

Jennifer M. Stratford

Curriculum Vitae

University of Colorado Boulder
Department of Psychology & Neuroscience
Email: jennifer.stratford@colorado.edu

Education and Relevant Training

2013	<i>Mentored Teaching Program</i>	U. of Colorado Denver, Department of Psychology
2008	Ph.D. in <i>Behavioral Neuroscience</i> Doctoral Thesis Topic: Oral and post-oral factors that drive behavioral food choice Doctoral advisor: Dr. Robert Contreras	Florida State University
2005	M.S. in <i>Psychobiology</i> Master's Thesis Topic: Sex differences in the taste of fat and its role in the etiology of obesity Master's advisor: Dr. Robert Contreras	Florida State University
2001	B.S. in <i>Psychology</i> Research Topic: Behavioral effects of sodium restriction on taste Undergraduate advisor: Dr. Sandra Frankmann	Colorado State University-Pueblo

Academic Employment

2016 – <i>present</i>	Instructor, U. of Colorado Boulder, Boulder, CO
2015 – 2016	Senior Instructor, U. of Colorado School of Medicine, Aurora, CO
2014 – 2015	Instructor, U. of Colorado School of Medicine, Aurora, CO
2008 – 2014	Post-doctoral fellow, U. of Colorado School of Medicine, Aurora, CO
2003 – 2008	Graduate Teaching Assistant, Florida State University, Tallahassee, FL

Professional Experience

Teaching Experience

Graduate

Summer 2016	Experimental Design & Research Methods	U. of Colo. School of Medicine
Fall 2015	Teaching and Professional Skills	U. of Colo. School of Medicine
Spring 2015	Neuroanatomy	U. of Colo. School of Medicine
Fall 2013	Neuroethology	U. of Colo. Neuroscience Program (Anschutz)

Undergraduate

Fall 2018	Psychological Statistics	U. of Colorado Boulder
Fall 2018	General Psychology	U. of Colorado Boulder
Spring 2018	Research Methods in Psychology	U. of Colorado Boulder
Spring 2018	General Psychology	U. of Colorado Boulder
Fall 2017	Research Methods in Psychology	U. of Colorado Boulder

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Summer 2017	Research Methods in Psychology	U. of Colorado Boulder
Spring 2017	General Psychology	U. of Colorado Boulder
Spring 2017	Psychological Statistics	U. of Colorado Boulder
Fall 2016	Research Methods in Psychology	U. of Colorado Boulder
Fall 2016	General Psychology	U. of Colorado Boulder
Spring 2016	Animal Behavior	U. of Colorado Denver
Every Fall and Spring 2013- 2016	Biological Basis of Behavior	U. of Colorado Denver
Spring 2015 – Fall 2015	Research Methods in Psychology	U. of Colorado Denver
Fall 2014	Behavioral Neuroscience	U. of Colorado Denver
Fall 2007	Responsible Conduct of Research	Florida State University
Spring 2007	Physiological Psychology	Florida State University
Fall 2006	Research Methods	Florida State University
<i>Mentoring Experience</i>		
2015	Independent Study Student	U. of Colo. Denver
2011	BRAiN Program Trainee	U. of Colo. Neuroscience Program (Anschutz)
2010	SKILL Program Trainee	U. of Colo. Neuroscience Program (Anschutz)
<i>Student Graduate Committee Service</i>		
2018 – present	Sarah Vacek	U C Boulder Dept Psychology and Neuroscience (honors thesis member)
2018 – present	Renee Dreher	U C Boulder Dept Psychology and Neuroscience (honors thesis member)
2018 – present	Cassidy Plunkett	U C School of Medicine (Master’s outside member)
2017 – 2018	Haley March	U C Boulder Dept Psychology and Neuroscience (honors thesis member)

2017 – 2018	Carissa Vinovskis	U C School of Medicine (Master’s outside member)
2017 – 2018	Angelique Duenas	U C School of Medicine Program (Master’s outside member)
2016- 2017	Benjamin Culleen	U C School of Medicine (Master’s outside member)
2016- 2017	Briauna Blezinski	U C School of Medicine (Master’s outside member)
2014- 2016	Chelsea Goldberg	U C School of Medicine (Master’s outside member)

Professional Outreach and Awards

Outreach

2018	Careers in Neuroscience: Driving Your Own ‘Boat’ to Your Future Career	Neuroscience Club (CU Boulder)
2018	Psychology and the Brain	Cool Off with 43 Degrees CU Boulder Arts and Sciences Ice Cream Social
2018	Taste and the Digestive System: The Complexity Behind What to Eat for Dinner	Psychology Club (CU Boulder)
2015	Minds on Brains	N.Y. Museum of Natural History, California Academy of Sciences, Denver Museum of Nature and Science
2014	The Brain and Our Senses	Denver Museum of Nature and Science
2013	Conversations in Local Health Research	Denver Museum of Nature and Science
2009 – 2011	Aurora LIGHTS	Colorado Area Health Education Center

Awards

2018	Woman Who Make a Difference	Center for Inclusion and Social Change, CU Boulder
2014	Polak Young Investigator Award	Association for Chemoreception Sciences
2013	Best Oral Presentation	Rocky Mountain Regional Neuroscience Meeting
2011	Featured in Wired Magazine	‘Why Do We Like the Taste Of Protein?’ www.Wired.com

2005	Beidler Fellow	Florida State University
Completed Funding		
2011- 2014	Individual Post-doctoral NRSA	National Institutes of Health
	<i>Grant number: 1F32DC012025-01A1</i>	
2008 – 2011	Amino Acid Research Grant	Ajinomoto Corporation
2007 – 2009	Individual Predoctoral NRSA	National Institutes of Health
	<i>Grant number: F31 DC008934</i>	
2004 – 2007	Institutional NRSA Chemosensory Training Award	Florida State University
	<i>Grant number: T32 DC00044</i>	

Invited Talks and Presentations

Stratford, J.M., Sasnett-Martichuski, D., Friedman, N., Rhee, S., Berta, J., Chasteen, S. & Blair, I. Getting students ‘psyched’ about psychology: What do we want our students to learn in an introductory psychology course? 9th Annual STEM Symposium, University of Colorado Boulder, 2017

Stratford, J.M., Sasnett-Martichuski, D., Friedman, N., Rhee, S., Berta, J., Chasteen, S. & Blair, I. Getting students ‘psyched’ about psychology: What do we want our students to learn in an introductory psychology course? 2017 TRESTLE Annual Meeting, University of Indiana, 2017

Finger, T.E., **Stratford, J.M.** "Sour: More than a Primary Taste." 26th Annual Meeting of the European-Chemoreception-Research-Organization (ECRO), 2016

Stratford, J.M. Activation of intestinal sodium-glucose co-transporters 1 and 3 is sufficient for mice to form a conditioned flavor preference, 36th Annual Meeting for the Association for Chemoreception Sciences, Bonita Springs, FL, 2014

Stratford, J.M. Taste and the Digestive System: The complexity behind your decision of what to eat for dinner. Postdoctoral Seminar Series, U. of Colorado Denver, 2014

Stratford, J.M. Nutritive value, not taste, is necessary for the formation of conditioned flavor preferences. 33rd Blankenese Conference Nutrient Sensing: From Brain to Gut, Hamburg-Blankenese, Germany, 2013

Stratford, J.M. Nutritive value, not taste, is necessary for conditioned flavor preferences. Rocky Mountain Regional Neuroscience Meeting, Aurora, CO, 2013

Publications

Stratford, J.M., Larson, E.D., Yang, R., Salcedo, E. & Finger, T.E. (2017). GFP delineates Gustatory Fibers innervating Sour-responsive Taste Cells: A Labeled Line for Sour Taste?, *Journal of Comparative Neurology*, 525, (10), 2358-2375.

Stratford, J.M., Thompson, J.A., & Finger, T.E. (2017). Immunocytochemical organization and sour taste activation in the rostral nucleus of the solitary tract of mice, *Journal of Comparative Neurology*, 525 (2), 271-290.

Stratford, J.M., Larson, E.D., Yang, R., Salcedo, E. & Finger, T.E. (2016). Primary Gustatory Afferents Expressing 5-HT3A Preferentially Convey Sour Taste Information, *Journal of Neuroscience* (submitted).

Gaillard D, **Stratford J.M.** (2016). Measurement of Behavioral Taste Responses in Mice: Two-Bottle Preference, Lickometer, and Conditioned Taste-Aversion Tests, *Current Protocols in Mouse Biology*, 6 (4), 380-407.

Stratford, J.M. & Thompson, J.A. (2016). MSG-evoked c-Fos activity in the nucleus of the solitary tract is dependent upon fluid delivery and stimulation parameters, *Chemical Senses*, 441(3), 211-220.

Rorabaugh J.M, **Stratford J.M.**, & Zahniser N.R. (2015). Differences in bingeing behavior and cocaine reward following intermittent access to sucrose, glucose or fructose solutions, *Neuroscience*, 301, 213-220.

Stratford, J.M. and Thompson, J.A. (2014). Beta-galactosidase staining in the nucleus of the solitary tract of Fos-tau-LacZ mice is unaffected by monosodium glutamate taste stimulation. *PLoS One*, 9(9), e107238.

Rorabaugh, J.M., **Stratford J.M.**, & Zahniser, N.R. (2014). A relationship between reduced nucleus accumbens shell and enhanced lateral hypothalamic orexin neuronal activation in longterm fructose bingeing behavior, *PLoS One*, 9(4), e95019.

Ohkuri, T., Horio, N., **Stratford, J.M.**, Finger, T.E. & Ninomiya, Y. (2012). Residual chemoresponsiveness to acids in the superior laryngeal nerve in "taste-blind" (P2X2/P2X3 double KO) mice. *Chem Senses*, 37(6), 523-532.

Stratford, J.M. & T.E. Finger. (2011). Central representation of postingestive chemosensory cues in mice that lack the ability to taste. *J Neurosci*, 31(25), 9101-1011.

Stratford, J.M. & Contreras, R.J. (2009). Saliva and other taste stimuli are important for gustatory processing of linoleic acid. *Am J Physiol Regul Integr Comp Physiol*, 297(4), R1162-1170.

Stratford, J.M. & Contreras, R.J. (2009) Peripheral gustatory processing of linoleic acid. *Fat Detection: Taste, Texture, and Post Ingestive Effects*. 123-136.

Stratford, J.M. & Contreras, R.J. (2009). Saliva and other taste stimuli are important for gustatory processing of linoleic acid. *Am J Physiol Regul Integr Comp Physiol*, 297(4), R1162-R1170.

Stratford, J.M., Curtis, K.S., & Contreras, R.J. (2008). Linoleic acid increases chorda tympani nerve responses to and behavioral preferences for monosodium glutamate by male and female rats. *Am J Physiol Regul Integr Comp Physiol*, 295(3), R764-R772.

Stratford, J.M., Curtis, K.S., & Contreras, R.J. (2008). Linoleic acid increases chorda tympani nerve responses to and behavioral preferences for monosodium glutamate by male and female rats. *Am J Physiol Regul Integr Comp Physiol*, 295(3), R764-R772.

Stratford, J.M., Curtis, K.S., & Contreras, R.J. (2006). Chorda tympani nerve transection alters linoleic acid taste discrimination by male and female rats. *Physiol and Behav*, 89(3), 311-319.

Curtis, K.S., **Stratford, J.M.,** & Contreras, R.J. (2005). Estrogen increases the taste threshold for sucrose in rats. *Physiol and Behav*, 86(3), 281-286.