15	Rich Wallbank	Editing on the wing: modifying butterfly wing patterns using CRISPR gene knock-out.
14:30	Nick Horrocks	Cooked or eaten: trade-offs between predator avoidance and optimal incubation temperatures.
14:45	Birgitta Olofsson	The neuropeptide tachykinin controls egg laying behaviour in <i>C. elegans</i> .
15:00	David Pattinson	Predicting the antigenic evolution of influenza virus.
15:10	Edith Julieta Sarmiento-Ponce	Adult female cricket attraction to male calling song is influenced by female age.
15:20	Jonathan Pattrick	Grip and Slip; the biomechanics of plant-pollinator interactions.

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15:30	Tea, coffee and posters	
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16:00	Jenny York	Female cuckoo calls misdirect host defences.
16:15	Arik Kershenbaum	Tracking wild wolves by their howls.
16:30	Maik Drechsler	Studying the relationship between intracellular motion and the organisation of the actin and microtubule cytoskeletons.
16:45	Corina Logan	How the Elsevier Big Deal sparked a rampage at Cambridge.

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17:00	Close and prizes followed by wine reception and posters	
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