

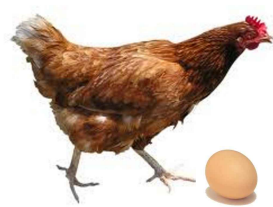
presents



Jack Horner

How to Build a Dinosaur:

Extinction Doesn't Have to Be Forever



DORMANT GENE REACTIVATOR

The key may be embryonic development, not genetics

John R. "Jack" Horner is the curator and teacher of paleontology at Montana's Museum of the Rockies at Montana State University at Bozeman. He has made some of the most important recent dinosaur discoveries.



- First to find evidence of parental care by dinosaurs.

- Discovered 75-million-year-old eggs containing the fossilized skeletons of dinosaur embryos of a previously unknown kind of dinosaur.

- Discovered the largest *Tyrannosaurus rex* to date and produced new theories on the ways these creatures lived.

Besides writing books about his discoveries and theories, Horner was also technical advisor for such movies as "Jurassic Park: The Lost World" and "Jurassic Park III."

Thursday
February 10
2011

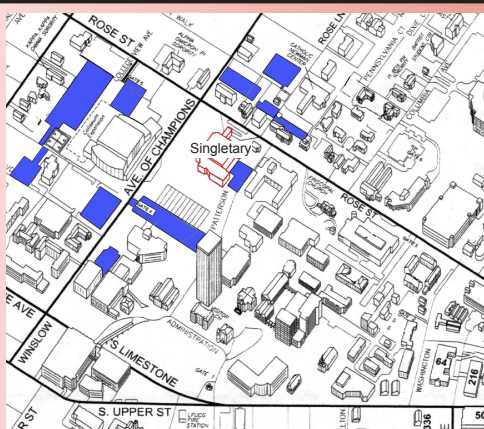
7:30 p.m.

**Singletary Center
for the Arts**

University of Kentucky
405 Rose St.
Lexington, Ky. 40506

EVO-DEVO MOLECULAR BIOLOGICAL TWEAKER

REVERSE EVOLUTION

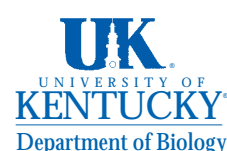


Parking is available in the blue E (employee) surface lots after 6:30 p.m.

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Kentucky Paleontological Society



For more information contact Richard Smath: rsmath@uky.edu or (859) 323-0503

Can dinosaurs be brought back to life? Paleontology, the study of ancient life, may have the answer, and no one has probably done more to further this kind of understanding in the field than Jack Horner, a world-renowned paleontologist who studies dinosaurs. Jack is coming to Lexington in February at the invitation of the Kentucky Section, American Institute of Professional Geologists, to tell us about the dinosaurs that still live with us — the birds — and how we might use them to create modern dinosaurs. No, he will not be cloning ancient DNA! Instead, he suggests that by altering regulatory genes in bird embryos, we may well be able to genetically engineer modern dinosaurs. No one comes with better credentials to do this than Jack! Jack is a curator and professor of paleontology at Montana's Museum of the Rockies at Montana State University in Bozeman. He is a recipient of the MacArthur Fellowship "genius grant," and has made some of the most important recent discoveries about dinosaurs, including the first evidence of dinosaur parental care, the discovery of dinosaur embryos in fossil eggs, finding the largest *T. rex* and producing new ideas about how these large creatures lived, not to mention his recent work with a student, who extracted dinosaur cells and other soft parts from fossil bones. Jack has also written several books about his discoveries and theories, was the inspiration for the lead character in the *Jurassic Park* movies, and was the technical advisor for the series of movies. This talk will be based on his book with James Goreman, *How to Build a Dinosaur: Extinction does not have to be Forever*. Join us **on Thursday evening, February 10, 7:30 P.M., at the Singletary Center for the Arts, University of Kentucky**, for a free lecture about how Jack proposes to make the first "*Chickenosaurus*."