

Phonetics, Phonology, & Fieldwork @ UC San Diego

Who we are and what we're up to, as of March 2016

Sharon Rose, Professor

(BA, Toronto; MA, UQAM; PhD, McGill)

My research interests are driven by primary data collection on African languages, particularly Ethiopian Semitic and Kordofanian (Niger-Congo). They center on long distance phonotactics (harmony, dissimilation), tone, and prosodic morphology. I have recently started a project on the phonological characteristics of ideophones. My recent work has included collaboration on phonetics, syntax and psycholinguistics projects. I am currently working on a book-length grammar of the Kordofanian language, Moro, funded by an NSF grant. I have supervised students (my own advisees as well as others) on a variety of topics, ranging from sign language phonology to acquisition. I particularly welcome students interested in combining fieldwork and phonological theory.

Eric Baković, Professor

(BA, UC Santa Cruz; PhD, Rutgers)

My interests are in phonological theory, and my research is generally concerned with relations between phonological processes. My recent work has been on blocking and opaque interactions in particular; I am now working on formal methods for understanding these and other relations, in collaboration with Lev Blumenfeld (Carleton University). I also have the pleasure of working on projects with students and other faculty here at UC San Diego.

Gabriela Caballero, Associate Professor

(BA, Universidad de Sonora, Mexico; PhD, UC 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-Aztecan languages and conduct field research on Rarámuri (Tarahumara) in northern Mexico. Recent projects include investigating variable affix ordering, multiple exponence, tone and metrical structure. My research interests recently extend to the psycholinguistic investigation of phonological and morphological processing (with Volya Kapatsinski (U Oregon)), as well as examining the role of register, boundary tones, lengthening and phonation manipulations in the intonation of Rarámuri (with Marc Garellek, Andrés Aguilar and Lucien Carroll).

Marc Garellek, Assistant Professor

(BA, McGill; PhD, UCLA)

My interests are in phonetics and laboratory phonology, especially of laryngeal sounds. I study the physical range of possible laryngeal articulations, how these interact with other segments and suprasegments, and how different languages exploit the larynx to convey linguistic meaning. My work has led to detailed phonetic analyses of diverse languages including Malayalam, Mazatec, Hmong, Tongan, and Yi. The multidisciplinary nature of my research has led to frequent collaborations with electrical engineers and speech-language pathologists; I particularly enjoy working with those interested in applying a quantitative analysis of speech to a broad range of scientific questions.

Angeliki Athanasopoulou, Visitor

(BA, University of Ioannina; MA, PhD, Delaware)

My research focuses on prosodic phenomena including the manifestation of prominence (stress and focus) across languages and the acquisition of these patterns by children. In my dissertation, I study the role of phonological structure (Prosodic Hierarchy) in prosodic development investigating the production properties of compounds, phrases, and clitic constructions of 6-, 8-, and 12-year-olds acquiring Greek and English. In collaboration with Irene Vogel (and other members of the UD Stress Lab) I study the effect of phonological properties to the manifestation of stress, focus, and tone cross-linguistically. I am also working on the interaction between language development and language change, focusing on the use and acquisition of creaky voice in English. I recently joined UCSD where I plan to work on the interaction of phonology and semantics/pragmatics in language development.

Justin D. McIntosh, Visitor

(BA, Evergreen; MA, PhD, Austin)

My research focuses on the documentation of languages in their social and cultural context, and takes a theoretically informed approach to language description, while considering broader research agendas that include community efforts for language preservation. I do fieldwork in collaboration with speakers, especially speaker-linguists, and base my linguistic description on ethnographically focused oral texts gathered in an array of contexts. My interests include digital archiving and Mesoamerican linguistics. I specialize on Otomanguean languages and conduct fieldwork on Teotepéc Eastern Chatino in Oaxaca, Mexico. My recent work examines tone and prosody and its interaction with morphology in Teotepéc Chatino.

Younah Chung, ABD

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

I'm generally interested in sociophonetics, heritage linguistics and prosody. I'm currently looking at phonetics and syntax of heritage Korean in long-term contact with English to see how and why heritage Korean is formed the way it is, and especially, to see the influence of linguistic and sociocultural backgrounds of heritage speakers on their languages.

Hope Morgan, ABD

(BA, Sonoma State; 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.

Amanda Ritchart, ABD

(BA, UCLA; MA, UC San Diego)

My main research interests include phonetics and intonation. Some areas that I have been exploring include phonetic enhancement and nasalization, tonogenesis in Punjabi, the sociophonetics of declarative rises, and the syntax-prosody interface of the *that*-trace effect.

Scott Seyfarth, ABD

(BA, BM, Northwestern)

I'm interested in the interaction of probabilistic knowledge with phonetic and phonological representation. Recently, I've been looking at how segment and word durations are changed in response to context and morphological structure, both online and offline. I'm also working on a corpus analysis of coda stop glottalization in American English.

Andrés Aguilar, 3rd-year grad

(BA, UCLA; MA, CSUN)

I am interested in phonology and in its interaction with morphology, and also in language documentation. I am currently studying how phonological processes interact with syllable structure in the agglutinative morphology of Nahuatl. I am also working with Gabriela Caballero on Rarámuri.

Kati Hout, 3rd-year grad

(BA, Ohio State; MA, UC San Diego)

I study "exceptional" phonology, both in terms of literal exceptions and unusual or difficult-to-describe processes. I am particularly focused on vowels and their interactions. I am also a field worker with a focus on languages of East Africa, and have worked on Mushunguli (Bantu, Somalia) and Bari (Nilotic, South Sudan).

Anna Mai, 1st-year grad

(BA, Washington University)

I am interested in the phonology and phonetics of suprasegmentals including stress, tone, and prosody. Current projects I am working on include a phonetic study of onset contribution to syllable weight in English and a characterization of the intonational phonology of Tipai Kumiai.

Adam McCollum, 1st-year grad

(BA, Presbyterian College; MA, University of Florida)

I am interested in empirical methodologies of primary data collection and analysis and their relevance for phonological theory. Broadly, I study synchronic and diachronic consequences of weakness, attempting to formulate this intuitive but vague notion in more testable terms. Specifically, I've been working on labial harmony in Kazakh, and will soon start a documentation project on Yazgulyami (SE Iranian) syllable structure.



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Linguistic Fieldwork
Working Group

Phonetics, Phonology, & Fieldwork @ UC San Diego

Selected recent publications, presentations, funding, and alumni

Publications (2015 - to appear)

- M. Armstrong, P. Piccinini, A. Ritchart. 2015. The phonetics and distribution of non-question rises in two varieties of American English. *Proc. ICPHS 18*.
- E. Baković. 2015. Four distributional arguments. *Short 'schrift for Alan Prince*.
- E. Baković. The analysis of opacity. In preparation for *Annual Review of Linguistics*.
- E. Baković. Exceptional stress in Spanish. To appear, *Catalan Journal of Linguistics*.
- E. Baković, L. Blumenfeld. Compound relations between phonological maps: ambivalence and reciprocity. Submitted to *Phonology*.
- G. Caballero, L. Carroll. 2015. Tone and stress in Choguita Rarámuri (Tarahumara) word prosody. *IJAL 81*.
- G. Caballero, V. Kapatsinski. 2015. Perceptual functionality of morphological redundancy in Choguita Rarámuri (Tarahumara). *Language, Cognition and Neuroscience 30*.
- B. Chamora, J.-F. Prunet, S. Rose. Inor Group. To appear, *Handbook of Ethiopian Languages*.
- Y. Chung, P. Piccinini, S. Rose. To appear. The interaction of polar question and declarative intonation with lexical tone in Moro. *Proc. Speech Prosody 8*.
- M. Garellek. 2015. Perception of glottalization and phrase-final creak. *JASA 137*.
- M. Garellek, A. Aguilar, L. Carroll, G. Caballero. 2015. Lexical and post-lexical tone in Choguita Rarámuri. *Proc. ICPHS 18*.
- M. Garellek, R. Samlan, B. Gerratt, & J. Kreiman. Modeling the voice source in terms of spectral slopes. To appear, *JASA*.
- M. Garellek, J. White. 2015. Phonetics of Tongan stress. *JIPA 45*.
- K. Hout. Exceptions to Hiatus Resolution in Mushunguli (Somali Chizigula). To appear, *Africa's Endangered Lgs.: Documentary and Theoretical Approaches*, Oxford.
- P. Jenks, S. Rose. 2015. Mobile Object Markers in Moro: The Role of Tone. *Language 91*.
- P. Jenks, S. Rose. Documenting control and raising in Moro. To appear, *Africa's Endangered Lgs.: Documentary and Theoretical Approaches*, Oxford.
- J. Kanwal, A. Ritchart. 2015. An experimental investigation of tonogenesis in Punjabi. *Proc. ICPHS 18*.
- P. Keating, M. Garellek, J. Kreiman. 2015. Acoustic properties of different kinds of creaky voice. *Proc. ICPHS 18*.
- J. Kreiman, M. Garellek, G. Chen, A. Alwan, B. R. Gerratt. 2015. Perceptual evaluation of voice source models. *JASA 138*.
- A. McCollum. 2015. Labial Harmonic Shift in Kazakh: Mapping the Pathways and Motivations for Decay. *Proc. BLS 41*.
- A. McCollum. Modeling the gradient evolution and decay of harmony systems. To appear, *Proc. AMP 2015*.
- H. Morgan, S. Gilchrist, E. Burichani, J. Osome. 2015. Kenyan Sign Language. *Sign Languages of the World: A Comparative Handbook*. De Gruyter Mouton.
- S. Namboodiripad & M. Garellek. Malayalam (Namboodiri dialect). To appear, *JIPA*.
- A. Ritchart, G. Goodall, M. Garellek. 2016. Prosody and the *that*-trace effect: an experimental study. *Proc. WCCFL 33*.
- A. Ritchart, S. Rose. 2015. Schwas in Moro vowel harmony. *Sel. Proc. ACAL 44*.
- A. Ritchart, S. Rose. Moro Vowel Harmony: Implications for transparency and representations. Accepted, *Phonology*.
- S. Seyfarth, M. Garellek. 2015. Coda glottalization in American English. *Proc. ICPHS 18*.
- S. Seyfarth, E. Buz, T. F. Jaeger. 2016. Dynamic hyperarticulation of coda voicing contrasts. *JASA-EL 139*.

Presentations (2015 - upcoming)

- A. Aguilar. 3/2015. Nahuatl Palatal Glides. *2nd Int'l Conference on Mesoamerican Linguistics*, Los Angeles.
- A. Aguilar. 10/2015. Palatal glide interactions in Chicontepc Nahuatl. *CILLA VII*, Austin.
- A. Aguilar, G., Caballero, L. Carroll, M. Garellek. 1/2015. Multi-dimensionality in the tonal realization of Choguita Rarámuri (Tarahumara). *SSILA*, Portland.
- E. Baković. 7/2015. Conflict resolution: proper inclusion v. overlap. *Competition Workshop*, LSA Institute, Chicago.
- E. Baković. Ensuring the proper determination of identity: components of constraint construction. Invited talk, UMass (3/2015), MIT (9/2015), Stanford (4/2016).
- E. Baković. 10/2015. The relative and the absolute: the Tunica stress conspiracy revisited. *AMP 2015*, Vancouver.
- E. Baković. 5/2016. Compound relations between phonological maps: ambivalence and reciprocity. Invited talk, *NAPhC 9*, Montréal. (with L. Blumenfeld)
- E. Baković, L. Blumenfeld, J. Heinz, J. Riggle. 1/2016. Decomposing complex relations between phonological maps. *LSA 90*, Washington DC.
- G. Caballero. 7/2015. The development of lexical stress in initial three-syllable windows in Tarahumara-Guaririo (Uto-Aztecan). *Workshop on Diachronic Morphophonology: Lexical Accent Systems, 22nd International Conference on Historical Linguistics*, Naples.
- G. Caballero. 10/2015. Debilitamiento y estructura prosódica en el Rarámuri de Choguita. *CILLA VII*, Austin.
- G. Caballero. 10/2015. Motivating Multiple Exponence. *Workshop on Replicative processes in grammar: Harmony, copying, doubling, and repetition*, Leipzig.
- G. Caballero. 11/2015. Lenition and prosodic structure in Choguita Rarámuri. *Texts in Transition: Languages and Linguistics of the Native West*, UC Santa Cruz.
- Y. Chung, A. Ritchart. 4/2014. Intonation patterns of interrogative constructions in Ixpantepec Nieves Tu'un Savi (Mixtec). *SSMCA*, Yale.
- Y. Chung, J. Moore. 2015. Korean Null and Overt Pronouns in Contact. *ICKL & Harvard-ISOKL*, Chicago.
- Y. Chung, Ch. Kim. 2015. Prosodic Disambiguation of Korean Relative Clause Attachment. *ICKL & Harvard-ISOKL*, Chicago.
- M. Garellek. 8/2015. What is creaky voice ("vocal fry"), and why do we use it? Invited talk, Merced.
- M. Garellek, P. Keating. 1/2015. Phrase-final creak: articulation, acoustics, and distribution. *LSA 89*, Portland.
- M. Garellek, P. Keating. 1/2015. Acoustic analysis of creaky voice. *LSA 89*, Portland.
- Z. Hermes, M.-J. Fu, S. Rose, R. Shosted, B. Sutton. 7/2016. Representations of Place and Airstream Mechanism: A real-time MRI study of Tigrinya ejectives. *LabPhon 15*.
- K. Hout. 3/2016. Dominance and Assimilation in Bari. *ACAL 47*, Berkeley.
- K. Hout, E. Baković. 1/2015. Two approaches to exceptionality in Mushunguli (Somali Chizigula). *Workshop on Exceptions in Phonology*, Barcelona.
- B. Keffala, J. Barlow, S. Rose. 6/2016. Interaction in Spanish-English bilinguals' acquisition of English coda clusters. *Int'l Child Phonology Conference*.
- A. McCollum. 1/2015. On the Decay of Rounding Harmony in Kazakh: A Case of Contact-Induced Shift? *CUNY Conference on Multilingual Phonology*.
- A. McCollum. 11/2015. Reinterpreting height-conditioned trigger strength in Kazakh labial harmony. *Phlunch*, UC Santa Cruz; *Tu+I*, UMass Amherst.
- H. Morgan. 1/2016. Language from gesture: A case study from East Africa. *TISLR 12*, Melbourne.
- H. Morgan. 1/2016. The curious case of minimal pairs in sign language. *TISLR 12*, Melbourne.

- H. Morgan. 3/2016. The effect of modality on signal space in natural languages. *EvoLang 11*, New Orleans.
- S. Namboodiripad, M. Garellek, E. Baković. 1/2015. Moraic geminates in Malayalam: evidence from minimal word effects and loanword adaptation. *LSA 89*, Portland; *OCF 12*, Barcelona.
- S. Rose. 3/2015. Phonological characteristics of ideophones in Moro. *ACAL 46*, University of Oregon.
- S. Rose. August 2015. Phonology of ideophones in African languages. *WOCAL 8*, Kyoto.
- S. Rose. 3/2016. Areal vowel harmony patterns in the Nuba Mountains and beyond. Keynote talk, *ACAL 47*, Berkeley.
- S. Rose. 5/2016. How phonology and typology are shaped: lessons from fieldwork. Keynote talk, *mfm 24*.
- S. Rose, R. Walker. 10/2015. Guttural semi-transparency. *AMP 2015*, Vancouver.
- S. Seyfarth, E. Buz, T. F. Jaeger. 3/2015. Talkers selectively enhance informative duration contrasts. *CUNY 28*, USC.
- S. Seyfarth, M. Garellek, R. Malouf, F. Ackerman. 10/2015. Acoustic differences in morphologically-distinct homophones. *AIMM 3*, Amherst.

Funding (2015 - present)

- E. Baković. 2015. *Towards a unified approach to phonological exceptions*. UCSD Academic Senate Grant (\$13K).
- M. Garellek. 2015-16. Hellman Fellowship (\$12,000).
- L. Hyman, S. Rose. 2016. University of California Humanities Research Institute Grant, *Areal Features and Linguistic Reconstruction in Africa Workshop*, UC Berkeley.
- A. McCollum. 2015-2017. *Yazgulyami syllable structure*. NSF DEL-1500802 (\$17,993).
- A. McCollum. 2015-17. Cota-Robles Fellowship.
- A. McCollum. 2015-20. Katzin Prize.
- S. Seyfarth. 2013-16. NSF Graduate Research Fellowship.

Alumni (2003 - 2016)

- Page Piccinini**, PhD 2016 (M. Garellek)
Engineer, Département d'Etudes Cognitives, École Normale Supérieure, Paris. Thesis: *Cross-language Activation and the Phonetics of Code-switching*
- Bethany Keffala**, PhD 2015 (J. Barlow, S. Rose)
Postdoc, Comm. Sci. & Dis., Columbia. Thesis: *Learning to Share: Interaction in Spanish-English bilinguals' acquisition of syllable structure and positional phonotactics*
- Lucien Carroll**, PhD 2015 (G. Caballero, E. Baković)
Data Quality Engineer, Expect Labs, San Francisco. Thesis: *Ixpantepec Nieves Mixtec Word Prosodic Phonology*
- Rebecca Colavin**, PhD 2013 (S. Rose, R. Levy)
Thesis: *Phonotactic probability in Amharic: a psycholinguistic and computational investigation*
- Bozena Pajak**, PhD 2012 (E. Baković, R. Levy)
Research Scientist, Duolingo, Pittsburgh. Thesis: *Inductive inference in non-native speech processing and learning*
- Cynthia Kilpatrick**, PhD 2009 (E. Baković)
Asst. Prof., Dept. of Linguistics & TESOL, University of Texas at Arlington. Thesis: *The Acquisition of Ungrammaticality: Learning a Subset in L2 Phonotactics*
- Nicoleta Bateman**, PhD 2007 (S. Rose)
Assoc. Prof., Liberal Studies Dept., CSU San Marcos. Thesis: *A Crosslinguistic Investigation of Palatalization*
- Alicia Muñoz Sánchez**, PhD 2003 (S. Rose)
Spanish Language Academic Coordinator, Linguistics Department, UC San Diego. Thesis: *The Effect of Phonological Status on the Acquisition of New Contrasts: Evidence from Spanish and Japanese L2 Learners of English*
- Linda Godson**, PhD 2003 (M. Polinsky, S. Rose)
Heritage Lg. Initiative Coord., Dept. of World Lgs. & Lits., Portland State. Thesis: *Phonetics of Language Attrition: vowel production and articulatory setting in the speech of Western Armenian heritage speakers*