

## NSF Biographical Sketch

Michael Andrew Jansen

Ph.D. Candidate - Evolutionary Biology

School of Life Sciences, PO Box 874501, Arizona State University, Tempe, AZ 85287-4501, USA

Office: LSA L1-52

Phone: (480) 727-9692

Email: [majanse1@asu.edu](mailto:majanse1@asu.edu)

## Professional Preparation

University of Florida	Gainesville, FL	Entomology and Nematology	B.S. 2007-2011
Arizona State University	Tempe, AZ	Biology	M.S. 2012-2014

## Professional Appointments

### Teaching Appointments\*

Course	Subject	Semester
BIO 201	Human Anatomy and Physiology	Spring - 2017
BIO 281	Biology (1 <sup>st</sup> Semester for Majors)	Fall - 2016
BIO 182	Biology (2 <sup>nd</sup> Semester)	Summer - 2016
BIO 181	Biology (1 <sup>st</sup> Semester)	Spring - 2016
BIO 386	Entomology	Fall - 2015, 2014, 2013
BIO 282	Biology (2 <sup>nd</sup> Semester for Majors)	Spring 2014

\*all other semesters at ASU [June 2012 - Present] covered by RA and GI appointments

## Publications

- Jansen, M.A., Luck, K., Campbell, J., Amor, H.B., & D. Aukes. 2017. Bio-inspired robot design considering load-bearing and kinematic ontogeny of Chelonioidea sea turtles. In *Biomimetic and Biohybrid Systems*. p. 216-229
- Luck, K., Jansen, M.A., Campbell, J., Aukes, D., & H.B. Amor. 2017. From the lab to the desert: fast prototyping and learning of robot locomotion. *Robotics: Science and Systems. Proceedings of Robotics: Science and Systems*. 13: p. 75-83.
- Jansen, M.A., Singh, S.S., Chawla, N., & N.M. Franz. 2016. A multilayer micromechanical model of the cuticle of *Curculio longinasus* Chittenden, 1927 (Coleoptera: Curculionidae). *Journal of Structural Biology*. 195: p. 139-158.
- Singh, S.S., Jansen, M.A., Franz, N.M., & N. Chawla. 2016. Microstructure and nanoindentation of the rostrum of *Curculio longinasus* Chittenden, 1927 (Coleoptera: Curculionidae). *Materials Characterization*. 118: p. 206-211.
- Jansen, M.A. & N.M. Franz. 2015. Phylogenetic revision of *Minyomeres* Horn, 1876 sec. Jansen & Franz, 2015 (Coleoptera, Curculionidae) using taxonomic concept annotations and alignments. *ZooKeys*. 528: p. 1-133.

## Synergistic Activities

- Manuscript reviewer Zootaxa, Pan-Pacific Entomologist, & Coleopterists Society 2014-2018
- Curation services rendered for 26 institutional entomology collections 2012-2018
- ID and curation of weevils (Curculionidae) for institutions in USA, Canada, Mexico, and Guatemala
- Insect identifier for Sky Island Alliance, US National Park Service, & Greater Good 2012-2018
- ID and curation of beetles (Coleoptera) for biodiversity assessments and research expeditions
- Volunteer for Night of the Open Door at ASU Tempe Campus 2013-2018
- Campus-wide event for public education and exhibition of research conducted at ASU
- Volunteer for IAFSE Engineering Open House at ASU Tempe Campus 2013-2015
- Public event for exhibition of research conducted at ASU, collaboration with Fulton Schools of Engineering