

Journal Club 2008

Peter Stockwell

Evolution in an Unintelligent Species

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Sumana Islam

"Syphilis - Origin and Evolution"

Harper, KN *et al* PLoS Neglected Tropical Diseases (2008) 15,2(1):e148

Rob McLaren

"Oxytricha - Simple organism, Complicated genome"

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Mik Black

Whoohoo! - we've found another "omics"...

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Russell Poulter

Human Animal Hybrids

Rob Pollock

Deep Evolution

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John Cutfield

"Insulin Signalling - a surprising domain"

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Annika Bokor

Hold your breath and your sperm may stay happy.

Jo Risk

In Pursuit of Synthetic genitalium.

Gibson. *et al.*, Science, Vol 329, 29 February 2008

Sigurd Wilbanks

TIM commits an unnatural act @ home.

De Novo Computational Design of Retro-Aldol Enzymes (2008) Jiang *et al.*, Science 319:1387-1391

Euan Rodger

And Now For Something Completely Different: A beginner's guide to a NZ biotechnology conference.

Tony Zaharic

Knowing when enough is enough.

Molecular dissection of mammalian RNA polymerase II transcriptional termination.
West *et. al.*, (2008). *Molecular Cell*. p.600-610.

Iain Lamont

Knowing when enough is enough.

Molecular dissection of mammalian RNA polymerase II transcriptional termination.
West *et. al.*, (2008). *Molecular Cell*. p.600-610.

Kurt Krause

HIV-1 Proviral DNA Excision Using an Evolved Recombinase

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Torstan Kleffmann

Editor-in-Chief: "accepted with major revisions".

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Payal Diwadkar

"Unveiling Whirlies"

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Les McNoe

High throughput Sequencing. The Next Next Generation

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Sue Cutfield

RNA antibodies: upping the ante

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Stephen Clarke

Cyclotides: A New Tool for Fighting Parasitic Nematodes?

Cyclotides: Natural, circular plant peptides that possess significant activity against gastrointestinal nematode parasites of sheep

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Margi Butler

This is by design?! or Genome analysis of the platypus reveals unique signatures of evolution.

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Chris Brown

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Julian Eaton-Rye

Non-fermentative pathways for synthesis of branched-chain higher alcohols as biofuels

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Regan Winter

"No SAM!"

Wang *et al.*, Mol. Cell, 29 691-702. (2008)

Stephen Sowerby

Ping!

"Atomic force microscopy reveals parallel mechanical unfolding pathways of T4 lysozyme: Evidence for a kinetic partitioning mechanism"

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Matt Shirley

Rotifers: "We're down with HGT."

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Liz Ledgerwood

Finding a path through the Golgi

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Peter Mace

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Bostjan Humar

flies, brains and evolution

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Megan Wilson

"IEDG 2008: Integrating Evolution, Development, Genomics and bad coffee"

Conference Highlights

Roslyn Kemp

"Gut responses tamed by friendly bacteria"

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Simon Jackson

Drpsophila RNAi screen identifies host genes important for influenza virus replication

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Becky Laurie

Epigenome sequencing comes of age

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Peter Mabbitt

Knotted fusion proteins reveal unexpected possibilities in protein folding.
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Stephanie Hughes

A 'PC' STEM CELL

Huangfu, D. *et al.*(2008) *Nature Biotechnology* 26(7): 795-797

Karla Mettrick

A 'PC' STEM CELL

Huangfu, D. *et al.*(2008) *Nature Biotechnology* 26(7): 795-797

Sally McCormick

"Programming In" Diabetes

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Rafael Counago

A drop in the ocean: "The Sorcerer II Global Ocean Sampling Expedition"

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Tony Merriman

"Vitamin D deficiency: an emerging public health pandemic?"

Frances-Rose Schumacher

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Liz Duncan

One is never enough! The role of Prdm proteins in germ cell specification

Critical function of Prdm14 for the establishment of the germ cell lineage in mice

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Harold Bernhardt

Sialic acids in human evolution and disease

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Rob Fagerlund

A new target for treating the Flu?

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Richard Draper

'Eat chips, get fat: Take drugs, get fit!'

AMPK and PPAR δ Agonists are Exercise Mimetics

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Peter Dearden

Does my bum look black in this?

The Regulation and Evolution of a Genetic Switch Controlling Sexually Dimorphic traits in *Drosophila*.

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Hao Luo

CRISPR, an RNAi-like prokaryotes defense system

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Craig Marshall

How to fit a sharp beak in a soft squid.

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Gemma Dickson

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Warren Tate

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Reagan Jarvis

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Ian Morison

Melamine epigenetics

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Tina Summerfield

Beetles get by with a little help from their friends

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Catherine Day

Post-translation modifications: The age of crosstalk

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Anna Konings

Two domains are better than one

Nowarski *et al.* (2008) *Nature Structural & Molecular Biology* 15:1059-1066

Alan Carne

'Thermophile engineering and cellulosic ethanol'
PNAS Sept 2008, 105:137690

Tracy Joseph

Autophagy: A sweet process in diabetes
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Mary Thompson

Islets: transplantation or transformation.
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Chris Farr

"Fried purple tomatoes"
Enrichment of tomato fruit with health-promoting anthocyanins by
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Kevin Farnden

Veraison and MYB
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Sarah Morgan

"A fusion gene causing nonsyndromic deafness. What?!"
Ahmed, ZM *et al.* (2008) Nat Genet. Nov;40(11):1335-4

Richard Macknight

Help reduce greenhouse gases by NOT using crop-based biofuels
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Jade Hollis-Moffatt

Variant between CPT1B and CHKB associated with susceptibility to narcolepsy
Miyagawa *et al.* 2008

Rachel Brace

X-inactivation Xplained?
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James Smith

A chimp off the old block
Human-specific gain of function in a developmental enhancer
Prabhakar *et al.*, Science 321, 1346-1350 (2008)

Alan Carne

'Thermophile engineering and cellulosic ethanol'
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Dan Garama

'Domo Arigato Mr Carotenoid'
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Liz Poole

'Polyphenol modulation of fibril formation pathways: Alzheimer's and Parkinson's'
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Mauren Jaudal

Turning Back the Clock
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Russell Poulter

Human association genetics: ba humbug

Nina Dickerhof

"Parkin cleans house"
Narendra, D. *et al* (2008) J. Cell. Biol. Vol.183 No 5 795-803