

# TIFFANY M. NUESSELE

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## Experience

**2011-present**    **Research Manager, Genetics Lab, formerly Genetics of Taste Lab**

Denver Museum of Nature & Science. Denver, CO

**2008-2011**    **Counselor**

Counselor on Call. Denver, CO

**2008-2011**    **Intern, Counselor**

Karlis Family Center. Lakewood, CO

**2003-2005**    **Sr. Bookseller, Seasonal Business Assistant**

Brentano's/Border's Inc. Santa Clara, CA

## Education

**2008**    **M.A. in Community Counseling**

Denver Seminary, Littleton, CO

**2003**    **B.A. in Linguistics, B.A. in French and Francophone Studies, Minor in Education**

University of California at Santa Cruz, Santa Cruz, CA

## Peer-Reviewed Publications

- Hinojosa L, R Riedy, J Polman, R Swanson, **T Nuessle**, N Garneau. 2021. Expanding public participation in science practices beyond data collection. *Citizen Science: Theory and Practice*.
- Miranda AM, M Ingram, **TM Nuessle**, SA Santorico, NL Garneau. Factors affecting detection of bimodal sour-savory mixture and inter-individual umami taste perception. *Food Quality and Preference*. 2020.
- **Nuessle TM**, PA McNamara, NL Garneau. Using museum guests as crowdsourced participants in human subject research. *Curator: The Museum Journal*. 2020.
- **Nuessle TM**, PA McNamara, NL Garneau. Planning and Executing Scientifically Sound Community Science in a Public-Facing Institution. *Citizen Science: Theory and Practice*. 2020.
- Garneau NL, **TM Nuessle**, B Mendelsberg, S Shepard, RM Tucker. Sweet liker status in children and adults: Consequences for beverage intake in adults. *Food Quality and Preference*. 2017.
- Garneau NL, **TM Nuessle**, RM Tucker, M Yao, SA Santorico, RD Mattes, on behalf of The Genetics of Taste Lab Citizen Scientists. Taste responses to linoleic acid: A crowdsourced population study. *Chemical Senses*. 2017.
- Tucker RM, **TM Nuessle**, NL Garneau, G Smutzer, RD Mattes. No difference in perceived intensity of linoleic acid in the oral cavity between obese and non-obese adults. *Chemical Senses*. 2015.
- **Nuessle TM**, NL Garneau, MM Sloan, SA Santorico. Denver Papillae Protocol for objective analysis of fungiform papillae. *Journal of Visualized Experiments* (100), doi:10.3791/52860. 2015.
- Garneau NL, **TM Nuessle**, MA Sloan, SA Santorico, BC Coughlin, JE Hayes. Crowdsourcing taste research: genetic and phenotypic predictors of bitter taste perception as a model. *Frontiers in Integrative Neuroscience*. May 2014.

## Speaking Presentations

- ***A Smell to Remember***  
[Science Division Live, Facebook Live, Denver Museum of Nature & Science, Denver, Colorado. January 2021.](#)  
[Date Night: Sense Science. Facebook, Denver Museum of Nature & Science, Denver, Colorado. October 2020.](#)
- ***From Specimen to Species***  
[Science Division Live, Facebook Live, Denver Museum of Nature & Science, Denver, Colorado. June 2020.](#)  
Girls & Science, Denver Museum of Nature & Science, Denver, Colorado. March 2020.
- ***Science Division Live: Yuck, how can you eat that?!*** Facebook Live, Denver, Colorado. April 2020.
- ***From Guest to Scientist: Enhancing Museum Visitors' Experience & Identity through Citizen Science***  
Citizen Science Association Conference, Raleigh, North Carolina. March 2019.
- ***Not Just Grunt Work: Engaging the Public in Science from Design to Publication.***  
Citizen Science Association Conference, Raleigh, North Carolina. March 2019.
- ***Science is Tasty***  
Science Riot: Stand up Comedy, Lannie's Clock Tower Cabaret, Denver. January 2019.  
[Peer Revue: Stand Up Comedy, Denver Museum of Nature & Science. November 2017.](#)
- ***The Science of Sour***  
Expedition Health Volunteer Dinner, Denver Museum of Nature & Science. September 2016.
- ***The Genetics of Taste Lab and the Oral Microbiome***  
Colorado Science Conference for Professional Development, Denver. November 2016.  
CBSI Teacher Development Class, Denver Museum of Nature & Science. October 2016.  
Teacher Development Class, Denver Museum of Nature & Science. November 2015.  
Expedition Health Symposium, Denver Museum of Nature & Science. September 2015.  
CBSI Teacher Development Class, Denver Museum of Nature & Science. September 2015.

## Abstracts from Professional Meetings

- Bu S, K Sugino, NL Garneau, **TM Nuessle**, RM Tucker, SS Comstock. A citizen science project: Associations of the oral microbiota with body mass index and measures of sweet taste liking. *Nutrition 2019* (American Society for Nutrition). June, 2019. Baltimore, MD.
- Garneau, NL, A Miranda, **TM Nuessle**, E Swisher, JL Polman, P McNamara. More than a taste of community science. *2019 NIH SciED Annual Conference for Science Education Projects*. Washington D.C.
- Garneau, NL, **TM Nuessle**, J Polman, P McNamara, E Swisher. More than just a taste of citizen community science. *2018 NIH SciEd Annual Conference for Science Education Projects*. Washington D.C.
- Baker, AN, A Miranda, H Luethe, **TM Nuessle**, NL Garneau, JE Hayes. Lack of association between bitter receptor genotype and smoking status in a community based cohort. *12<sup>th</sup> Pangborn Sensory Science Symposium*. August 2017 Providence, RI.
- Tucker, R M, NL Garneau, **TM Nuessle**, B Mendelsberg, S Shepard. Recent weight loss, but not weight gain, is associated with sweet taste perception and beverage intake: Differences by sex. *25th Annual Meeting of the Society for the Study of Ingestive Behavior*. July 2017. Montreal, Quebec.
- **Nuessle, TM**, N L Garneau, E Swisher, P McNamara, and J Polman. More than a taste of citizen science. *2017 NIH SciEd Annual Conference for Science Education Projects*. Washington D.C.

- Tucker, RM, NL Garneau, **TM Nuessle**, C Jackle. Relationships between oral health measures, sweet taste intensity, liking, and sugar-sweetened beverage intake. *Association for Chemoreception Science 2017 Annual Meeting*. 37(p.) Bonita Springs, FL
- Tucker, RM, **TM Nuessle**, NL Garneau, RD Mattes. No difference in perceived intensity of linoleic acid in the oral cavity between obese and non-obese adults. *Experimental Biology 2015 Conference Poster Presentation Abstracts*. P. 290. Boston, MA.
- **Nuessle, TM**, P McNamara, B Hostetler, N Garneau. Designing an effective environment for citizen scientist research. *Citizen Science 2015 Conference Poster Presentation Abstracts*. 1(1) p. 50. San Jose, CA.
- **Derr, TM**, P McNamara, B Hostetler, D Boyles & N Garneau. Establishing best practices for an effective community-based research laboratory. *Association for Chemoreception Sciences 2013 Annual Meeting Program*. 35(1) p. 120. Huntington Beach, CA.
- Garneau, NL, & **T Derr**. Statistical analysis of factors previously described as significant in the ability to taste propylthiouracil yields roles for ages, sex, and *Tas2r38* haplotype, but not fungiform papillae density. *2013 Annual Meeting of the Association for Chemoreception Sciences*. 35(p121). Huntington Beach, CA.
- Garneau, NL, M Sloan, **T Derr**, B Hostetler, P McNamara & B Coughlin. Genetics of taste: A flavor for health-- community lab and education programs. *2012 NIH SciEd Annual Conference for Science Education Projects*. Bethesda, MD.
- Sloan, MM, **T Derr**, N Garneau, B Coughlin. Guidelines for quantifying fungiform papilla densities in a community-based laboratory. *The Association For Chemoreception Sciences 2012 Annual Meeting Program*. 34(1) p. 54. Huntington Beach, CA.

#### Peer Reviewer

- Food Quality and Preference
- Journal of Visualized Experiments
- Citizen Science: Theory and Practice
- Journal of Sensory Studies
- Physiology & Behavior
- Transactions of the Nebraska Academy of Sciences and Affiliated Societies