

Phonetics & Phonology @ UC San Diego

Who we are and what we're up to, as of February 2013

Sharon Rose, Associate Professor

(BA, Toronto; MA, Université du Québec à Montréal; PhD, McGill)

My research interests are varied, and are driven by primary data collection on African languages, particularly Ethiopian Semitic and Kordofanian (Niger-Congo). My primary research interests center on long distance phonotactics (harmony, dissimilation), tone and metrical structure, prosodic morphology and affix order. My recent work has also included collaboration on phonetics, syntax and psycholinguistics projects. I am currently working on a description and analysis of the Kordofanian language, Moro, funded by an NSF grant, which includes phonological research on tone, vowel harmony, dissimilation and intonation. I have supervised students (my own advisees as well as others) on a variety of topics. I particularly welcome students interested in combining fieldwork and phonological theory.

Eric Baković, Associate Professor

(BA, UC Santa Cruz; PhD, Rutgers)

My interests are in phonological theory, and my research is generally about the complex interaction of phonological processes. My most recent work has been on blocking and opaque interactions in particular, and I am currently working on a formal method for understanding those interactions. It has been a particular pleasure working with students whose research foci are a bit removed from mine. This is a reflection of the diverse-yet-interactive (and collaborative) orientation of our program and of the campus.

Gabriela Caballero, Assistant Professor

(BA, Universidad de Sonora, Mexico; PhD, Berkeley)

My research seeks to contribute to the documentation of indigenous languages of the Americas and to further our understanding of what is the possible range of variation in terms of phonology, morphology and their interaction. I specialize in Uto-Aztec languages and conduct field research on Rarámuri, an endangered language spoken in northern Mexico. Together with Lucien Carroll, I'm currently working on tone and metrical structure and their interaction in Rarámuri word prosody. I'm also collaborating with Vsevolod Kapatsinski (U Oregon) in a project that investigates the ways in which morphological structure conditions phonological phenomena and the role that speech perception and processing might play in shaping morphological complexity in Rarámuri's agglutinating morphology.

Lucien Carroll, ABD

(BA, BS, UC Santa Barbara; MA ABT, San Diego State University)

My primary interests are in phonological and phonetic description of tone and prosody. I've recently worked on speaker variation in the sandhi tones of Jinhua Wu, vowel lengthening and tone patterns in GiTonga, and (with Gabriela Caballero) on stress and tone in Rarámuri. My thesis is a phonological and acoustic description of word prosody and tone in Ixpantepec Nieves Mixtec. I am also interested in quantitative modeling of cross-linguistic variation as a product of synchronic variation and change.

Bethany Keffala, ABD

(BA, Bryn Mawr College; MA, UC San Diego)

I am interested in phonological acquisition, phonotactic knowledge, categorization and contrast within phonological systems, and how frequency and complexity impact phonological learning. My research, with the collaboration of Jessica Barlow from SDSU, investigates the acquisition of syllable structures and segments in mono- and bilinguals, as well as interaction in bilingual phonological acquisition (Spanish and English mono- and bilinguals). I also sometimes work on sentence processing and resumptive pronouns with Grant Goodall (experimental syntax lab).

Hope Morgan, ABD

(BA, Sonoma State University; MA, UC San Diego)

My dissertation work is centered on the sub-lexical system of Kenyan Sign Language, which emerged only about 50 years ago. Goals for the phonological analysis include locating contrastive features and describing word types and minimal and maximal word forms. The task is complicated by highly divergent views of the underlying representation of segments in sign, the fact that descriptive sign phonology is an undeveloped field, and the possibility that some forms may still be emerging from undifferentiated wholes.

Younah Chung, 3rd-year student

(BA, MA, Yonsei University, Seoul, Korea)

I'm interested in phonetics and sociolinguistics, especially in the relationship between intonation and pragmatics. I've worked on Moro intonation examining duration and pitch in Moro polar questions. I'm currently working on speech cycling experiments in Korean, which lacks stress, to examine what, if any, elements are used in Korean for rhythm purposes.

Page Piccinini, 3rd-year student

(BA, MA, Northwestern University)

I am interested in phonetics and phonology and the role they play in bilingual speech production and perception. I am currently looking at Spanish-English code-switching to see if there are cues in the signal to alert the listener of an upcoming switch as phonotactic constraints from one language are mapped on to the other.

Amanda Ritchart, 2nd-year student

(BA, UCLA)

I am interested in the production and perception of intonation as well as sociolinguistic variation. I am currently investigating intonational variation in Southern Californian coastal speakers across several different sociolinguistic variables. I am also working with Sharon Rose on Moro vowel harmony.

Scott Seyfarth, 2nd-year student

(BA, BM, Northwestern University)

I am interested in using quantitative methods to study the role of mental representation in sound change. I am currently working on a corpus project that links probabilistic reduction to phonological change, and also on an experiment that compares hypotheses about neighborhood effects on vowel dispersion.

K. Michael Brooks, Honors undergraduate

My interests revolve around the psycho-, neuro-, and sociolinguistic aspects of phonological acquisition, particularly in disordered populations. My Honors Thesis investigates the learnability of phonological interactions given only indirect evidence.



Selected recent and upcoming work and such

Publications

- E. Baković. To appear. Phonology and phonological theory. *The Oxford Handbook of Language Production*.
- E. Baković. 2013. *Blocking and Complementarity in Phonological Theory*. Equinox.
- E. Baković. 2012. Local blocking and minimal violation. *Proc. CLS 45*.
- E. Baković. 2011. Opacity and ordering. *The Handbook of Phonological Theory* (2nd ed.).
- G. Caballero. To appear. Derivation in Uto-Aztecan: Rarámuri. *The Oxford Handbook on Morphological Derivation*.
- G. Caballero, S. Inkelas (to appear). Word construction: tracing an optimal path through the lexicon. Special issue of *Morphology*.
- G. Caballero, A. C. Harris (2012). A working typology of Multiple Exponence. *Sel. Proc. 14th International Morphology Meeting*, Benjamins.
- G. Caballero (2011). Multiple Exponence and the phonology-morphology interface. *Proc. NELS 39*.
- G. Caballero (to appear). Multiple Exponence of derivational morphology in Rarámuri (Tarahumara). *BLS 33*.
- G. Caballero. 2011. Morphologically conditioned stress assignment in Choguita Rarámuri (Tarahumara). *Linguistics 49*.
- G. Caballero. 2011. Behind the Mexican Mountains: Recent Developments and New Directions in Research on Uto-Aztecan Languages. *Language and Linguistics Compass 5*.
- R. Colavin, R. Levy, S. Rose. To appear. Modeling OCP-Place in Amharic with the Maximum Entropy Phonotactic Learner. *Proc. CLS 46*.
- H. Morgan, R. Mayberry. 2012. Complexity in two-handed signs: evidence for sub-lexical structure in a young sign language. *Sign Lg. and Linguistics 15* (1).
- S. Rose. To appear. The morphological structure of the Moro verb. *Nuba Mountain Language Studies*.
- A. Strabone, S. Rose. 2012. Morphophonological properties of Moro causatives. *Sel. Proc. ACAL 41*.
- S. Rose. 2011. Long distance assimilation of consonants. *The Blackwell Companion to Phonology*.
- S. Rose, R. Walker. 2011. Harmony Systems. *The Handbook of Phonological Theory* (2nd ed.).
- R. Shosted, S. Rose. 2011. Affricating ejective fricatives: the case of Tigrinya. *JIPA 41*.
- P. Jenks, S. Rose. 2011. High tone in Moro: effects of prosodic categories and morphological domains. *NLLT 29*.

Presentations

- E. Baković. Oct. 2013. Overlapping concerns: defining opaque and other interactions. Invited speaker, *Workshop on "Opacity in Grammar"*, University of Leipzig.
- E. Baković. Apr. 2013. Defining phonological interactions with string set intersection. Short course, UMass Amherst.
- E. Baković. May 2012. Breaking down rule interactions. *NAPhC 7*, Concordia University, Montréal.
- E. Baković. Apr. 2011. Breaking down rule interactions. Invited speaker, *RULing 6*, Rutgers University.
- E. Baković. Apr. 2011. Proper inclusion v. overlap: the domain of conflict resolution. Colloquium, UCLA.
- K. M. Brooks, B. Pajak, E. Baković. Jan. 2013. Learnability of complex phonological interactions: an artificial language learning experiment. *LSA 87*, Boston.
- G. Caballero. Dec. 2012. Assessing functionality of Multiple Exponence in Choguita Rarámuri. Colloquium, UCLA.
- G. Caballero, V. Kapatsinski. Oct. 2012. Redundant marking helps morpheme recognition in noise: Experimental evidence from Choguita Raramuri (Tarahumara) (poster). *The Mental Lexicon*, Université de Montréal and McGill University, Montréal.

- G. Caballero, V. Kapatsinski. Sept. 2012. Perceptual functionality of multiple exponence: experimental evidence from Choguita Rarámuri. *American International Morphology Meeting*, UMass Amherst.
- G. Caballero. Mar. 2012. Invited keynote speaker, *Workshop on Structure and Constituency in the Languages of the Americas 17*, University of Chicago.
- G. Caballero. Mar. 2012. Stress and tone in Choguita Rarámuri (Tarahumara) word prosody. Colloquium, UC Santa Cruz.
- G. Caballero. Feb. 2012. Tono y acento en el sistema prosódico del rarámuri (tarahumara) de Choguita. Invited talk, *Tono, acento y estructuras métricas en lenguas mexicanas*, Colegio de México.
- G. Caballero, A. P. Pintado. July 2012. Frames of reference in the language of space in Coyachique Rarámuri and Choguita Rarámuri. *The Language of Space in Latin American Indigenous Languages Workshop*, Vienna.
- G. Caballero. Jan. 2012. The prosody of interrogative and focus constructions in Choguita Rarámuri. *SSILA Annual Meeting*, Portland.
- G. Caballero. Oct. 2011. La fonología y morfología de los dominios morfológicos del rarámuri de Choguita. *Conferencia on Indigenous Languages of Latin America V*, University of Texas, Austin.
- G. Caballero. July 2011. Morphology and phonology in Choguita Rarámuri morphological domains. *Challenges of Complex Morphology to Morphological Theory Workshop* (co-organizer). LSA Summer Institute, Boulder.
- G. Caballero. Feb. 2011. The linguistic, social and political context of language documentation in Northern Mexico, *2nd Int'l Conf. on Language Documentation and Conservation*, University of Hawai'i.

- L. Carroll. Feb. 2013. Ixpantepec Nieves Mixtec word prosody. *1st Int'l Conf. on Meso-American Linguistics*.
- L. Carroll. Sept. 2012. When multiple exponence is blocked. *1st American Int'l Morphology Meeting*.
- Y. Chung, S. Rose. Mar. 2012. Duration and pitch in Moro polar questions. *ACAL 43*, New Orleans.
- Y. Chung, A. Arvaniti. July 2012. Speech Cycling in Korean. *PoRT2012*, Glasgow, UK.
- Y. Chung, A. Arvaniti. June 2013. Speech rhythm in Korean: Experiments in speech cycling. *ICA21 / ASA165 / CAA52*, Montréal.
- Y. Chung, A. Arvaniti. Nov. 2011. Speech Cycling in Korean. *ASA162*, San Diego.
- R. Colavin, R. Levy, S. Rose. Jan. 2012. Underrepresentation and word-acceptability in Amharic: Evidence from a judgment task. *LSA 86*, Portland.
- B. Keffala, J. Barlow. June 2012. Learning Liquids: Frequency and markedness as guiding factors in acquisition. *Int'l Child Phonology Conf.*, Minneapolis.
- R. Mayberry, M. Hatrak, H. Morgan. Nov. 2011. Age of acquisition affects the learning of phonological structure in ASL. *BUCLD 36*, Boston.
- P. Piccinini, E. Kramer. June 2013. Unsupervised machine learning for the accurate classification of the discourse marker *like* in code-switching utterances. *ICA 21 / ASA 165 / CAA 52*, Montréal.
- C. Grijalva, P. Piccinini, A. Arvaniti. June 2013. The vowel spaces of Southern Californian English and Mexican Spanish as produced by monolinguals and bilinguals. *ICA 21 / ASA 165 / CAA 52*, Montréal.
- P. Piccinini. Jan. 2013. The predictive power of gradient phonetic cues in Spanish-English code-switching. *LSA 87*, Boston.
- P. Piccinini. Jan. 2011. The gradient production of Spanish-English code-switching. *LSA 86*, Portland.
- P. Piccinini. Nov. 2011. The production of Spanish-English code-switching. *ASA 162*, San Diego.
- P. Piccinini, A. Arvaniti. Apr. 2011. The production of Spanish-English code-switching: VOT and the like. *Variation in Language and Processing*, Chester, UK.

- P. Piccinini, A. Bradlow. Apr. 2011. Semantic contextual cues and listener adaptation to foreign-accented English. *Variation in Language and Processing*, Chester, UK.
- A. Ritchart, S. Rose. Mar. 2013. The two schwas in Moro vowel harmony. *ACAL 44*, Georgetown.
- S. Rose. Nov. 2012. The syntax and prosody of Moro questions. Colloquium, UCLA.
- S. Rose. Aug. 2012. Verb complements in Moro. *WOCAL 7*, University of Buea, Cameroon.
- S. Rose. Sept. 2011. Phonology as a window into Moro verb structure. *1st Nuba Mountain Languages Conference*, Leiden University.
- S. Rose. June 2011. Voiceless dissimilation in Moro. *ACAL 42*, University of Maryland.
- S. Rose. May 2011. Unexplored interface effects: how tone impacts affix position. *Phonology in the 21st Century: Workshop in Honour of Glyne Piggott*, McGill University.

Funding

- F. Ackerman, S. Rose. 2008-2013. *Moro Language Project*. NSF grant BCS-0745973 (\$199,917).
- G. Caballero. 2012-2014. *A reference grammar of Choguita Rarámuri (Tarahumara)*. NSF grant DEL-1160672 (\$162,191). / 2008-2010. Hans Rausing Endangered Languages Documentation Project grant (£43,739).
- G. Caballero. 2011-2012. UCSD Hellman Fellowship.
- L. Carroll. 2013-2014. *Ixpantepec Nieves Mixtec Word Prosodic Phonology*. UC MEXUS Dissertation Research Grant.
- H. Morgan. 2010-2013. UCSD Center for Academic Research and Training in Anthropogeny Fellowship.
- P. Piccinini. 2012-2013. UCSD Center for Research on Language NIH Predoctoral Training Fellowship.
- S. Rose. 2013-2014. KNAW Visiting Professor Fellowship, Leiden University.
- S. Seyfarth. 2013. NSF East Asia and Pacific Summer Institute award (New Zealand).

Alumni

- Rebecca Colavin**, PhD 2013 (Advisors: Rose & Levy) Lecturer, UC San Diego and CSU San Marcos. Dissertation: *Phonotactic probability in Amharic: a psycholinguistic and computational investigation*.
- Bozena Pajak**, PhD 2012 (Advisors: Baković & Levy) Postdoctoral researcher, Center for Language Sciences, University of Rochester. Dissertation: *Inductive inference in non-native speech processing and learning*.
- Cynthia Kilpatrick**, PhD 2009 (Advisor: Baković) Assistant Professor, Department of Linguistics and TESOL, University of Texas, Arlington. Dissertation: *The Acquisition of Ungrammaticality: Learning a Subset in L2 Phonotactics*.
- Nicoleta Bateman**, PhD 2007 (Advisor: Rose) Assistant Professor, Liberal Studies, CSU San Marcos. Dissertation: *A Crosslinguistic Investigation of Palatalization*.
- Alicia Muñoz Sánchez**, PhD 2003 (Advisor: Rose) Spanish Language Academic Coordinator, Linguistics Department, UC San Diego. Dissertation: *The Effect of Phonological Status on the Acquisition of New Contrasts: Evidence from Spanish and Japanese L2 Learners of English*.
- Linda Godson**, PhD 2003 (Advisors: Polinsky & Rose) Director, Heritage Language Initiative, Department of Foreign Languages and Literatures, Portland State. Dissertation: *Phonetics of Language Attrition: vowel production and articulatory setting in the speech of Western Armenian heritage speakers*.