

**Stéphanie Riès-Cornou, PhD.**

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*School of Speech, Language, and Hearing Sciences*  
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**EDUCATION**

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December 2010 Ph.D.	Aix-Marseille University (France) Cognitive Neuroscience
July 2007 Masters (year 2)	Aix-Marseille University (France) Cognitive Neuroscience
July 2005 Masters (year 1)	University of Rennes 1 (France) Cellular Biology and Animal Physiology
Completion Date: July 2004 B.S.	University of Rennes 1 (France) Biology

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**ACADEMIC POSITIONS**

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August 2016 – Present San Diego State University	Assistant Professor Speech, Language, and Hearing Sciences Center for Clinical and Cognitive Neuroscience
April 2017 – Present San Diego State University	Faculty Member Joint Doctoral program in Language and Communicative Disorders
January 2011 – August 2016 University of California, Berkeley	Post-doctorate researcher Psychology, Neuroscience
September 2007 – December 2010 Aix-Marseille University (France)	Teaching Assistant Neuroscience

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**PUBLICATIONS**

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\* indicates student collaborator

## **Refereed Journal Articles**

1. **Riès, S.**, Dhillon, R\*., Clarke, A., King-Stephens, D., Laxer, K. D., Weber, P. B., Kuperman, R. A., Auguste, K. I., Brunner, P., Schalk, G., Parvizi, J., Crone, N., Dronkers, N. F., and Knight, R. T. (2017). Spatiotemporal dynamics of word retrieval in speech production revealed by cortical high-frequency band activity. *Proceedings of the National Academy of Sciences*, 114 (23), E4530-E4538. Journal Ranking 2016: 4/64 in “Multidisciplinary”; Acceptance Rate: 14% in 2016; Impact Factor 2016: 9.661.
2. Anders, R., **Riès, S.** (co first authorship), van Maanen L., Alario, F.-X. (2017). Lesions to the Left Lateral Prefrontal Cortex Impair Decision Threshold Adjustment for Lexical Selection. *Cognitive Neuropsychology*. doi: 10.1080/02643294.2017.1282447. Impact Factor 2016: 1.84.
3. **Riès, S.**, Dronkers, N., and Knight, R.T. (2016). Choosing words: left hemisphere, right hemisphere, or both? Perspective on the lateralization of word retrieval. *Annals of the New York Academy of Sciences*, 1369, 111–131, doi: 10.1111/nyas.12993. Journal Ranking 2016: 8/64 (Multidisciplinary Sciences). Impact Factor: 4.706.
4. Madec, S., Le Goff, K., **Riès, S.**, Legou, T., Rousselet, G., Courrieu, P., Alario, F.-X., Grainger, J., and Rey, A. (2016). The time-course of visuo-phonological interactions in letter perception. *Cognitive, Affective, and Behavioral Neuroscience*, 16(3), 406-14. PMID: 26742753. Impact Factor: 3.263.
5. Piai, V., **Riès, S.**, & Swick, D. (2016). Lesions to lateral prefrontal cortex impair lexical interference control in word production. *Frontiers in Human Neuroscience*, 9:721. doi: 10.3389/fnhum.2015.00721. Impact Factor 2016: 3.209.
6. Riès, S. (2015). Serial versus parallel neurobiological processes in language production: Comment on Munding, Dubarry, and Alario, 2015. *Language, Cognition, and Neuroscience*, 31(4), 476-479. doi:10.1080/23273798.2015.1117644. Impact Factor 2016: 1.852.
7. Anders, R., **Riès, S.**, van Maanen L., Alario, F.-X. (2015). Evidence accumulation as a model for lexical selection. *Cognitive Psychology*, 82:57-73. doi: 10.1016/j.cogpsych.2015.07.002. Journal Rank: 3.380 (SCImago Journal Rank). Impact Factor 2016: 3.719.
8. **Riès, S.**, Karzmark, C\*., Navarrete, E., Dronkers, N., and Knight, R.T. (2015). Specifying the role of the left prefrontal cortex in word selection. *Brain and Language*, 149:135-47. doi: 10.1016/j.bandl.2015.07.007. Journal Rank: 2.035 (SCImago Journal Rank). Impact Factor 2016: 2.439.
9. **Riès, S.**, Fraser, D., McMahan, K.L., and de Zubicaray, G.I. (2015). Early and late electrophysiological effects of distractor frequency in picture naming: Reconciling input and output accounts. *Journal of Cognitive Neuroscience*, 10, 1936-47. PMID: 26042502. Journal

Rank: #2 (Cognitive Science); #14 (Psychology) (2016 Google Scholar Metrics), Impact factor 2016: 3.108.

10. Piai, V., **Riès, S.**, and Knight, R.T. (2015). The electrophysiology of language production: what could be improved. *Frontiers in Psychology*, 5:1560. doi: 10.3389/fpsyg.2014.01560. Journal ranking: 74th percentile of Journal Impact Factors (Multidisciplinary Psychology). Impact factor 2016: 2.323.
11. Van der Linden, L.\*, **Riès, S.**, Legou, T., Burle, B., Malfait, N. and Alario, A. (2014). A comparison of two procedures for verbal response time fractionation. *Frontiers in Psychology*, section Language Sciences, 5: 1213. doi: 10.3389/fpsyg.2014.01213. Journal ranking: 74th percentile of Journal Impact Factors (Multidisciplinary Psychology). Impact factor 2016: 2.323.
12. **Riès, S.**, Greenhouse I., Dronkers, N., Haaland, K., and Knight, R. T. (2014). Double dissociation of the roles of the left and right prefrontal cortices in anticipatory regulation of action. *Neuropsychologia*, 63C: 215-225. doi: 10.1016/j.neuropsychologia.2014.08.026. Journal Rank: 1.938 (SCImago Journal Rank). Impact Factor 2016: 3.197.
13. Llorens, A., Trebuchon, A., **Riès, S.**, Alario, F.-X., and Liegeois-Chauvel, C. (2014). How familiarization and repetition modulate the picture naming network. *Brain and Language*, 133: 47-58. doi: 10.1016/j.bandl.2014.03.010. Journal Rank: 2.035 (SCImago Journal Rank). Impact Factor 2016: 2.439.
14. **Riès, S.**, Xie, K.\*, Haaland, K., Dronkers, N., and Knight, R. T. (2013). Role of the lateral prefrontal cortex in speech monitoring. *Frontiers in Human Neuroscience*, 7:703. doi: 10.3389/fnhum.2013.00703. Journal ranking: 83rd percentile of Journal Impact Factors (Neuroscience). Impact Factor 2016: 3.209.
15. Kaltwasser, K.\*, **Riès, S.**, Sommer, W., Knight, R. T., Willems, R.M. (2013). Independence of valence and reward in emotional word processing: Electrophysiological evidence. *Frontiers in Psychology*, 4:168. doi: 10.3389/fpsyg.2013.00168. Journal ranking: 74th percentile of Journal Impact Factors (Multidisciplinary Psychology). Impact factor 2016: 2.323.
16. **Riès, S.**, Janssen, N., Burle, B., and Alario, F.-X. (2013). Response-locked brain dynamics of word production. *Plos One*, 8(3): e58197. doi:10.1371/journal.pone.0058197. Impact Factor 2016: 2.806
17. **Riès, S.**, Legou, T., Burle, B., Alario, A. and Malfait, N. (2012). Why does picture naming take longer than word reading? The contribution of articulatory processes. *Psychonomics Bulletin and Review*, DOI 10.3758/s13423-012-0287-x. doi: 10.3758/s13423-014-0668-4. Impact Factor 2016: 2.921.

18. **Riès, S.**, Janssen, N., Dufau, S., Alario, F.-X., Burle, B. (2011). General purpose monitoring during speech production. *Journal of Cognitive Neuroscience*, 23, 6, 1419-1436. Journal Rank: #2 (Cognitive Science); #14 (Psychology) (2016 Google Scholar Metrics), Impact factor 2016: 3.108.
19. De Vos, M., **Riès, S.**, Vanderperren, K., Vanrumste, B., Alario, F.-X., Van Huffel, S., and Burle, B. (2010). Removal of muscle artifacts from EEG recordings of spoken language production. *Neuroinformatics*, 8, 135-150. Journal Rank: 1.304 (SCImago Journal Rank). Impact factor: 3.200

### **Revise/Resubmit**

1. **Ries S.K.**, Piai V., Perry D., Griffin S., Jordan, K., Henry, R., Knight R.T., Berger M. (resubmitted after revision). Roles of ventral versus dorsal pathways in language production: an awake language mapping study. Submitted on 01/24/2018 to *Brain and Language*, Revise/resubmit response received on 6/22/2018, Resubmitted on 8/3/2018, Final decision pending. Journal Rank: 2.035 (SCImago Journal Rank). Impact Factor 2016: 2.439.

### **In preparation**

1. **Riès, S.**, Parker, K., Dronkers, N., and Turken, A. (in preparation). White matter pathways critical for language are also critical for resolving proactive interference in working memory.
2. Mendoza, M.\*, Blumenfeld, H., Knight, R.T., and **Ries, S.K.** (in preparation). Investigating the link between linguistic and non-linguistic cognitive control in bilinguals.

### **Book Chapters**

1. **Riès, S.**, Alario, F.-X., and Burle, B. (2009). Electro- et Magnéto-encéphalographie de la parole [Electro- and Magneto-encephalography of speech]. In Marchal, A. and Cavé, C. (Eds.), *Imagerie médicale pour l'étude de la parole [Medical Imaging for the Study of Speech]*. Paris: Hermès Sciences Editions.
2. Ayora, P. and **Riès, S.** (2011). Comment fait-on pour aligner les mots et les faire rimer? [How do we align words and make them rhyme?]. In Alario A., *Toutes les questions que vous vous posez sur votre cerveau [All the questions you ask yourself about your brain]*. Paris: Odile Jacob Editions.

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## **PRESENTATIONS**

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\* indicates student collaborator

### **Invited Talks** (selected)

1. **Ries, S.** (2018) What can we learn about word retrieval in speech production from intracranial electroencephalography? Talk given at the “Progress in Decoding Speech Processes Using Intracranial Signals” workshop at the Brain-Computer Interface meeting, May 21-25 2018, Pacific Grove, California.
2. **Ries, S.** (2017) Dynamics of language production as revealed by electrophysiology. Talk given at the UC Santa Barbara – UC Merced Dynamics of Language Workshop.
3. **Ries, S.** (2015) A dynamic cortical network supporting word selection in language production. Talk given at Aix-Marseille University, France, September 11<sup>th</sup> 2015.
4. **Ries, S.** (2015) A dynamic cortical network supporting word selection in language production. Talk given at Grenoble University, France, September 10<sup>th</sup> 2015.
5. **Ries, S.** (2015) Spatio-temporal dynamics of word retrieval in speech production: Insights from electrocorticography. Talk given at Rice University, Houston, Texas, June 1<sup>st</sup> 2015.
6. **Ries, S.** (2014) Untangling frontal control mechanisms in language production: Insights from neuropsychological and electrophysiological studies. Talk given on Sep 5<sup>th</sup> 2014, Bangor University, United Kingdom.
7. **Ries, S.,** Legou, T., Malfait, N., Burle, B., and Alario, F.-X. (2010) Why is Naming Longer than Reading? Contribution of Articulatory Processes. [Pourquoi dénommer des dessins prend plus de temps que de lire des mots? Contribution des processus articulatoires.] Invited presentation at the 52nd Congress of the French Society for Psychology, Lille, France. 09/7-9/2010.

### **Refereed Proceedings**

1. **Ries S.,** Piai V., Perry D., Griffin S., Jordan, K., Knight R., Berger M. (2017). Dissociating the roles of ventral versus dorsal pathways in language production: an awake language mapping study. Abstract published in *Frontiers in Human Neuroscience*. Conference Abstract: Academy of Aphasia 55th Annual Meeting, Baltimore, MD, November 5-7 2017. doi: 10.3389/conf.fnhum.2017.223.00076
2. **Ries, S.,** Dhillon, R.\*, Clarke, A., King-Stephens, D., Laxer, K. D., Weber, P. B., Kuperman, R. A., Augustine, K. I., Brunner, P., Schalk, G., Lin, J., Parvizi, J., Crone, N., Dronkers, N. F., and Knight, R. T. (2015). Spatio-temporal dynamics of the lexical selection network in speech production: Insights from electrocorticography. Talk given at the annual meeting of the Academy of Aphasia, October 18-20, Tucson, Arizona. Abstract published in *Frontiers in Psychology*, doi: 10.3389/conf.fpsyg.2015.65.00039

3. **Riès, S.**, Schendel, K., Dronkers, N. F., Turken, A. U. (2014). White matter pathways critical for language are also critical for resolving proactive interference in working memory. Poster presented at the annual meeting of the Academy of Aphasia, Miami, Florida, USA, 10/5-7/2014. Abstract published in *Frontiers in Psychology*, doi: 10.3389/conf.fpsyg.2014.64.00088
4. **Ries, S.**, Fischer-Baum, S. (2013) Cross-domain approaches to the language puzzle. 51st Annual Meeting of the Academy of Aphasia, Lucerne, Switzerland, 10/20-22/2013. *Procedia - Social and Behavioral Sciences*, 94, 211.
5. **Ries, S.** (2013) Brain dynamics of cognitive control processes in language production: Insights from electrophysiological and neuropsychological studies. 51st Annual Meeting of the Academy of Aphasia, Lucerne, Switzerland, 10/20-22/2013. *Procedia - Social and Behavioral Sciences*, 94, 212-213.
6. **Riès, S.**, Dronkers, N.F., Knight, R.T. (2012) Left Fronto-Posterior interactions underlie lexical selection in speech production: Neuropsychological and EEG evidence. 50th Annual Meeting of the Academy of Aphasia, San Francisco, California, 10/28-30/2012. *Procedia - Social and Behavioral Sciences*, 61, 47-49.
7. Burle, B., Roger, R., **Ries, S.**, Alario, F.-X., Vidal, F., Hasbroucq, T. (2009) Beyond errors! Converging evidence for a general performance monitoring system. 49th Annual Meeting of the Society-for-Psychophysiological-Research, Berlin, Germany, 10/21-24/2009. Abstract published in *Psychophysiology*, 46, S16-S16.
8. **Riès, S.**, Janssen, N., Dufau, S., Alario, F.-X., Burle, B. (2009) Characterization of electroencephalographic (EEG) components elicited by overt speech production in the picture naming task: a Laplacian ERP study. 49th Annual Meeting of the Society-for-Psychophysiological-Research, Berlin, Germany, 10/21-24/2009. Abstract published in *Psychophysiology*, 46, S30-S30.

### Non-refereed Proceedings

1. **Ries, S.**, Nadalet, L.\*, Mickelsen, S.\*, Mott, M.\*, Midgley, K.J., Holcomb, P.J., Emmorey, K. (2018). Language output monitoring in sign production: an electroencephalographic study. Annual meeting of the Neurobiology of Language, August 16-18 2018, Quebec City, Canada.
2. Pinet, S., Nozari, N., Knight, R.T., **Ries, S.** (2018). Overcoming the challenges of electrophysiology recordings during multi-word speech production. Annual meeting of the Neurobiology of Language, August 16-18 2018, Quebec City, Canada.
3. Mickelsen, S.\*, Nadalet, L.\*, Mott, M.\*, Midgley, K.J., Holcomb, P.J., Emmorey, K., **Ries, S.** (2018). Language output monitoring in sign production: an

electroencephalographic study. Annual meeting of the Cognitive Neuroscience Society, March 24-27 2018. Boston, MA, USA.

4. **Ries, S.**, Cavalea, A.\*, Tengberg, C.\*, Haaland, K.Y., Knight, R.T., Dronkers, N.F. (2018). Left temporal lesions and inner speech monitoring in language production: an electroencephalography and neuropsychological study. Annual meeting of the Cognitive Neuroscience Society, March 24-27 2018. Boston, MA, USA.
5. **Ries S.**, Piai V., Perry D., Griffin S., Jordan, K., Knight R., Berger M. (2017). Dissociating the roles of ventral versus dorsal pathways in language production: an awake language mapping study. Annual meetings of the Academy of Aphasia and of the Society for the Neurobiology of Language, November 5-11 2017, Baltimore, USA.
6. **Ries, S.**, Mendoza, M.\*, Knight, R. T. (2017). Investigating the link between linguistic and non-linguistic cognitive control in bilinguals. International Conference for Cognitive Neuroscience, August 5-8 2017, Amsterdam, The Netherlands.
7. Mendoza, M.\*, **Ries, S.** (2017). Investigating the link between linguistic and non-linguistic cognitive control in bilinguals. International Symposium on Bilingualism, June 11-15 2017, Limrick, Ireland.
8. **Riès, S.\***, Anders, R.\*, van Maanen L., Alario, F.-X. (2016). Lesions to the Left Lateral Prefrontal Cortex Impair Decision Threshold Adjustment for Lexical Selection. 9th international workshop on language production, San Diego, 07/25-27/2016. \* co-first authorship
9. **Ries, S.**, King-Stephens, D., Laxer, K. D., Weber, P. B., Kuperman, R. A., Auguste, K. I., Brunner, P., Schalk, G., Parvizi, J., Crone, N., Dronkers, N. F., and Knight, R. T. (2015). Distinct temporal and prefrontal contributions to word retrieval in picture naming? Poster presented at the annual meeting of the Society for the Neurobiology of Language, Chicago, Illinois, USA, 10/15-17/2015.
10. **Ries, S.**, Dhillon, R.\*, Clarke, A., King-Stephens, D., Laxer, K. D., Weber, P. B., Kuperman, R. A., Auguste, K. I., Brunner, P., Schalk, G., Lin, J., Parvizi, J., Crone, N., Dronkers, N. F., and Knight, R. T. (2015). Spatio-temporal dynamics of the lexical selection network in speech production: Insights from electrocorticography. Talk given at the European Society for Cognitive Psychology, September 17-20, Paphos, Cyprus.
11. **Ries, S.**, Dhillon, R.\*, Clarke, A., King-Stephens, D., Laxer, K. D., Weber, P. B., Kuperman, R. A., Auguste, K. I., Brunner, P., Schalk, G., Parvizi, J., Crone, N., Dronkers, N. F., and Knight, R. T. (2015). Spatio-temporal dynamics of the lexical selection network in speech production: Insights from electrocorticography. Poster and talk (in data blitz session) presented at the Cognitive Neuroscience Society, March 28-31 2015, San Francisco.

12. **Riès, S.**, Dhillon, R.\*, King-Stephens, D., Laxer, K.D., Weber, P.B., Kuperman, R.A., Auguste, K.I., Parvizi, J., Dronkers, N.F., and Knight, R.T. (2014). Spatio-temporal dynamics of the lexical selection network in speech production: Insights from electrocorticography. Poster presented at the annual meeting of the Society for the Neurobiology of Language in Amsterdam, the Netherlands, 08/27-29/2014.
13. **Riès, S.**, de Zubicaray, G.I., Fraser, D., and McMahon, K.L. (2014). An electrophysiological investigation of the distractor frequency effect in picture-word interference. Poster presented at the annual meeting of the Society for the Neurobiology of Language in Amsterdam, the Netherlands, 08/27-29/2014.
14. **Riès, S.**, Greenhouse I., Dronkers, N., Haaland, K. and Knight, R. T. (2014). Double dissociation of the roles of the left and right prefrontal cortices in anticipatory regulation of action. Poster presented at the International Cognitive Neuroscience Conference (ICON) in Brisbane, Australia, 07/27-31/2014.
15. **Riès, S.**, Xie, K.\*, Haaland, K., Dronkers, N. and Knight, R. T. (2013). Distinct networks are involved in speech versus non-speech monitoring. Poster presented at the annual meeting of the Society for the Neuroscience, San Diego, California, 11/9-13/2013. Presentation 848.05/BBB8.
16. **Riès, S.**, Xie, K.\*, Haaland, K., Dronkers, N. and Knight, R. T. (2013). Distinct networks involved in speech versus non-speech monitoring. Poster presented at the annual meeting of the Society for the Neurobiology of Language, San Diego, California, 11/6-8/2013.
17. **Riès, S.**, Dronkers, N.F., Knight, R.T. (2012) Left Fronto-Posterior interactions underlie lexical selection in speech production: Neuropsychological and EEG evidence. Annual Meeting of the Society for Neuroscience, New Orleans, Louisiana, 10/13-17/2012. Presentation 595.12.
18. Llorens, A., Trebuchon, A., **Riès, S.**, Alario, F.-X., Liegeois-Chauvel, C. (2012) Spatiotemporal dynamics of picture naming: Elusive semantic effects but clear protocol modulations. 7th international workshop on language production, New York City, 07/18-20/2012.
19. Kaltwasser, L.\*, **Riès, S.**, Sommer, W., Knight, R. & Willems, R. (2012) Independence of valence and reward in emotional word processing. 1st Conference of the European Society for Cognitive and Affective Neuroscience, Marseille, France, 05/09-12/2012.
20. **Riès, S.**, Janssen, N., Alario, F.-X. and Burle, B. (2012) About to speak...: Spatio-temporal brain dynamics of word production. 1st Conference of the European Society for Cognitive and Affective Neuroscience, Marseille, France, 05/09-12/2012.
21. Llorens, A., Trebuchon, A., **Riès, S.**, Alario, F.-X., Liegeois-Chauvel, C. (2011) Spatiotemporal dynamics of picture naming: Elusive semantic effects but clear task



modulations during word production. 3rd annual neurobiology of language conference, Annapolis, 11/10-11/2011.

22. **Riès, S.**, Burle, B., and Alario, F.-X. (2011) Electrophysiology of speaking: Spatio-temporal dynamics of word selection. Cognitive Neuroscience Society Annual Meeting, San Francisco, 04/2-5/2011.
23. **Riès, S.**, Burle, B., and Alario, F.-X. (2010) Electrophysiology of speaking: Exploring the spatio-temporal dynamics of word selection. 2nd annual neurobiology of language conference, San Diego, 11/11-12/2010.
24. **Riès, S.**, Burle, B., and Alario, F.-X. (2010) Spatio-temporal dynamics of contextual semantic interference in picture naming. 6th International workshop in language production, Edinburgh, 09/2-4/2010.
25. **Riès, S.**, Janssen, N., Dufau, S., Alario, F.-X. and Burle, B. (2009) An electroencephalographic study of speech monitoring. Talk given at the European Society for Cognitive Psychology Conference (ESCoP) 2009. Krakow, Poland. 09/2-5/2009.
26. **Riès, S.**, Janssen, N., Dufau, S., Alario, F.-X. and Burle, B. (2009) Speech monitoring vs. monitoring of speech: Electroencephalographic evidence for an aspecific monitoring process. Association for Psychological Science (APS) annual convention. San Francisco, USA. May, 22-25, 2009.
27. **Riès, S.**, Janssen, N., Dufau, S., Alario, F.-X. and Burle, B. (2008) Characterization of electroencephalographic (EEG) components elicited by overt speech production in the picture naming task. 5th International Workshop on Language Production. Annapolis, Maryland, USA. July, 28-30, 2008.

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## **AWARDS**

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### **Scholarly Awards**

1. Fellow of the American Speech-Language-Hearing Sciences Lessons for Success program in April 2018.
2. Fellow of the GREW (Grants and Research Enterprise Writing) Fellowship at SDSU in June 2017.
3. Master's degree merit award: Scholarship provided by the Region P.A.C.A. (Provence Alpes Côtés d'Azur). Sep. 2006 to June 2007.

4. Scholarship awarded by the Cognitive Science Society and European Cognitive Science society to attend to the 16th International Summer School in Cognitive Sciences, Sofia, Bulgaria. July 6-23/2009.

### **Funded Research Grants**

1. New Century Scholars Research Grant awarded in Fall 2018 by the American Speech-Language-Hearing Foundation. Ries, S. (PI). Word retrieval in Spanish-English bilinguals after stroke. Award period: January 2019- December 2020. Total direct costs: \$25,000.
2. Center for Clinical and Cognitive Neuroscience award from the Collaborative Pilot Grant Program in collaboration with Dr. Karen Emmorey. Project title: Neurophysiological correlates of language monitoring in spoken versus sign-language production. Award period: August 2017 to June 2018. Amount: \$8,500.00
3. SDSU Summer Undergraduate Research Program award. Project title: Brain pathways supporting speech monitoring in stroke-induced aphasia: a project using diffusion-weighted magnetic resonance imaging (MRI). Award period: May to August 2018. Amount: \$3,000.00
4. SDSU Summer Undergraduate Research Program award. Project title: Brain mechanism underlying error awareness in stroke-induced aphasia. Award period: May to August 2017. Amount: \$3,000.00
5. SDSU University Grants Program (UGP) award. Project title: Brain dynamics of compensatory mechanisms for word retrieval after left prefrontal damage. Grant period: 2/2017 to 6/2018. Amount: \$10,000.00
6. Grant from the France-Berkeley Fund to support a starting collaboration between the Knight Cognitive Neuroscience Laboratory and the Speech in Noise team of the Laboratory on Language, Brain and Cognition (L2C2) in Lyon, France. Amount: \$9,000.00

### **Funded Training Grants**

1. Ruth L. Kirschstein National Research Service Award (NRSA) from the National Institute on Deafness and Other Communication Disorders of the National Institutes of Health under Award Number F32DC013245. Project title: Brain dynamics of lexical selection in speech production. Grant period: 07/01/2013 until 08/18/2016. Total direct costs: \$165,246.00
2. Post-doctoral grant from the Fyssen foundation: Spatio-temporal brain dynamics of lexical selection in speech production. Grant period: 01/23/2011 until 01/24/2013. Total direct costs: \$50,000.

3. Ph.D grant from the French Ministry of Research (MENRT). Doctoral dissertation research: Brain Dynamics of Cognitive Control in Speech Production: a focus on lexical selection and monitoring. Grant period: 09/01/2007 until 09/30/2010. Total costs: \$72,000.

**Grants under review:**

1. Early career research award grant to the NIDCD (in revision). Ries, S. (PI). Brain dynamics of compensatory mechanisms for word retrieval in speech production after left hemisphere stroke. Total direct and indirect costs: \$451,500.00
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**SERVICE**

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**Service for the Department**

- 2017-present: Organization of the Rising Stars Lecture Series for SLHS
- 2016-present: SLHS Special Events Committee
- 2016-present: SLHS Social Media/Outreach Liaison
- 2017-2018: SLHS Research Gatherings Initiator and Organizer

**Service for the University**

- March 2017: Judge for the SDSU Student Research Symposium

**Service for the Community:**

- June 2018: Organization of the 1<sup>st</sup> San Diego intracranial EEG workshop at UCSD Medical center.

**Service to the Profession:**

**Ad-hoc reviewer:**

- 2011- Present: Scientific reviewer for:
- Journal of Neuroscience
  - Cognition
  - NeuroImage
  - Cerebral Cortex
  - Neuropsychologia
  - Brain and Language
  - Plos One
  - Quarterly Journal of Experimental Psychology
  - Journal of Memory and Language

- Journal of Neurolinguistics
- Frontiers in Psychology
- The Journal of the Acoustical Society of America
- Psychologie Française

### **Participation in Professional Associations**

1. Member of the Academy of Aphasia (2014-Present)
2. Member of the Society for the Neurobiology of Language (2010-Present)
3. Member of the Society for the Neuroscience (2012, 2014, 2016, 2018)
4. Member of the European Society for Cognitive Psychology (2009, 2015)

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### **STUDENT SUPERVISION**

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#### **Student supervision and co-supervision:**

Jan 2018-present: Alyssa Zidek– Undergraduate student Speech, Language, and Hearing Sciences. Project title: Brain pathways supporting speech monitoring in stroke-induced aphasia: a project using diffusion-weighted magnetic resonance imaging (MRI). Beneficiary of Summer Undergraduate Research Program award in Summer 2018.

2017-present: Rohan Rohilla (co-supervision) -Masters student in Electrical Engineering. Masters thesis title: Using graph signal processing to study functional connectivity supporting word retrieval in speech production.

Linda Nadalet – Undergraduate then MA student Speech, Language, and Hearing Sciences. Project title: Language output monitoring in American Sign Language, an Electroencephalography study. Presented poster at SRS 2018.

Veronica Kneram and Madeline Furdek - Undergraduate students Speech, Language, and Hearing Sciences. Project title: Testing syllable discrimination as a proxy for lexical access in speech production.

2016-present: Chase Tengberg – Undergraduate Speech, Language, and Hearing Sciences. Project title: Brain mechanism underlying error awareness in stroke-induced aphasia. Beneficiary of Summer Undergraduate Research Program award in Summer 2017. Presented poster at SRS 2018.

2016-2018: Kimaya Desai - Computer Science MS student. Project title: Development of an IOS application for aphasia treatment (i.e., IRMA, Interference Resolution Mechanisms for Aphasia) presented at SRS 2018, Automatic lesion reconstructions, database management, and lab website development.

Alexa Cavaela – Undergraduate Speech, Language, and Hearing Sciences. Project title: Brain mechanism underlying error awareness in stroke-induced aphasia.

2016-2017: Charlene Parle – First year Speech Language Pathology MA student. Project title: Brain dynamics of compensatory mechanisms for word retrieval after left prefrontal damage.

2016-2017: Kayla Piorkowski – Second year Speech Language Pathology MA student. Brain dynamics of compensatory mechanisms for word retrieval after left prefrontal damage.

2014-2016: Martha Mendoza – Senior Cognitive Science Undergraduate Student (McNair fellow). Project: Investigating the link between linguistic and non-linguistic cognitive control in bilinguals.

2013-2014: Rummit K. Dhillon – Senior Cognitive Science Undergraduate Student. Honor's thesis project: High Gamma Power and Electroencephalography: A Window into the Spatio-temporal Mechanisms of the Lexical Selection Network.

Christopher Karzmark – Senior Psychology Undergraduate Student. Honor's thesis project: Brain Networks of Lexical Selection and Memory Retrieval.

2011-2012: Kira Xie – Senior Cognitive Science Undergraduate Student. Honor's thesis project: Performance monitoring across cognitive domains in patients with lateral prefrontal cortex damage.

Laura Kaltwasser (co-supervision) – Psychology MSc Student. Masters' thesis project: The Interplay of Emotion and Motivation in Word Recognition.

2008-2010: Anais Llorens (co-supervision) – Neuroscience MSc, then PhD Student. Thesis: Spatio-temporal dynamics of word production.