



UNIVERSITY OF CENTRAL OKLAHOMA

Center for Wildlife Forensics and Conservation Studies

CFACS Faculty News | 27 September 2017

Landmark Wildlife Forensic Science Genomics Publication by Dr. James Creecy and Colleagues



C-FACS faculty member Dr. James Creecy, Assistant Professor of Biology and Forensic Science, has recently published a landmark wildlife forensic science genomics paper in the special Genetics Supplement of Forensic Science International. The concept paper proposes the collaborative establishment of an internationally unified, fully-regulated, genomic database of forensically important wildlife species. A copy of the accepted manuscript and abstract are attached. For additional information on this initiative and details on potential collaborative opportunities contact Dr. Creecy at jcreecy@uco.edu.

Congratulations Dr. Creecy!!!

Abstract: Wildlife crime continues unabated contributing to the extinction or near extinction of many plant and animal species. Species identification is a key tool in the enforcement of national legislation. If no morphology exists, comparison of DNA sequences generated from a mitochondrial gene are compared to those on a reference database, commonly GenBank. Sequences up-loaded to GenBank are unregulated and can lead to uncertainty with the adequacy of this DNA sequence repository for identification in a forensic context. We propose the establishment of ForCyt as a fully-regulated database of species that are commonly encountered in forensic investigations. The establishment of ForCyt will allow confidence in future species identification; something that is an absolute requirement to ensure high quality forensic science.

Citation: N.Ahlers, J.Creecy, G.Frankham, R.N.Johnson, A.Kotze, A.Linacre, R.McEwing, M.Mwale, J.J.Rovie-Ryan, F.Sitam, L.M.I.Webster, 'ForCyt' DNA Database of wildlife species, Forensic Science International: Genetics Supplement Series <https://doi.org/10.1016/j.fsigss.2017.09.195>

This is a PDF file of an unedited manuscript that has been accepted for publication.

