

# Select 2011 Presentations and Publications Using FAC resources

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## Publications

Cadaver use at the University of Tennessee's Anthropological Research Facility,  
Natalie R. Shirley, Rebecca J. Wilson, Lee Meadows Jantz  
Clinical Anatomy

Spheno-Occipital Synchronosis Fusion in Modern Americans  
Natalie R. Shirley Ph.D., Richard L. Jantz Ph.D.  
Journal of Forensic Sciences

Sex Estimation in Forensic Anthropology: Skull Versus Postcranial Elements  
M. Katherine Spradley Ph.D., Richard L. Jantz Ph.D.  
Journal of Forensic Sciences

Secular Changes in Craniofacial Morphology of the Portuguese using Geometric Morphometrics  
Katherine E. Weisensee, Richard L. Jantz,  
American Journal of Physical Anthropology

The Use of Orthopedic Surgical Devices for Forensic Identifications  
Rebecca J. Wilson M.A., Jonathan D. Bethard M.A., Elizabeth A. DiGangi Ph.D.  
Journal of Forensic Sciences

## Anthropological Research Facility Presentations

The Effects of Household Chemicals on Blow Fly Oviposition and Development Using Human Cadavers  
Kristi Bugajski and Ralph E. Williams. American Academy of Forensic Sciences, Chicago, IL 2011

Conditions for Breaking Down Mummified Tissue and Subsequent Implications for Time Since Death  
Kanya Godde American Academy of Forensic Sciences, Chicago, IL 2011

## Conference Presentations Using the William M. Bass Skeletal Collection

Pattern and Distribution of Fractures in the William M. Bass and Hammann-Todd Osteological  
Collections, American Academy of Forensic Sciences, Chicago, IL 2011  
Shauna McNulty

A Bayesian Approach to Multifactorial Age-at-Death Estimation, American Academy of Forensic  
Sciences, Chicago, IL 2011  
Natalie Uhl, Nicholas Passalacqua, Lyle Konigsberg

The Use of Vertebral Osteoarthritis and Osteophytosis in Age Estimation, American Academy of Forensic  
Sciences, Chicago, IL 2011  
Ginesse Listi and Mary Manheim

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The Accuracy of the Lamendin method of Dental Aging in Teeth with fillings, American Academy of Forensic Sciences, Chicago, IL 2011  
Kristin Horner

Sex Estimation Using the Petrous Portion of the Temporal bone by Linear Regression Analysis, American Academy of Forensic Sciences, Chicago, IL 2011  
Dolly Stolze

Ancestry Estimation Using Random Forest Modeling , American Academy of Forensic Sciences, Chicago, IL 2011  
Joseph Hefner, Kate Spradley, Bruce Anderson

Ancestry Determination From Foramen Magnum, American Academy of Forensic Sciences, Chicago, IL 2011  
Stephanie Crider and Mary Manheim

Improving Sex Estimation From the Cranium using 3-Dimensional Modeling from CT scans, American Academy of Forensic Sciences, Chicago, IL 2011  
Natalie Shirley, Emam E.A Fatah, Richard Jantz, Mahamed Mahfouz

The More the Better? Evaluating the Impact of Fix Semi-Landmark Number in Cranial Shape Variation Analyses, American Academy of Forensic Sciences, Chicago, IL 2011  
Shauna Williams

Secular change in the asymmetry of the human pelvis: 1842-1981. American Association of Physical Anthropology Meeting, Minneapolis, MN 2011  
KATHRYN DRISCOLL.

A bioarchaeological study of cranial trauma in the William M. Bass and Hamann-Todd collections: interpersonal aggression in America. American Association of Physical Anthropology Meeting, Minneapolis, MN 2011  
KATY D. GRANT and JACQUELINE T. ENG.

Obesity in the skeleton: correlating long bone external dimensions to Body Mass Index (BMI). American Association of Physical Anthropology Meeting, Minneapolis, MN 2011  
REBBECA WILSON TAYLOR and KANYA GODDE.

### **Conference Presentations Using the Forensic Data Bank**

Error and Uncertainty in Pelvic Age Estimation Part II: younger vs. Older Adult Females  
Allysha Wilburn and Carrie Brown, American Academy of Forensic Sciences, Chicago, IL 2011

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## Conference Presentations by the University of Tennessee Students and Staff

CPR Fractures in Infants: When do they Occur?, American Academy of Forensic Sciences, Chicago, IL 2011

Miriam Soto

Strontium Particles: confirmation of Primer Derived Gunshot Residue on Bone in an Experimental Setting, American Academy of Forensic Sciences, Chicago, IL 2011

Alicja Kutyla and Hugh Berryman

Using the Freeze-Thaw Cycle to Determine the Postmortem Interval: An assessment of Pig Decomposition in West Central Montana, American Academy of Forensic Sciences, Chicago, IL 2011

Beatrix Dudzik, Hiliary Parsons, Ashley McKeown

Improving Forensic Facial Reproductions using Empirical Modeling, American Academy of Forensic Sciences, Chicago, IL 2011

Brian Woods, Richard Jantz, Lee Meadows Jantz, and Mohamed Mahfouz

Obesity in the skeleton: correlating long bone external dimensions to Body Mass Index (BMI). American Association of Physical Anthropology Meeting, Minneapolis, MN 2011

REBBECA WILSON TAYLOR and KANYA GODDE.

Pattern and Distribution of Fractures in the William M. Bass and Hammann-Todd Osteological Collections, American Academy of Forensic Sciences, Chicago, IL 2011

Shauna McNulty

Improving Sex Estimation From the Cranium using 3-Dimensional Modeling from CT scans, American Academy of Forensic Sciences, Chicago, IL 2011

Natalie Shirley, Emam E.A Fatah, Richard Jantz, Mahamed Mahfouz

Secular change in the asymmetry of the human pelvis: 1842-1981. American Association of Physical Anthropology Meeting, Minneapolis, MN 2011

KATHRYN DRISCOLL.

Getting better with age? Testing the utility of Transition Analysis methods for forensic skeletal material of Hispanic origin. American Association of Physical Anthropology Meeting, Minneapolis, MN 2011

BRIDGET F. B. ALGEE-HEWITT<sup>1</sup> and REBECCA J. TAYLOR<sup>2</sup>.

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### **Bass Endowment Funded Projects resulting in presentations**

Striking out and digging in: a biological distance analysis of the Wari expansion and its consequences for local populations using cranial non-metric traits. American Association of Physical Anthropology Meeting, Minneapolis, MN 2011

CHRISTINE M. PINK.

Getting better with age? Testing the utility of Transition Analysis methods for forensic skeletal material of Hispanic origin. American Association of Physical Anthropology Meeting, Minneapolis, MN 2011

BRIDGET F. B. ALGEE-HEWITT and REBECCA J. TAYLOR.