

Michael Mucher
Lead Researcher

Michael Mucher is the lead researcher for Anthrotech. He was promoted in 2012 after spending five years as a dedicated and passionate research assistant at the company.

During his time at Anthrotech, Mucher has had his hand in numerous projects both domestically and internationally. He has served as a lead researcher for multiple surveys, and his work has been critical in the creation and organization of Anthrotech's extensive 3D scan and landmark database. In his role, Mucher performs statistical analysis, selects landmark points and calculates dimensions from both 3D and Faro extractions, measures subjects for anthropometric surveys, performs anthropometric research, assists in data analysis and the editing of raw data, coordinates onsite arrangements for projects and more. Among his most valuable skills for Anthrotech clients are his ability to restore poor quality scan data to a functional state, extract unique dimensions from 3D scan data for specific purposes, and efficiently prepare subjects for participation in 3D scans.

Mucher has been published multiple times on topics related to anthropology. He earned his B.A. in pre-professional zoology from Ohio Wesleyan University. When he is not researching, planning and executing projects for Anthrotech clients, Mucher bicycles and coaches youth soccer.



**MICHAEL MUCHER
ANTHROTECH**

EDUCATION

Ohio Wesleyan University B.A., Pre-Professional Zoology, 2007

WORK EXPERIENCE

2012 – present **Anthrotech, Yellow Springs, Ohio,**
Lead Researcher

2007 – 2012 **Anthrotech, Yellow Springs, Ohio,**
Research Assistant/Anthropometrist

Application Skills: Geomagic Wrap, Geomagic Sculpt, Rhinoceros 3D, Meshlab, Blender, Sculptris, Integrate, Natick Measure, Photoshop, Paint.net, Inkscape, GIMP, Poser, Word, Excel, Powerpoint, SPSS

2007 **Ohio Wesleyan University**
Office of Financial Aid Assistant

2006 **University of Wisconsin-Madison**
Agronomy Department Intern

2005 **Ohio Wesleyan University**
Zoology Department Intern

PUBLICATIONS

Bradtmiller B, Barrientos P, Kristensen S, Rockwell B, Mucher M (2016) *An Anthropometric Database for the U.S. Navy: 2014-2015 U.S. Naval Uniform Sizing Correlation Study- Methods and Summary Statistics*, Contract No. N00189-14-P-G210 Prepared for Darlene Rich, Navy Clothing and Textile Research Facility, Natick, MA.

Gordon CC, Blackwell CL, Bradtmiller B, Parham JL, Barrientos P, Paquette SP, Corner BD, Carson JM, Venezia JC, Rockwell BM, Mucher M, and Kristensen S (2014) *2010-2012 Anthropometric Survey of the U.S. Army Personnel: Methods and Summary Statistics*. Natick/TR-15/007, US Army Natick Soldier Research, Development and Engineering Center, Natick, MA.

Gordon, CC, CL Blackwell, B Bradtmiller, JL Parham, J Hotzman, SP Paquette, BD Corner and BM Hodge (2013) *2010 Anthropometric Survey of the U.S. Marine Corps Personnel: Methods and Summary Statistics*. Natick/TR-13/018, US Army Natick Soldier Research, Development and Engineering Center, Natick, MA.

Hotzman J, Gordon CC, Bradtmiller B, Corner BD, Mucher M, Kristensen S, Paquette S, Blackwell CL (2011) *Measurer's Handbook: U.S. Army and Marine Corps Anthropometric Surveys, 2010-2011*, Technical Report NATICK/TR-11/017. US Army Natick Soldier Systems Center, Natick, MA.

Bradtmiller B, Hodge B, Mucher M, Kristensen S (2010) *A 3-D Modeling Database for the Design of U.S. Truck Cabs* Contract No. 200-2007-22249 Prepared for Jinhua Guan, Ph.D., NIOSH, Division of Safety Research, Morgantown, WV.

Bradtmiller B, Hodge B, Mucher M, Kristensen S (2009) *A Multivariate Anthropometric Model for the Design of U.S. Truck Cabs*, Contract No. 200-2007-22249 Prepared for Jinhua Guan, Ph.D., NIOSH, Division of Safety Research, Morgantown, WV.

Mucher, Michael, and B. Bradtmiller (2009) *Protective Garment Sizing For U.S. Special Forces: Report of Activities*. Proprietary report prepared for Tex-Shield, Inc., Charlotte, NC.

Bradtmiller, Bruce, Belva Hodge, Shirley Kristensen, Michael Mucher (2008) *Anthropometric Survey of Federal Aviation Administration Technical Operations Personnel – 2006-2008*. Final Report under Contract DTFAWA-07-C-00059, Federal Aviation Administration, 800 Independence Avenue, SW Washington, DC.