

Special Presentation for DARWIN DAY 2014:

Dr. Cameron Smith
Portland State University, Department of Anthropology



The Evolution rEvolution

Sunday, February 16

11 a.m. in Hollywood, Center for Inquiry Theatre
4:30 p.m. at the Costa Mesa Community Center

*Three decades of intensive genetic and genomic study have essentially rewritten our understanding of evolutionary process - on all scales from molecules to ecosystems. An **Extended Evolutionary Synthesis** is emerging, yielding a far subtler understanding of evolutionary dynamics, from DNA repair to speciation. In his talk, **Dr. Cameron Smith**, a prehistorian at Portland State University, will review the main facets of the new evolutionary synthesis, using plenty of jaw-dropping examples of just how evolution works.*

*Dr. Smith's work focuses on human evolution - past, present and future. He began his study of anthropology with the Leakey research team in northern Kenya and has conducted archaeological fieldwork worldwide. He has been published widely in peer-reviewed technical journals, including *Physics of Life Reviews*, the *American Journal of Physical Anthropology*, *Structure and Dynamics*, the *Journal of Field Archaeology*, *Acta Astronautica* and *International Monographs in Prehistory*.*

*He also has written for the general public in many magazines, including *Scientific American*, *OMNI*, *Archaeology*, and *Spaceflight*, and in his books *The Top Ten Myths About Evolution*, *The Fact of Evolution* and the forthcoming *Atlas of Human Evolution*. He has appeared on *PBS*, the *History Channel*, the *National Geographic Channel*, and on many radio shows including *Bob Edwards' Weekend*, *Michio Kaku's Science Fantastic*, and *Scientific American* podcasts.*

