

Phonology @ UC San Diego

Who we are and what we're up to, as of February 2012

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. I have conducted research on phonotactics (including long distance harmony and dissimilation), tone and metrical structure, prosodic morphology and duration. My recent work has also included collaboration involving phonetics and psycholinguistic research. I currently have two main projects: 1) description and analysis of the Kordofanian language, Moro, funded by an NSF grant. I have been working on tone, intonation, and consonant dissimilation, as well as syntax and morphology. 2) the phonetics of ejective fricatives in Tigrinya (with Ryan Shosted at UIUC), funded by a UCSD Academic Senate grant. I have also been assisting Rebecca Colavin with psycholinguistic experiments on Amharic phonotactics as part of her dissertation research. I have supervised students (my own advisees as well as others) on a variety of topics.

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. I've recently finished a monograph on disjunctive blocking interactions and a handbook chapter on opacity in phonological theory. A little less recently, I completed a co-authored paper with Bożena Pająk based on her work on the interaction of assimilation and epenthesis in Polish, that appeared in *Natural Language and Linguistic Theory*. I derive particular pleasure from 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-Aztecan 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) and Dan Michel in a project funded by a Hellman Fellowship 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.

Rebecca Sinclair Colavin, ABD

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

My research interests are primarily in the area of computational phonology. In general terms, I use evidence from speaker judgment tasks to test and improve a theoretically motivated statistical model (Hayes and Wilson, 2008) that informs us about the role of frequency in the acquisition and processing of phonotactics. Sharon Rose and Roger Levy are my coadvisors, with support from Eric Baković.

Alex del Giudice, ABD

(BA, University of Illinois, Urbana-Champaign)

My background in Sign Language Phonology, among many other interests, has led to my dissertation research on the evolutionary origins of phonology. Part of this research focuses on how words, which may have begun as holistic form-meaning pairs, could gain sub-lexical structure overtime as recurring sublexical pieces (phonemes, syllables, etc.) quickly overtake the lexicon. Furthermore, I'm exploring evidence from young sign languages which suggests that the adoption of phonological innovations across an entire language community can be dependent on the structure of the popu-

lation (i.e., how large the language community is, how many social-communicative links each speaker has to other speakers, etc.).

Bożena Pająk, ABD

(MA, Jagiellonian University, Poland; MA, UC San Diego)

My current research involves speech perception and language learning. I am interested in how knowledge from previously learned languages helps when learning new languages. My main hypothesis is that learning each additional language allows one to build abstract knowledge regarding ways in which languages differ, and that this abstract knowledge facilitates learning when languages differ in expected ways.

Lucien Carroll, ABD

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

My general interests are in computational and quantitative modeling, and I think variation and change in phonology provide crucial evidence in developing our understanding of grammar in general. I have written on inter-generational differences in the sandhi tones of Jinhua Wu Chinese, vowel lengthening and tone patterns in GiTonga, and a computational harmonic grammar model of phonological typology.

Bethany Keffala, 4th-year student

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

I am interested in phonological acquisition, phonotactic knowledge, the complexity theory of learning, and categorization and contrast within phonological systems. My recent work, with the collaboration of Jessica Barlow from SDSU, investigated complex clusters in child language (Spanish and English mono- and bilinguals). My other area of research is sentence processing and resumptive pronouns.

Hope Morgan, 4th-year student

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

I have written on phonological constraints on two-handed signs in Kenyan Sign Language. More broadly, I am interested in the phonological possibilities and constraints across sign languages and how these result in word-formation and interact with morphological features. Even more broadly, I am curious about the underlying universals of language, seen through the prism of the two different modalities.

Page Piccinini, 2nd-year student

(BA, MA, Northwestern University)

I am interested in phonetics and phonology and the role they play in bilingual speech production. 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.

Scott Seyfarth, 1st-year student

(BA, BM, Northwestern University)

I am interested in using quantitative methods to look for patterns that might provide insight into phonological change, as well as into language change in general. I am currently working on a project that involves an information-based approach to describing feature contrast and synchronic alternation, and also on a set of experiments that compares hypotheses about the effects of phonological context on vowel dispersion.

K. Michael Brooks, Honors undergraduate

My interests include heritage language loss and re-acquisition as well as acquisition/nonacquisition in autistics, particularly as these relate to phonology. My current research investigates the psychological reality of theorized phonological processes.

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We meet regularly throughout the academic year to discuss our research and interests as the **San Diego Phonology Interest Group**, or **SaD-PhIG**.
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Selected recent and upcoming work and such

Publications

- E. Baković** (in press). *Blocking and Complementarity in Phonological Theory*. Equinox.
- E. Baković** (2011). Opacity and ordering. *The Handbook of Phonological Theory* (2nd ed.), Wiley-Blackwell, pp. 40-67.
- G. Caballero**, S. Inkelas (to appear). Word construction: tracing an optimal path through the lexicon. Special issue of *Morphology*.
- G. Caballero**, A. C. Harris (to appear). A working typology of Multiple Exponence. *Sel. Proc. 14th International Morphology Meeting*, Benjamins.
- G. Caballero** (to appear). 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*, 749-790.
- G. Caballero** (2011). Behind the Mexican Mountains: Recent Developments and New Directions in Research on Uto-Aztecan Languages. *Language and Linguistics Compass 5*, 485-504.
- G. Caballero** (2010). Scope, phonology and morphology in an agglutinating language: Choguita Rarámuri (Tarahumara) variable suffix ordering. *Morphology 20*, 165-204.
- R. Colavin, R. Levy, S. Rose** (to appear). Modeling OCP-Place in Amharic with the Maximum Entropy Phonotactic Learner. *CLS 46*.
- H. Morgan, R. Mayberry** (in press). Complexity in two-handed signs: evidence for sub-lexical structure in a young sign language. *Sign Lg. and Linguistics 15* (2).
- B. Paják** (to appear). Non-intervocalic geminates: typology, acoustics, perceptibility. *SD Linguistics Papers*.
- B. Paják** (2010). Perceptual advantage from generalized linguistic knowledge. *CogSci 32*, 369-374.
- B. Paják, R. Levy** (to appear). Distributional learning of L2 phonological categories by listeners with different language backgrounds. *BUCLD 36*.
- B. Paják, R. Levy** (to appear). How abstract are phonological representations? Evidence from distributional perceptual learning. *CLS 47*.
- B. Paják, R. Levy** (2011). Phonological generalization from distributional evidence. *CogSci 33*, 2673-2678.
- B. Paják, E. Baković** (2010). Assimilation, antigemination, and contingent optionality: the phonology of monoconsonantal proclitics in Polish. *NLLT 28*, 643-680.
- A. Strabone, S. Rose (to appear). Morphophonological properties of Moro causatives. *Sel. Proc. ACAL 41*.
- S. Rose** (2011). Long distance assimilation of consonants. *The Blackwell Companion to Phonology*, Wiley-Blackwell.
- S. Rose**, R. Walker (2011). Harmony Systems. *The Handbook of Phonological Theory* (2nd ed.), Wiley-Blackwell, pp. 240-290.
- R. Shosted, S. Rose (2011). Affricating ejective fricatives: the case of Tigrinya. *JIPA 41*, 41-65.
- P. Jenks and S. Rose (2011). High tone in Moro: effects of prosodic categories and morphological domains. *NLLT 29*, 211-250.
- G. Caballero**. 2/12. 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. 7/12. 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**. 1/12. The prosody of interrogative and focus constructions in Choguita Rarámuri. *SSILA Annual Meeting*, Portland.
- G. Caballero**. 10/11. La fonología y morfología de los dominios morfológicos del rarámuri de Choguita. *Conference on Indigenous Languages of Latin America V*, University of Texas, Austin.
- G. Caballero**. 7/11. Morphology and phonology in Choguita Rarámuri morphological domains. *Challenges of Complex Morphology to Morphological Theory Workshop* (co-organizer). LSA 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.
- G. Caballero**, A. C. Harris. May 2010. A Working Typology of Multiple Exponence: Cross-linguistics Variation and Theoretical Implications. *14th International Morphology Meeting*, Budapest.
- G. Caballero**. Jan. 2010. Non-optimizing outward conditioning in Tarahumara allomorph selection. *LSA 84*, Baltimore.
- G. Caballero**. Jan. 2010. Tone in Choguita Rarámuri (Tarahumara) word prosody. *SSILA Annual Meeting*, Baltimore.
- L. Carroll**. Feb. 2010. A contour tone chain shift in Jinhua Wu sandhi tones. Workshop on East Asian Linguistics, Santa Barbara.
- R. Colavin, R. Levy, S. Rose**. Jan. 2012. Underrepresentation and word-acceptability in Amharic: Evidence from a judgment task. *LSA 86*, Portland.
- R. Colavin, R. Levy, S. Rose**. Apr. 2010. Modeling OCP-Place with the Maximum Entropy Phonotactic Learner. *CLS 46*.
- R. Colavin, R. Levy, S. Rose**. Feb. 2010. Modeling OCP-Place with the Maximum Entropy Phonotactic Learner. *Workshop on Computational Modeling of Sound Pattern Acquisition*, Edmonton, AB.
- A. del Giudice**. Oct. 2010. Toward an artificial sign language: Foundational experiments in the evolution of sign languages. *TISLR 10*, Purdue.
- A. del Giudice**. Apr. 2010. Recreating duality of patterning in the laboratory. *Evolang 8*, Utrecht.
- R. Mayberry**, M. Hatrak, **H. Morgan**. Nov. 2011. Age of acquisition affects the learning of phonological structure in ASL. *BUCLD 36*, Boston.
- H. Morgan**, **R. Mayberry**. Oct. 2010. The handshape parameter in Kenyan Sign Language. *TISLR 10*, Purdue.
- B. Paják**, S. Creel, **R. Levy**. Jan. 2011. Adults take advantage of fine phonetic detail when learning words in a novel language. *LSA 86*, Portland.
- B. Paják, R. Levy**. Nov. 2011. Distributional learning of L2 phonological categories by listeners with different language backgrounds. *BUCLD 36*, Boston.
- B. Paják, R. Levy**. Jul. 2011. Phonological generalization from distributional evidence. *CogSci 33*, Boston.
- B. Paják, R. Levy**. Apr. 2011. How abstract are phonological representations? Evidence from distributional perceptual learning. *CLS 47*.
- B. Paják**. Nov. 2010. Bilinguals generalize from known phonological contrasts in perception of a novel language. *Psychonomics 51*, St. Louis.
- B. Paják**. Aug. 2010. Perceptual advantage from generalized linguistic knowledge. *CogSci 32*, Portland.
- B. Paják**. Jan. 2010. L2 knowledge facilitates perception of L3. *LSA 84*, Baltimore.
- 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.
- Y. Chung, S. Rose**. Mar. 2012. Duration and pitch in Moro polar questions. *ACAL 43*, New Orleans.
- 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.
- S. Rose**. May 2010. Insights from Kordofanian on African language structures. Invited keynote speaker, *ACAL 41*, Toronto.
- A. Strabone, S. Rose**. May 2010. Morpho-phonological properties of causatives in Moro. *ACAL 41*, Toronto.
- S. Rose**. Jan. 2010. Moro Object Marking and Affix Order. *Colloq.*, UC Santa Cruz.

Funding

- F. Ackerman, S. Rose**. 2008-2012. *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. Hellman Fellowship, UC San Diego (\$6,000).
- R. Colavin, A. del Giudice**. 2009-2010 / **B. Paják**. 2010-2012. UC San Diego Center for Research on Language NIH Predoctoral Training Fellowships.
- H. Morgan**. 2010-2011. UC San Diego Center for Academic Research and Training in Anthropogeny (CARTA) Fellowship.
- H. Morgan**. 2008-2010. UC San Diego Eugene Cota-Robles Fellowship.

Recent Alumni

- Cynthia Kilpatrick**, PhD 2009 (Advisor: Baković) Assistant Professor, Department of Linguistics and TESOL, University of Texas, Arlington. Dissertation title: *The Acquisition of Ungrammaticality: Learning a Subset in L2 Phonotactics*.
- Nicoleta Bateman**, PhD 2007 (Advisor: Rose) Assistant Professor, Liberal Studies, CSU San Marcos. Dissertation title: *A Crosslinguistic Investigation of Palatalization*.
- Alicia Muñoz Sánchez**, PhD 2003 (Advisor: Rose) Spanish Language Academic Coordinator, Linguistics Department, UC San Diego. Dissertation title: *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 title: *Phonetics of Language Attrition: vowel production and articulatory setting in the speech of Western Armenian heritage speakers*.
- E. Baković**. 4/11. Breaking down rule interactions. Invited speaker, *RULing 6*, Rutgers.
- E. Baković**. 4/11. Proper inclusion v. overlap: the domain of conflict resolution. Colloquium, UCLA.
- G. Caballero**. 3/12. Invited keynote speaker, *Workshop on Structure and Constituency in the Languages of the Americas 17*, University of Chicago.
- G. Caballero**. 3/12. Colloquium, UC Santa Cruz.