

Jessamy S. Norton-Ford

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Education

In Prog	Ph.D.	Psychology (Cognitive Sciences)	University of California, Irvine (expected, 2014) Thesis: <i>Synchrony as a mechanism for syntactic binding</i> (Committee: Greg Hickok, Lisa Pearl, Jon Sprouse (Chair))
2010	M.A.	Psychology (Cognitive Sciences)	University of California, Irvine
2007	M.A.	Linguistics	University of California, Santa Cruz
2004	B.A.	Linguistics	University of California, Santa Cruz

Research Interests

Neural correlates of sentence processing, electrophysiology, syntax, computational models of cognition.

Working Papers

Norton-Ford, J., Deng, S., Srinivasan, R. (2013). Linguistic Information Processing Influences High-Frequency Activity in Auditory Cortex: EEG Evidence of Top-Down Influences on the Gamma Band Auditory Steady State Response. (in prep)

Norton-Ford, J. (2013). Dynamic frequency correlates of (morpho-)syntactic processing: induced beta band activity correlates with the successful composition of agreement, abstract case, and thematic relations.

Norton-Ford, J. (2013). The Role of Endogenous and Exogenous Activity in Neuroimaging: A Historical Perspective.

Extended Abstracts

Norton-Ford, J., Deng, S., Kean, M. L., Srinivasan, R. (2010). Sensitivity of the gamma band auditory steady state response to linguistic aspects of a stimulus. *Extended Abstracts of 84th Annual Meeting of the Linguistic Society of America*.

Invited Talks

Norton-Ford, J. EEG analysis of linguistic stimuli: sensitivity of the gamma band steady state response to the presence of semantic meaning. *Distinguished Alumna Address, Linguistics Undergraduate Research Conference at the University of California, Santa Cruz* (June 4, 2010).

Conference Presentations

Norton-Ford, J. and Sprouse, J. Dynamic spectral correlates of conditions which elicit the P600. *87th Annual Meeting of the Linguistic Society of America, Boston, MA* (January 3-6th, 2013)

Norton-Ford, J. and Sprouse, J. Dynamic frequency correlates of (morpho-)syntactic processing: Induced beta band activity correlates with the successful composition of agreement, abstract case, and thematic relations. *Fourth Annual Neurobiology of Language Conference, San Sebastian, Spain* (October 27, 2012).

Norton-Ford, J., Deng, S., Kean, M. L., Srinivasan, R. Sensitivity of the gamma band auditory steady state response to linguistic features of a stimulus. *84th Annual Meeting of the Linguistic Society of America, Baltimore MD* (January 7, 2010).

Norton-Ford, J., Padgett, J. Focus and pitch accent in English. *Linguistics at Santa Cruz annual conference (LASC) at the University of California, Santa Cruz* (March 4, 2007).

Research Experience

September, 2012 - January, 2013 Graduate Student Researcher UC Irvine

PI: Professor Bill Maurer

Performed large-scale data analysis of point of sale activations (purchase records of phone "minutes") as part of a collaboration with large local telecom service provider. Presented results, including geographical representations of sales patterns, at Social Sciences Experts Series events at UCI in April, 2013.

August, 2010 - August, 2011 Graduate Student Researcher UC Irvine

PI: Dr. Bill Zeller, Graduate Resource Center Director

Assisted graduate students with the composition and editing process of grant, fellowship, and article writing. Designed and hosted seminars dealing with the application process of various funding opportunities for graduate students. Planned and conducted graduate student writing workshops.

Winter, 2006 Graduate Student Researcher UC Santa Cruz

PI: Professor Jorge Hankamer

Performed a large-scale literature review of morphological research dealing with processing of case and number cross-linguistically.

Teaching Experience

Instructor

2010 - 2012	Intro to Psychology Fundamentals B	UC Irvine	(3)
2009 - 2010	Cognition, Language and Schooling	CSU Dominguez Hills	(2)

Teaching Assistant

Psychology Department

2011	Experimental Psychology A	UC Irvine	(1)
2010, 2013	Intro to Psychology Fundamentals A	UC Irvine	(2)
2010	Intro to Psychology Fundamentals B	UC Irvine	(2)
2009	Human Memory	UC Irvine	(1)
2012	Psychology of Language	UC Irvine	(2)
2007-2009	Intro to Psychology for non-majors	UC Irvine	(4)
2009	Probability & Statistics SocSci-majors	UC Irvine	(1)

Linguistics Department

2008	Intro to Linguistics	UC Irvine	(1)
2007	Syntactic Structures	UC Santa Cruz	(1)
2007	Mod English Grammar	UC Santa Cruz	(1)
2006	Intro to Linguistics	UC Santa Cruz	(1)
2006	Syntax I	UC Santa Cruz	(2)

Writing Tutor

Assisted graduate students with the composition and editing process of grant, fellowship, and article writing. Designed and hosted seminars dealing with the application process of various funding opportunities for graduate students. Planned and conducted graduate student writing workshops (below).

- 2010 Writing Your Way to a Focused Research Question
 - Building the Lit Review
 - Presenting Methods and Results
 - Introductions, Conclusions and Abstracts
 - Incorporating Sources and Avoiding Plagiarism
- 2011 Creating a Successful Presentation: From Manuscript to Conference
 - Civic Engagement and Writing Op-eds
 - Academic Writing for Non-Native English Speakers pt 1
 - Basic Rules for Writing for Publication
 - Academic Writing for Non-Native English Speakers pt 2
 - How to Write a CV
 - Writing a Teaching Philosophy

Mentoring

Undergraduate Honors Student, UC Irvine: Lissa Pratt (2010).

Honors, Awards, & Fellowships

- 2011 2nd place for the Ralph Waldo Gerard Prize in the History of Neuroscience from the Department of Neurobiology & Behavior, UC Irvine for *The Role of Endogenous and Exogenous Activity in Neuroimaging: A Historical Perspective*.
- Winter, 2012 Associate Dean's Fellow, School of Social Sciences, UC Irvine.
- June-July, 2009 Fellow, NIMH Summer Institute in Cognitive Neuroscience, UC Santa Barbara.
- 2008-2012 Summer Fellowship, Department of Cognitive Sciences, UC Irvine.

Professional experience

August, 2010 - August, 2011 Graduate Student Housing Assistant UC Irvine

Supervisor: Kerri Sherwood, Palo Verde Housing

Functioned as part of a team of on-site safety and facilities managers. Assisted residents during non-office hours with housing and maintenance requests. Maintained detailed records of all interactions with resident community, as well as daily records of facilities. Planned and hosted activities designed to foster the graduate resident student community.

September, 2004 - September, 2005 Assistant Director SCORE! Educational Centers, San Jose, CA

Supervisor: Sarah Husain

Tutored students between 5-14 years of age in a range of academic skills. Led weekly writing workshops, working with students on their individual, independent writing projects. Consulted with parents about students' progress, keeping them updated on expectations and progress-markers established in the SCORE! curriculum. Maintained constant communication with senior staff, both in my local learning center, and regionally. Engaged in training and feedback sessions about my progress. Recruited new clients.

September - December, 2003 University of California, DC internship program UC Santa Cruz

Supervisor: Ellen Ratner, Talk Radio News Services, Washington, DC

Reported daily breaking news from the White House, Capitol Hill and Pentagon, as well as other press events across Washington DC to east coast and west coast affiliates. Booked daily guests for a network of talk radio news programs. Posted stories to the the College Media News branch of TRNS website.

Professional Memberships

2008-Present Cognitive Neuroscience Society
 2008-Present Linguistic Society of America
 2012-Present Society for the Neurobiology of Language

Additional Training

12th annual EEGLAB workshop, UC San Diego Nov 17-20, 2010
 Summer Institute in Cognitive Neuroscience, UC Santa Barbara June - July, 2009

Technical Skills

Programs & Statistical Packages

Fluent in: Matlab, FieldTrip, Latex, Presentation, Praat
 Comfortable with: EEGLAB, Unix, PERL, HTML, R, Winbugs

EEG/ERP Equipment

ASA-Lab EEG/ERP system
 128-channel sponge-based HydroCel Geodesic sensor net (EGI)
 32-channel Waveguard electrode cap (ANT)
 Cedrus StimTracker

Signal-processing techniques

ICA/PCA, Wavelet analysis, Phase-coherence analysis

Relevant Course Work

Statistical and Computational Cognitive Science Course Work: 1 year of Mathematical Statistics including Design of Experiments; Multivariate Time Series Analysis; Introduction & Advanced Bayesian Cognitive Modeling. *Computational Course Work:* Computational Methods: MATLAB; Experiments in MATLAB; Computational Methods in Language Science Research (in PERL). *Cognitive Science Course Work:* Learning, Memory and Knowledge Organization; Decision-Making and Problem Solving. *Psycholinguistic/Neurolinguistic Course Work:* Sentence Processing; Experimental Syntax; Lexical Access; Semantic Organization in the Brain; Neuroscience of Language.

References

Jon Sprouse	Associate Professor at the University of Connecticut	jsprouse@uconn.edu
Lisa Pearl	Associate Professor at the University of California, Irvine	lpearl@uci.edu
Greg Hickok	Professor at the University of California, Irvine	gshickok@uci.edu
Bill Zeller	Director of the Graduate Resource Center, University of California, Irvine	wzeller@uci.edu