

# Luz Rello

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**Interests:** e-Health, Human-Computer Interaction, Machine Learning, Natural Language Processing, Linguistics, Emergent Technologies, Accessibility, Dyslexia, Mobile for Good.

## Current Activities

1. **Founder and CEO.** Change Dyslexia is a social company that gives a solution to a large-scale problem via research based online applications, offering at the same time a response to market needs. [www.changedyslexia.org](http://www.changedyslexia.org). Since December 2015.
2. **Systems Scientist.** Human-Computer Interaction Institute at Carnegie Mellon University, Pittsburgh, USA. USA top Computer Science Department <https://goo.gl/4Ay8yi>. Since May 2016.

## Education

1. **Ph.D. in Computer Science at the Department of Information and Communication Technologies. Universitat Pompeu Fabra.** June 2014.  
Grade: **Cum Laude.** (proposed for Summa Cum Laude, results in 10 years)  
Thesis title: *DysWebxia. A Text Accessibility Model for People with Dyslexia.*  
Advisors: Ricardo Baeza-Yates and Horacio Saggion  
Committee: Peter Gregor, Josep Blat and María Antonia Martí
2. **M.A. International Masters in Natural Language Processing and Human Language Technology. University of Wolverhampton and Univ. Autònoma of Barcelona.** 2010.  
Grade: 9.7/10. **First class with Distinction.**  
Thesis title: *Elliphant: A Machine Learning Method for Identifying Subject Ellipsis and Impersonal Constructions in Spanish.*  
Advisors: Ruslan Mitkov and Xavier Blanco.
3. **B.A. in Linguistics. Complutense University of Madrid.** 2008.  
Grade: 9.26/10. **First class with Distinction.**  
Thesis title: *CORAL: Construction of Objects Representational Applied to Language.*  
Advisor: Eduardo Basterrechea.  
Thesis title: *Spanish Color Terms: Semantic, Morphological and Lexicographic Analysis.*  
Advisor: Fernando Lázaro Mora.

## Honours and Awards

1. Finalist for the 2018 Cartier Women's Initiative Awards, 18 finalists among 2,900 applicants worldwide, 2018.
2. Forbes 30 Under 30 List by Forbes Spain Magazine, 2017.
3. Princess of Girona Award for Social Good. National Award to one individual per year, 2016.
4. New Researcher Award. International Dyslexia Association, 2016.
5. Ashoka Fellow, 2014.
6. MIT Technology Review Top 35 Innovators Under 35 Award, Spanish edition 2014.
7. Social Innovator of the Year by MIT Technology Review, Spanish edition 2014.
8. European Young Researchers' Award by the EuroScience non-profit foundation to one individual per year, 2013.
9. Third National Prize for Academic Excellence (first national record in B.A. Linguistics) awarded by the Spanish Ministry of Education, 2008.
  
10. Honourable Mention (research paper), MobileHCI 2017.
11. Change Dyslexia was a Semi-finalist of the European Social Innovation Competition by the European Commission, 2017
12. Social Entrepreneurship Grant by Obra Social "La Caixa", 2016.
13. Finalist at the International Competition de United Arab Emirates UAE AI and Robotics Award for Good (7th position among 664 entries worldwide) for the app Dydetective, 2016.
14. Solidarity Talent Award by Botín Foundation, first place teamed with Madrid for Dyslexia, 2015.
15. Best Demo Award for the app Dydetective in ACM ASSETS 2015 (top conference on computers and accessibility), 2015.
16. Best Research Paper runner up, W4A 2014.
17. Delegates Award of the The Paciello Group Web Accessibility Challenge, teamed with Cookie Cloud, 2013.
18. Best Research Paper Award, W4A 2013.
19. First prize of the Vodafone Foundation Mobile for Good Europe Awards (Education Category, 200 entries) for the application Dysegxia (Piruletras), teamed with Cookie Cloud, 2013.
20. Grant for Research Stays outside Catalonia (BE-DGR) by the Generalitat de Catalunya, 2012.
21. Finalist at the Vodafone Foundation Smart Accessibility Awards for the application IDEAL Group Reader teamed with Apps4Android, 2012.
22. Santander JPI Premium Scholar. Ibero-american Scholarship for Young Researchers, 2012.
23. Google Anita Borg Memorial Scholarship: Europe, Middle East and Africa, 2011.
24. Doctoral scholarship (FI-DGR) by the Generalitat de Catalunya, 2011 - 2014.

25. Second prize at IV MAVIR for Master Thesis on Language Technologies, by Corex, Daedalus, iSOCO and Foundation of the Universidad Europea de Madrid, 2010.
26. Best Master Student Award. International Masters in Natural Language Processing and Human Language Technology, 2008 - 2010.
27. “La Caixa” scholarship for Master Studies, 2008 - 2010.
28. Best B.S. Student Award. Universidad Complutense de Madrid B.S. Extraordinary Award, 2007.
29. Special Award Gesfor Group Information Technologies and Honorable Mention in the VI Arquímedes National Contest of Introduction to University Research, Spanish Ministry of Education and Science, 2007.
30. Collaboration Fellowship for Undergraduate Students, Universidad Complutense de Madrid, 2007 - 2008.
31. Academic Excellence Award, Community of Madrid, 2007 - 2008.

## Teaching Experience

I have taught in the following courses and subjects:

1. **Máster on Inclusive Assessment in Elementary and Primary Education.** Universidad Rey Juan Carlos. 2018-2019.
2. **Master on Inclusive Education.** Universidad Católica de Valencia. Fall 2018.
3. **Accessibility (S2015, F2016).** Carnegie Mellon University, School of Computer Science. Fall 2016.
4. **Usability, Design Interaction and User Experience Masters.** University Pompeu Fabra, School of Management, Spring 2015.
5. **Information Technologies.** University Pompeu Fabra, Computer Science, Spring 2014.
6. **Information Retrieval Applications.** University Pompeu Fabra, Computer Science, Spring 2014.
7. **Classical Latin.** Private and small groups. Virgen de Mirasierra School, Madrid (Spain) 2002 - 2004.

## Research and Professional Experience

1. Postdoctoral Researcher at the Human Computer Interaction Institute. Carnegie Mellon University, Pittsburgh, U.S. (2014-2016).
2. Research Leader of Cookie Cloud, a working team focused on serious games for children (2012-2015).
3. Visiting Researcher at IDEIAS Lab in Departamento de Informática da Pontifical Catholic University of Rio de Janeiro, Brazil (2013).
4. Ph.D Student at Web Research Group, Universitat Pompeu Fabra, Barcelona (2011-2014).
5. Master Student at the Research Group in Computational Linguistics, University of Wolverhampton, UK (2008-2010).
6. Part-time Linguistic Analyst at Startup Molino de Ideas, Madrid (2009-2010).
7. Linguist at Daedalus (Data, Decisions and Language), Madrid (2008).
8. Undergraduate Research Fellow in the Department of Linguistics, Romance and Slavic Philology, Universidad Complutense de Madrid (2007).

## Grants

1. Early Dyslexia Detection and Support at Scale to Help Students Succeed in School. National Science Foundation (NSF) (#IIS-1618784). June 2016-2018. \$500,000 Co-Principal Investigator with Jeffrey P. Bigham. Amount: US\$500,000.
2. Xarxa d'Atenció a la Dislèxia a l'Atención Primària de Salut a Catalunya (Dyslexia Care Network in the Primary Health Care Service in Catalonia). Institut Català de la Salut, Departament de Salut de la Generalitat de Catalunya. Fundació de Recerca IDIAP Jordi Gol, Diputació de Lleida. (Catalan Health Institute, Department of Health of the Generalitat de Catalunya. IDIAP Research Foundation Jordi Gol, Diputation of Lleida, Spain). Co-Principal Investigator with Dr. Jose Luis Cruz Cubells. October 2017. Amount: €22,000.
3. Estudio de Prevalencia de Dislexia en la Comunidad de Madrid (Study of Prevalence of Dyslexia in the Community of Madrid). Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid (Spain). Principal Investigator. October 2016. Amount: €18,000.
4. Change Dyslexia, seed-stage social entrepreneurship project. “Obra Social La Caixa”. Principal Investigator, May 2016. Amount: €25,000

## Publications

Co-author of two books in Spanish (one with two editions), two children's books, 7 indexed journal papers, 36 refereed conference papers, 3 book chapters, co-author of 46 other publications and one patent application. According to Google Scholar there are around 1,100 citations to my work, including self citations, with an h-index of 18. Publications co-authored with 71 researchers from 32 institutions.

### BOOKS

1. **Luz Rello**. *Superar la dislexia. Una experiencia personal a través de la investigación. (Overcoming dyslexia. A personal experience through research)*. Editorial Paidós. Grupo Planeta. ISBN 978-84-493-3496-2. (To appear on October the 2nd, 2018).  
<https://www.planetadelibros.com/libro-superar-la-dislexia/274290>
2. Álvarez Mellado, Elena; Ayuso de Santos, Daniel; Basterrechea, Eduardo; Borsari, Elisa; Calvo Tello, José; Gutiérrez, César; Ortega, Miguel; de Pablos López, Alejandro; Pérez Ramón, Rubén; **Rello, Luz**; and Ruiz, Aitor. 2012. *Aprende a conjugar el verbo en español (Learn how to conjugate Spanish Verbs)*. Madrid: Molino de Ideas. ISBN: 978-84-937706-1-7.

### OUTREACH BOOKS

1. **Luz Rello** *El misterio del antídoto azul. (The mystery of the blue antidote)*. Timun Mas Infantil. Editorial Planeta. (To appear on February 2019).
2. **Luz Rello** *El misterio del huevo. (The mystery of the egg)*. Timun Mas Infantil. Editorial Planeta. (To appear on February 2019).

### PATENT

1. **Luz Rello** and Miguel Ballesteros. 2017. *Data Processing System to Detect Neuro-developmental Specific Learning Disorders*, filed in the United States Patent and Trademark Office as application 15/493,060, 2017.

## INTERNATIONAL JOURNAL ARTICLES

1. **Luz Rello** and Ricardo Baeza-Yates. 2017. How to Present more Readable Text for People with Dyslexia. *Universal Access in the Information Society (UAIS)*. 16 (1), pp. 29-49. JCR Impact Factor: 1.176.
2. **Luz Rello** and Ricardo Baeza-Yates. 2016. The Effect of Font Type on Screen Readability by People with Dyslexia. *ACM Transactions on Accessible Computing (TACCESS)*. ACM New York, NY, USA. (No Impact Factor due to being a very new journal. It is the top journal in computers and accessibility.)
3. **Luz Rello**; Ricardo Baeza-Yates and Joaquim Llisterri. 2016. A Resource of Errors Written in Spanish by People with Dyslexia and its Linguistic, Phonetic and Visual Analysis. *Language Resources and Evaluation*. Springer, Netherlands. JCR Impact Factor: 0.656.
4. Horacio Saggion; Sanja Štajner, Stefan Bott, Simon Mille, **Luz Rello**, Biljana Drndarevic. 2015. Making it Simplext: Implementation and Evaluation of a Text Simplification System for Spanish. *ACM Transactions on Accessible Computing (TACCESS)* 6 (4), 14. (Factor due to being a very new journal. It is the top journal in computers and accessibility.) **Citations: 33.**
5. Horacio Saggion; Stefan Bott and **Luz Rello**. 2015. Simplifying Words in Context. Experiments with two Lexical Resources in Spanish. In *Computer Speech & Language*. Elsevier. JCR Impact Factor: 1.776.
6. **Luz Rello** and Ricardo Baeza-Yates. 2012. The Presence of English and Spanish Dyslexia in the Web. *New Review of Hypermedia and Multimedia*. 18(3) Taylor & Francis. pp. 131-158. JCR Impact Factor: 1.000. **Citations: 17.**
7. **Luz Rello** and Joaquim Llisterri. 2012. Prosodic Correlates of Pronoun Disambiguation in Spanish. *Estudios de Fonética Experimental*. XXI. pp. 195-214. SJR Score: 0,1

## REFEREED CONFERENCE PUBLICATIONS

In computer science and accessibility ASSETS is the top conference (h5-index: 23, h5-median: 36) followed by W4A (h5-index: 18, h5-median: 20). In Human-Computer Interaction the top conference is CHI (h5-index: 87, h5-median: 117) followed by MobileHCI (h5-index: 25, h5-median: 36) and Interact (h5-index: 21, h5-median: 31). E-Health is a new field, the most relevant conferences are Pervasive Health (h5-index: 6, h5-median: 9) and Digital Health (h5-index: 10, h5-median: 14). Regarding Natural Language Processing there are many conferences stand out NAACL HLT (h5-index: 56, h5-median: 99), Coling (h5-index: 31, h5-median: 52), LREC (h5-index: 37, h5-median: 53) and EACL (h5-index: 28, h5-median: 45). Source: Google Scholar. Number of citations included for the papers cited more that 10 times.

1. Maria Rauschenberger, **Luz Rello**; Ricardo Baeza-Yates and Jeffrey P. Bigham. 2018. Towards Language Independent Detection of Dyslexia with a Web-based Game. *W4A 2018: The 18th Conference on Web Accessibility*. Lyon, France, ACM, New York, NY, USA.
2. **Luz Rello**, Enrique Romero, Maria Rauschenberger, Abdullah Ali, Kristin Williams, Jeffrey P. Bigham, and Nancy Cushen White. 2018. Screening Dyslexia for English Using HCI Measures and Machine Learning. *DH'18: 2018 International Digital Health Conference*. Lyon, France, ACM, New York, NY, USA.
3. **Luz Rello** and Jeffrey P. Bigham. 2017. Good Background Colors for Readers: A Study of People with and without Dyslexia. *ASSETS 2017: The 19th International ACM SIGACCESS Conference of Computers and Accessibility*. Baltimore, Maryland USA, 30 October-1 November.
4. Martin Pielot and **Luz Rello**. 2017. Productive, Anxious, Lonely - 24 Hours Without Push Notifications. *MobileHCI 2017: 19th International Conference on Human-Computer Interaction with Mobile Devices and Services*. Vienna, Austria, September 4-7. **Honourable Mention. Citations: 14.**

5. **Luz Rello** and Ricardo Baeza-Yates. 2017. The Impact of Misspellings on Reading Comprehension for People with Dyslexia. *68th International Dyslexia Association (IDA) Annual Reading, Literacy, & Learning Conference*. Atlanta, USA, November 8-11.
6. **Luz Rello**, Miguel Ballesteros, Abdullah Ali, Kristin Williams, Miquel Serra, Jeffrey P. Bigham and Nancy Cushen White. 2016. Ongoing Research on a Multilingual Online Screener for Dyslexia Using Linguistic Exercises Based of Errors by Children with Dyslexia. *67th International Dyslexia Association (IDA) Annual Reading, Literacy, & Learning Conference*. Orlando, USA, October 26-29.
7. **Luz Rello**; Miguel Ballesteros; Abdullah Ali; Miquel Serra; Daniela Alarcón Sánchez, and Jeffrey P. Bigham. 2016. Dytective: Detecting Risk of Dyslexia with a Game. *Pervasive Health 2016: 10th EAI International Conference on Pervasive Computing Technologies for Healthcare*. Cancun, Mexico, May 16 -19. **Citations: 15.**
8. **Luz Rello**; Sergi Subirats and Jeffrey P. Bigham. 2016. An Online Chess Game Designed for People with Dyslexia. *W4A 2016: The 16th Conference on Web Accessibility*. Montreal, Canada, Abril 11-13.
9. Ricardo Baeza-Yates; **Luz Rello** and Julia Dembowski. 2016. CASSAurus: A Resource of Simpler Spanish Synonyms. *LREC 2016: 10th edition of the Language Resources and Evaluation Conference*. 23-28 May 2016, Portorož, Slovenia.
10. Rauschenberger, Maria; **Luz Rello**; Silke Fuechsel Jörg Thomaschewski. 2016. A Language Resource of German Errors Written by Children with Dyslexia. *LREC 2016: 10th edition of the Language Resources and Evaluation Conference*. 23-28 May 2016, Portorož, Slovenia.
11. **Luz Rello**, Martin Pielot and Mari-Carmen Marcos. 2016. Make It Big! The Effect of Font Size and Line Spacing on Online Readability *CHI'16: ACM SIGCHI Conference on Human Factors in Computing Systems*. San Jose, CA, May 7-12. **Citations: 10.**
12. **Luz Rello**; Miguel Ballesteros and Jeffrey P. Bigham. 2015. A Spellchecker for Dyslexia. *ASSETS 2015: The 17th International ACM SIGACCESS Conference of Computers and Accessibility*. Lisbon, Portugal, 26-28 October.
13. Maria Rauschenberger; Silke Fuechsel; **Luz Rello**; Clara Bayarri and Jörg Thomaschewski. Exercises for German-Speaking Children with Dyslexia. *INTERACT 2015: The 15th IFIP TC.13 International Conference on Human-Computer Interaction*. Bamberg, Germany, 14-18 September.
14. Ricardo Baeza-Yates; **Luz Rello** and Julia Dembowski. 2015. CASSA: A Context-Aware Synonym Simplification Algorithm. *NAACL HLT 2015: North American Chapter of the Association for Computational Linguistics, Human Language Technologies*. Denver, Colorado, USA May 31 - June 5. **Citations: 13.**
15. **Luz Rello** and Miguel Ballesteros. 2015. Detecting Readers with Dyslexia Using Machine Learning with Eye Tracking Measures. *W4A 2015: The 12th Conference on Web Accessibility*. Florence, Italy, May 18-20.
16. Walter S. Lasecki; **Luz Rello** and Jeffrey P. Bigham. 2015. Measuring Text Simplification with the Crowd. *W4A 2015: The 12th Conference on Web Accessibility*. Florence, Italy, May 18-20.
17. **Luz Rello**; Clara Bayarri; Yolanda Otal de la Torre and Martin Pielot. 2014. A Computer-Based Method to Improve the Spelling of Children with Dyslexia. *ASSETS 2014: The 16th International ACM SIGACCESS Conference of Computers and Accessibility*. Rochester, NY USA, 20-22 October. **Citations: 28.**
18. **Luz Rello**; Ricardo Baeza-Yates and Joaquim Llisterri. 2014. DysList: An Annotated Resource of Dyslexic Errors. *LREC 2014: The 9th international conference on Language Resources and Evaluation*. Reykjavik, Iceland, 26-31, May. **Citations: 14.**

19. **Luz Rello** and Ricardo Baeza-Yates. 2014. Evaluation of DysWebxia: A Reading App Designed for People with Dyslexia. *W4A 2014: The 10th Conference on Web Accessibility*. Seoul, Korea, 7-9 April. **Best paper award runner-up. Citations: 14.**
20. **Luz Rello** and Ricardo Baeza-Yates. 2013. Good Fonts for Dyslexia. *ASSETS 2013: The 15th International ACM SIGACCESS Conference of Computers and Accessibility*. Bellevue, Washington USA, 22-24 October. **Citations: 101.**
21. **Luz Rello**; Ricardo Baeza-Yates; Laura Dempere and Horacio Saggion. 2013. Frequent words improve readability and short words improve understandability for people with dyslexia. *INTERACT 2013: 14th IFIP TC13 Conference on Human-Computer Interaction*. Cape Town, South Africa, 2013. **Citations: 64.**
22. **Luz Rello**; Susana Bautista; Ricardo Baeza-Yates; Pablo Gervás, Raquel Hervás and Horacio Saggion. 2013. One half or 50%? An eye-tracking study of number representation readability. *INTERACT 2013: 14th IFIP TC13 Conference on Human-Computer Interaction*. Cape Town, South Africa, 2013. **Citations: 37.**
23. **Luz Rello**; Ricardo Baeza-Yates; Stefan Bott and Horacio Saggion. 2013. Simplify or Help? Text Simplification Strategies for People with Dyslexia. *W4A 2013: The 10th Conference on Web Accessibility*. May 13-15, 2013, Rio de Janeiro, Brazil. **Best paper award. Citations: 46.**
24. **Luz Rello**; Martin Pielot; Mari-Carmen Marcos and Roberto Carlini. 2013. Size Matters (Spacing not): 18 Points for a Dyslexic-friendly Wikipedia. *W4A 2013: The 10th Conference on Web Accessibility*. May 13-15, 2013, Rio de Janeiro, Brazil. **Citations: 37.**
25. **Luz Rello**; Ricardo Baeza-Yates and Horacio Saggion. 2013. The Impact of Lexical Simplification by Verbal Paraphrases for People with and without Dyslexia. *CICLing 2013: The 12th International Conference on Intelligent Text Processing and Computational Linguistics. Lecture Notes in Computer Science*. Samos, Greece, 24-30 March.
26. Horacio Saggion, Stefan Bott & **Luz Rello**. 2013. Comparing Resources for Spanish Lexical Simplification. *SLSP 2013: 1st International Conference on Statistical Language and Speech Processing*. July 29-31, 2013. Tarragona, Spain. **Citations: 10.**
27. **Luz Rello**; Clara Bayarri and Azuki Gorriz. 2013. Dyseggxia o Piruletras: Ejercicios Lingüísticos para la Reeducción de la Dislexia en un Juego para Tableta (Dyseggxia or Piruletras: Language Exercises for Rehabilitation of Dyslexia in a Game for Tablet). *TISE 2013: XVIII Congreso Internacional de Informática Educativa*. Porto Alegre, Brasil, 9-11 December, 2013.
28. Bott, Stefan; **Rello, Luz**; Biljana Drndarevic and Horacio Saggion. 2012. Can Spanish Be Simpler? LexSiS: Lexical Simplification for Spanish. *Coling 2012: The 24th International Conference on Computational Linguistics*. Mumbai, India, 8-15 December. **Citations: 57.**
29. **Luz Rello** and Mari-Carmen Marcos. 2012. An Eye Tracking Study on Text Customization for User Performance and Preference. *LA-WEB 2012: The 8th edition of the Latin American Web Congress*. Cartagena, Colombia, 25-27 October.
30. **Luz Rello** and Joaquim Llisterri. 2012. There are Phonetic Patterns in Vowel Substitution Errors in Texts Written by Persons with Dyslexia. *LDW 2012: The 21st Annual World Congress on Learning Disabilities*. Oviedo, Spain, 5-7 September.
31. **Luz Rello** and Ricardo Baeza-Yates. 2012. Lexical Quality as a Measure for Textual Web Accessibility. *ICCHP 2012: The 13th International Conference on Computers Helping People with Special Needs*. Linz, Austria, July 11-13.
32. **Luz Rello** and Iria Gayo. 2012. A Portuguese-Spanish Corpus Annotated for Subject Realization and Referentiality. *LREC 2012: The 8th international conference on Language Resources and Evaluation*. Istanbul, Turkey, 16-17, May, p. 154-157.

33. **Luz Rello**; Ricardo Baeza-Yates and Ruslan Mitkov. 2012. Elliphant: Improved Automatic Detection of Zero Subjects and Impersonal Constructions in Spanish. *EACL 2012: The 13th European chapter of the Association for Computational Linguistics*. Avignon, France, 23-27 April, p. 706-715. **Citations: 12.**
34. **Luz Rello**; Gaurang Kanvinde and Ricardo Baeza-Yates. 2012. Layout Guidelines for Web Text and a Web Service to Improve Accessibility for Dyslexics. *W4A 2012: The 9th Conference on Web Accessibility*. Lyon, France, 16-17 April. **Citations: 79.**
35. **Luz Rello** and Joaquim Llisterri. 2011. Temporal Factors for Pronominal Anaphora Resolution in Spanish. *ICPhS XVII: The 17th International Congress of Phonetic Sciences*. Hong Kong, China, 17-21 August.
36. **Luz Rello** and Eduardo Basterrechea. 2011. Onoma: A Linguistically Motivated Conjugation System for Spanish Verbs. *CICLing 2011: The 12th International Conference on Intelligent Text Processing and Computational Linguistics, Lecture Notes in Computer Science*, 6608, p. 227-138. New York: Springer. Tokyo, Japan, 20-26 February.

## BOOK CHAPTERS

1. Maria Rauschenberger; Ricardo Baeza-Yates; and **Luz Rello**. Technologies for Dyslexia. In S. Harper and Y. Yesilada (Eds.), *Web Accessibility Book Second Edition*. Springer. (Accepted, to appear in 2019)
2. Horacio Saggion and **Luz Rello**. 2015. Technologies for persons with dyslexia. In J. Spector (Ed.), *The SAGE encyclopedia of educational technology*. (pp. 710-712). Thousand Oaks, CA: SAGE Publications, Inc.
3. Joaquim Llisterri and **Luz Rello**. 2012. La interfaz entre prosodia y discurso en la resolución de la anáfora pronominal en español. (The interface between prosody and discourse on pronominal anaphora resolution in Spanish) Chapter in Jiménez Juliá, Tomás; López Meirama, Belén; Vázquez Rozas, Victoria & Veiga Alexandre (coords). *Cum corde et in nova grammatica*. Estudios ofrecidos a Guillermo Rojo. Santiago de Compostela: Universidade de Santiago de Compostela. ISBN-13: 9788498879148. p. 465-475.

## SHORT PUBLICATIONS AND REFEREED WORKSHOPS

1. Maria Rauschenberger, **Luz Rello**; Ricardo Baeza-Yates; Emilia Gómez and Jeffrey P. Bigham. 2017. DysMusic: Detecting Dyslexia by Web-based Games with Music Elements. *W4A 2017: The 17th Web for All Conference*. Perth, Australia, Abril 2-4.
2. **Luz Rello**; Kristin Williams; Abdullah Ali; Nancy Cushen White and Jeffrey P. Bigham. 2016. Towards a Multilingual Dyslexia Detection using Online Games. *W4A 2016: The 16th Web for All Conference*. Montreal, Canada, Abril 11-13.
3. **Luz Rello**. 2015. Dyslexia and Web Accessibility: Synergies and Challenges. *W4A 2015: The 12th Web for All Conference*. Florence, Italy, May 18-20.
4. **Luz Rello**; Roberto Carlini; Ricardo Baeza-Yates and Jeffrey P. Bigham. 2015. A Plug-in to Aid Online Reading in Spanish. *W4A 2015: The 12th Web for All Conference*. Florence, Italy, May 18-20.
5. **Luz Rello**; Horacio Saggion and Ricardo Baeza-Yates. 2014. Highlighting Keywords Improves Comprehension of People with Dyslexia. *EACL Workshop PITR 2014: The 3rd Workshop on Predicting and Improving Text Readability for Target Reader Populations*. Gothenburg, Sweden, 27 April.
6. Yolanda Otal, Catalina Sintés and **Luz Rello**. 2013. Tecnología para la reeducación de los disléxicos. *Congreso Por el derecho a una educación de calidad*. Barcelona, Spain, 24-26 October, 2013.



7. **Luz Rello**. 2013. Design of Word Exercises for Children with Dyslexia. *DSAI 2013: The 5th International Conference on Software Development for Enhancing Accessibility and Fighting Info-exclusion*. Vigo, Spain, 13-15 November. **Citations: 13.**
8. **Luz Rello** and Simone D. J. Barbosa. 2013. Do People with Dyslexia Need Special Reading Software?. *INTERACT 2013 Workshop on Rethinking Universal Accessibility: A broader approach considering the digital gap*. Cape Town, South Africa, 2013.
9. **Luz Rello**; Clara Bayarri and Azuki Gorrioz. 2013. Un juego educativo para niños con dislexia. *Interacción 2013 - XIV Congreso Internacional de Interacción Persona-Ordenador*. September 17-20, 2013, Madrid, Spain.
10. Mari-Carmen Marcos and **Luz Rello**. 2013. Order effect y presencia de erratas en estudios de usuarios con eye tracking. *Interacción 2013 - XIV Congreso Internacional de Interacción Persona-Ordenador*. September 17-20, 2013, Madrid, Spain.
11. **Luz Rello**; Gaurang Kanvinde and Ricardo Baeza-Yates. 2012. A Mobile Application for Displaying More Accessible eBooks for People with Dyslexia. *DSAI 2012: The 4th International Conference on Software Development for Enhancing Accessibility and Fighting Info-exclusion*. Douro Region, Portugal, 19-22 July. **Citations: 13.**
12. **Luz Rello**; Ricardo Baeza-Yates, Horacio Saggion and Eduardo Graells. 2012. Graphical Schemes May Improve Readability but not Understandibility for People with Dyslexia. *PITR 2012: NAACL HLT 2012 Workshop Predicting and improving text readability for target reader populations*. Montreal, Canada, 7 June, p. 25-32. **Citations: 16.**
13. **Luz Rello**; Ricardo Baeza-Yates, Horacio Saggion and Jennifer Pedler. 2012. A First Approach to the Creation of a Spanish Corpus of Dyslexic Texts. *NLP4ITA 2012: LREC Workshop Natural Language Processing for Improving Textual Accessibility*. Istanbul, Turkey, 27 May, p. 22-26.
14. Ricardo Baeza-Yates and **Luz Rello**. 2012. On Measuring the Lexical Quality of the Web. *WICOW/AIRWeb: WWW Workshop on Web Quality*. Lyon, France, 17 April. **Citations: 11.**
15. Ricardo Baeza-Yates and **Luz Rello**. 2011. How Bad Do You Spell?: The Lexical Quality of Social Media. *FOSW 2011: ICWSM Workshop the Future of the Social Web*. Barcelona, Spain, 21 July.
16. Ricardo Baeza-Yates and **Luz Rello**. 2011. Estimating Dyslexia in the Web. *W4A 2011: Proceedings of The 8th International Cross Disciplinary Conference on Web Accessibility*. Hyderabad, India, 28-29 March. **Citations: 26.**
17. **Luz Rello** and Eduardo Basterrechea. 2010. Automatic Conjugation and Identification of Regular and Irregular Verb Neologisms in Spanish. *CALC 2010: NAACL HLT 2010 Second Workshop on Computational Approaches to Linguistic Creativity*. Los Angeles, USA, 5 June, p. 1-5.
18. Ruslan Mitkov; HA, Le An; Varga, Andrea. and **Luz Rello**. 2009. Semantic Similarity of Distractors in Multiple-Choice Tests: Extrinsic Evaluation. *GEMS 2009: EACL Workshop on GEometrical Models of Natural Language Semantics*. Athens, Greece, March 31, p. 49-56. **Citations: 44.**
19. **Luz Rello** and Iustina Ilisei. 2009. A Rule-Based Approach to the Identification of Spanish Zero Pronouns. *Student Workshop at RANLP 2009, Recent Advances in Natural Language Processing*. Borovets, Bulgaria, 14-15 September, p. 60-65. **Citations: 20.**
20. **Luz Rello** and Iustina Ilisei. 2009. A Comparative Study of Spanish Zero Pronoun Distribution. *ISMTCL: International Symposium on Data and Sense Mining, Machine Translation and Controlled Languages*, Besançon, France, July 1-3. **Citations: 22.**

## REFEREED POSTERS &amp; DEMONSTRATIONS

1. Maria Rauschenberger, **Luz Rello** and Ricardo Baeza-Yates. 2018. A Tablet Game to Target Dyslexia Screening in Pre-readers. *MobileHCI 2018: 20th International Conference on Human-Computer Interaction with Mobile Devices and Services*. Barcelona, Spain, September 3-7. ACM Press.
2. Ostiz-Blanco, M., Lallier, M., Grau, S., **Rello, L.**, Bigham, J.P., and Carreiras, M. 2018. Jellys: Towards a Videogame that Trains Rhythm and Visual Attention for Dyslexia. *ASSETS 2018: The 20th International ACM SIGACCESS Conference of Computers and Accessibility*. Galway, Ireland, 22-24 October.
3. **Luz Rello**; Arturo Macias; Maria Herrera; Camila de Ros; Enrique Romero and Jeffrey P. Bigham. 2017. DyetectiveU: A Game to Train the Difficulties and the Strengths of Children with Dyslexia. *ASSETS 2017: The 19th International ACM SIGACCESS Conference of Computers and Accessibility*. Baltimore, Maryland USA, 30 October-1 November.
4. **Luz Rello**; Abdullah Ali and Jeffrey P. Bigham. 2015. Dyetective: Toward a Game to Detect Dyslexia. *ASSETS 2015: The 17th International ACM SIGACCESS Conference of Computers and Accessibility*. Lisbon, Portugal, 26-28 October. **Best Demo Award**.
5. Maria Rauschenberger; Silke Fuechsel; **Luz Rello**; Clara Bayarri and Azuki Gòrriz. 2015. A Game to Target the Spelling of German Children with Dyslexia. *ASSETS 2015: The 17th International ACM SIGACCESS Conference of Computers and Accessibility*. Lisbon, Portugal, 26-28 October.
6. Martin Pielot and **Luz Rello**. 2015. The Do Not Disturb Challenge: A Day Without Notifications. *CHI EA '15: Extended abstracts on Human factors in Computing Systems*. 2015. **Citations: 15**.
7. **Luz Rello**; Ricardo Baeza-Yates, Horacio Saggion, Clara Bayarri and Simone D. J. Barbosa. 2013. An iOS Reader for People with Dyslexia. *ASSETS 2013: The 15th International ACM SIGACCESS Conference of Computers and Accessibility*. Bellevue, Washington USA, 22-24 October.
8. **Luz Rello**; Ricardo Baeza-Yates; Horacio Saggion; Stefan Bott; Roberto Carlini; Clara Bayarri; Azuki Gorriz; Saurabh Gupta; Gaurang Kanvinde and Vasile Topac. 2013. DysWebxia 2.0! More Accessible Text for People with Dyslexia *W4A 2013 - The Paciello Accessibility Challenge: The 10th International Cross Disciplinary Conference on Web Accessibility*. May 13-15, 2013, Rio de Janeiro, Brazil. **Citations: 15**.
9. **Luz Rello**; Clara Bayarri and Azuki Gorriz. 2013. Dyslexia Exercises on my Tablet are more Fun. *W4A 2013 - The Paciello Accessibility Challenge: The 10th International Cross Disciplinary Conference on Web Accessibility*. May 13-15, 2013, Rio de Janeiro, Brazil. **Best Demo Award**.
10. **Luz Rello**; Clara Bayarri, and Azuki Gorriz. 2012. What is Wrong with this Word? Dysegxia: a Game for Children with Dyslexia. *ASSETS 2012: The 14th International ACM SIGACCESS Conference of Computers and Accessibility*. Boulder, USA, 22-24 October. **Citations: 32**.
11. Gaurang Kanvinde; **Luz Rello** and Ricardo Baeza-Yates. 2012. IDEAL: a Dyslexic-Friendly eBook Reader. *ASSETS 2012: The 14th International ACM SIGACCESS Conference of Computers and Accessibility*. Boulder, USA, 22-24 October. **Citations: 30**.
12. **Luz Rello** and Ricardo Baeza-Yates. 2012. Social Media is not that bad! The Lexical Quality of Social Media. *ICWSM 2012: The 6th International AAAI Conference on Weblogs and Social Media*. Dublin, Ireland, 4-7 June. **Citations: 22**.
13. **Luz Rello** and Ricardo Baeza-Yates. 2012. Lexical Quality as a Proxy for Web Text Understandability. *WWW 2012: The 21st International World Wide Web Conference*. Lyon, France, 16-20 April, p. 591-592. **Citations: 28**.

## NATIONAL JOURNALS AND OTHER PUBLICATIONS

1. **Luz Rello**, Gabriela Ferraro and Iria Gayo. 2012. A First Approach to the Automatic Detection of Zero Subjects and Impersonal Constructions in Portuguese. *Procesamiento del Lenguaje Natural*. 49. p. 163-170. SJR Score: 0,21.
2. **Luz Rello**. 2012. DysWebxia: A Model to Improve Accessibility of the Textual Web for Dyslexic Users. *Newsletter ACM SIGACCESS Accessibility and Computing*. January.
3. **Luz Rello** and Ricardo Baeza-Yates. 2012. Optimal Colors to Improve Readability for People with Dyslexia. *Text Customization for Readability, W3C WAI RDWG Online Symposium* November. **Citations: 14.**
4. **Luz Rello**; Gabriela Ferraro and Alicia Burga. 2011. Error Analysis for the Improvement of Subject Ellipsis Detection. *Procesamiento del Lenguaje Natural*. 47, p. 223-230. SJR Score: 0,21.
5. María Auxiliadora Barrios and **Luz Rello**. 2011. False paraphrase pairs in Spanish for verbs and verb+noun collocations. *Procesamiento del Lenguaje Natural*. 46, p. 107-112. SJR Score: 0,21.
6. Eduardo Basterrechea; **Luz Rello** and Rodrigo Alarcón Martínez. 2011. Una demostración de Onoma, el conjugador en línea de verbos y neologismos verbales en español (A demo of Onoma, an on-line conjugator for verbs and verbs neologisms in Spanish) *Procesamiento del Lenguaje Natural*. 47, p. 327-328.
7. Iria Gayo and **Luz Rello**. 2011. El Fenómeno Pro-drop en Portugués Brasileño y Español Peninsular. (Pro-drop phenomenon in Brazilian Portuguese and Peninsular Spanish) *CILC 2011: III Congreso Internacional de Lingüística de Corpus*. Valencia, Spain, 7-9 Abril, 2011.
8. **Luz Rello** and Iria Gayo. 2011. Clasificación y Anotación de Clases de Sujetos en Portugués. (Classification and Annotation of Subject Ellipsis in Portuguese) *SEL 2011: XL Simposio Internacional y III Congreso de la Sociedad Española de Lingüística*. Madrid, Spain, 7-10 February, 2011.
9. **Luz Rello** and Eduardo Basterrechea. 2010. Onoma: un conjugador de verbos y neologismos verbales (Onoma: a Conjugator Tool for Verbs and Verb Neologisms) *Procesamiento del Lenguaje Natural*. 45, p. 129-137. SJR Score: 0,21
10. **Rello, Luz**, Suárez, Pablo. and Mitkov, Ruslan. 2010. A Machine Learning Method for Identifying Impersonal Constructions and Zero Pronouns in Spanish. *Procesamiento del Lenguaje Natural*. 45, p. 281-287. SJR Score: 0,21.
11. **Luz Rello**. 2009. Términos de color en español: Semántica, morfología y análisis lexicográfico. Definiciones y matices semánticos de sus afijos. (Spanish Color Terms: Semantic, Morphological and Lexicographic Analysis). *Diálogo de la Lengua*. I, p. 90-164.
12. **Luz Rello**. 2009. Una modelización sintáctica formal-funcional para el procesamiento del lenguaje natural. (A Syntactic Formal-Functional Model for Natural Language Processing). *Interlingüística*. 18, p. 920-929.
13. **Luz Rello**. 2007. CORAL: Construcción de Objetos Representacional Aplicada al Lenguaje. Un modelo de representación para el procesamiento del lenguaje natural (CORAL: Representational Construction of Objects Applied to Language). *VI Certamen Arquímedes de Introducción a la Investigación Universitaria*. Madrid: Dirección General de Universidades del Ministerio de Educación y Ciencia.

## DISSERTATIONS

1. **Rello, Luz**. 2014. Ph.D. Thesis. DysWebxia. A Text Accessibility Model for People with Dyslexia. Advisors: Ricardo Baeza-Yates and Horacio Saggion. Department of Information and Communication Technologies, Universitat Pompeu Fabra.

2. **Rello, Luz.** 2014. M.S. Thesis. **Citations: 26.**

Elliphant: A Machine Learning Method for Identifying Subject Ellipsis and Impersonal Constructions in Spanish. Advisors: Prof. Ruslan Mitkov and Prof. Xavier Blanco. Master Thesis. University of Wolverhampton and Universitat Autònoma de Barcelona.

3. **Rello, Luz.** 2014. B.A. Thesis. Términos de color en español: Semántica, morfología y análisis lexicográfico. Definiciones y matices semánticos de sus afijos. (Spanish Color Terms: Semantic, Morphological and Lexicographic Analysis). Advisor: Prof. Fernando Lázaro Mora. Complutense University of Madrid.

## Software

1. **DyetectiveU** Launched by Change Dyslexia on 28th April 2017 at CosmoCaixa, Barcelona. It is a computer game with 42,000 training exercises that mixes linguistics, natural language processing and machine learning to support children with dyslexia via personalized exercises based on 24 indicators (cognitive abilities). It has been downloaded over 36,500 times (data updated on 3th September 2018). Developed with a crowdfunding campaign in Kickstarter \$ 25,000 <https://www.kickstarter.com/projects/1509026717/change-dyslexia>. This program will be adopted by 100 public schools by the Education Council of Madrid.

Available at: <https://dydetectiveu.org/>

2. **Dyetective Test.** Launched by Change Dyslexia and Samsung on 14th December 2016 under the name *Dyetective for Samsung*. until December 2017. I has been used by over **140,000** people in 55 countries. The first online detector for dyslexia and reading/writing difficulties for Spanish mixing computer games and artificial intelligence. Evaluated with more than **10.000 children** from 60 schools, 22 specialized and medical centers, 3 universities, 11 dyslexia associations, and 4 foundations from Spain, Chile, Colombia and Argentina. Winner of the Best Demo Award in ASSETS 2015. Semi-finalist of the International Competition de United Arab Emirates UAE AI & Robotics Award for Good (semi-finalist, 7th position among 664 entries). Patent filed (as application 15/493,060). The spot of the application won a Bronze Cannes Lion 2017 at Cyber

Available at: <https://dydetectivetest.org/>

3. **Piruletras** developed by Cookie Cloud (co-founder with Clara Bayarri & Azuki Górriz). It integrates research on linguistics, NLP and an evaluation with children. It is the first game the support the writing of children with dyslexia. Developed by the Cookie Cloud team (founding member). Adopted in the curriculum of specialized centers. Available for iOS in App Store with **33,000 downloads** in 70 countries. Delegates Award of The Paciello Group Web Accessibility Challenge and Winner of the first prize (Education Category) of the Vodafone Foundation Mobile for Good Europe Awards 2013.

Available at: <https://goo.gl/ViRzYG>

4. **DysWebxia.** The following applications integrate the results of my PhD thesis, a model called DysWebxia, to make texts more readable for people with dyslexia.

(a) **IDEAL eBook Reader** the first eBook reader with settings for people with dyslexia. Available for Android in Google Play with **35,000 downloads**. Developed by Accessible Systems India (Mumbai), with Gaurang Kanvinde & Saurabh Gupta. Finalist Vodafone Foundation Smart Accessibility Awards.

Available at: <https://goo.gl/AnRGcU>

(b) **Text4All**, a web service that includes personalized settings for people with dyslexia. Finalist in The Paciello Group Web Accessibility Challenge. Developed by Vasile Topac ar University of Timisoara, Romania.

(c) **DysWebxia**, a plug-in Chrome. At Universitat Pompeu Fabra/Carnegie Mellon University with Roberto Carlini, Ricardo Baeza-Yates & Jeffrey P. Bigham.

## Mentoring

- Current Ph.D. Student
  - Maria Rauschenberger (co-advisor with Ricardo Baeza-Yates, Universitat Pompeu Fabra, 2015-)
- ASSETS's Mentoring Programme
  - Mikel Ortis, Universidad de Navarra (Spain), 2018.
  - Cristal Renee Hermsillo, Bucknell University Pennsylvania (USA), 2017.
  - María del Rocío Calvo Martín, Universidad Carlos III de Madrid (Spain), 2016.
  - Tereza Pařilová, Masaryk University in Brno (Czech Republic), 2015.
- Undergraduate Research Assistant
  - Sergi Subirats, Universitat Pompeu Fabra, 2015.
- Bachelor Students
  - Ona Hansá, Escola Sadako, 2014.
  - Caroline Muela, Escola Sadako, 2014.

## Professional Service

- Working Group Member at Fundaci3n Fundaci3n Princesa de Girona, Barcelona, Spain. Since July 2017.
- Board Member at Fundaci3n Itinerarium, Barcelona, Spain. Since July 2017.
- Expert at Understood.org (15 nonprofit organizations) New York, U.S. Since January 2017.
- Honorable member of Coordinated Dyslexia and Learning Difficulties Associations of Spain. Since June 2015.
- Technical Advisor of Project Difference, a pilot project with schools in Catalonia to support reading and writing (2014-2017).
  - Founding member of Cookie Cloud, a working team focused on serious games for children <http://cookie-cloud.com/> (2012-2015).
- Invited expert of the W3C Research and Development Working Group of the Web Accessibility Initiative (WAI) of the World Wide Web Consortium (W3C) (2012-2015).
- Collaborator in the upcoming Dictionary of Computational Linguistics. Oxford University Press.
- Erasmus Mundus NLP HLT Master Course Representative (2011-2013).
- Founding Member and Associate Editor (2008-2012) of *Diálogo de la Lengua*, Journal of Linguistics.
- Founding Member and Secretary (2007) of the Association of Young Philology Researchers.
- World Wide Web Consortium (W3C):
  - Program Committee TC4R (Text Customization for Readability - W3C Symposium) 2012
  - Program Committee E2R (Easy to Read on the Web - W3C Symposium) 2013
  - Program Committee eLearning W3C Symposium 2013
- W4A (International Cross-Disciplinary Conference on Web Accessibility):
  - General Co-Chair 2016
  - Program Co-Chair 2015
  - Demo Co-Chair 2014
  - Google Student Scholarship Co-Chair 2013

- ASSETS (International ACM SIGACCESS Conference on Computers and Accessibility):
  - Posters and Demo Co-Chair 2017
  - Program Committee 2015, 2016, 2017
  - Student Research Competition Judge 2015
- WWW (International World Wide Web Conference):
  - Program Committee on Computational Health 2017, 2018
- Digital Health Conference:
  - Program Committee 2015, 2016, 2017, 2018
- IHC (Brazil)
  - Program Committee 2013, 2014
- Workshop Organizer
  - NAACL 2013 Workshop on Natural Language Processing for Improving Textual Accessibility (NLP4ITA 2012) with Ricardo Baeza-Yates, Horacio Saggion
  - LREC 2012 Workshop on Natural Language Processing for Improving Textual Accessibility (NLP4ITA 2012) with Ricardo Baeza-Yates, Paloma Moreda, Luz Rello, Horacio Saggion, and Lucia Specia.
- Reviewer of Conference Publications (not on Program Committee)
  - CHI 2014, CHI 2015
  - IJCNLP 2013
  - ACL 2011
  - CICLing 2010, 2011, 2012, 2013
  - RANLP 2009, 2011, 2013
- Student Volunteer
  - SPIRE 2010
- Professional Memberships
  - ACM: Association for Computing Machinery (2010-)
- Honorable Memberships
  - Honorable member of Coordinated Dyslexia and Learning Difficulties Associations of Spain. (2015-)
  - Honorable member the Association Dyslexia without Frontiers (2016-)

## Selected Media

### 1. Videos

- El País Video on Dyetective (**9 Million views**) <https://goo.gl/wX8WmH>
- Dyetective for Samsung Spot (**2.3 Millions views**) <https://goo.gl/eW0Dnw> (Winner of a Bronze Cannes Lion 2017 at Cyber)
- VodafoneOne Interview (**102,374 views**) <https://goo.gl/bL62dY>
- TEDxMadrid Talk: New Solutions for Dyslexia (**46,430 views**), <https://goo.gl/Q2UZkG>

### 2. TV

- TeleMadrid *La Comunidad ofrecerá a 100 colegios públicos un programa en detección temprana y de mejora de la dislexia* - 2018 <https://goo.gl/ch7QGQ>

- TVE LA 2 - Second Spanish TV channel - La Aventura del Saber - 2018 <https://goo.gl/D2wZqF>
- EmolTV (TV channel of El Mercurio, Main Newspaper in Chile) *Dyslexia: New App allows early detection* - 2017 <https://goo.gl/wroqsf>
- CUATRO - National Spanish TV channel - Crónica Cuatro - 2017 <https://goo.gl/pMb10b>
- TeleSUR - Latin America tv channel - Atomun - 2017 <https://goo.gl/yQ6csx>
- TVE LA 2 - Second Spanish TV channel - La Aventura del Saber - 2017 <https://goo.gl/7EiFbL>  
item[-] Antena 3 - National Spanish TV channel - Espejo Público - 2017 <https://goo.gl/OPjNUA>
- La Sexta - National Spanish TV channel - Más vale Tarde - 2017 <https://goo.gl/NQklwL>
- TeleSUR - Latin America tv channel - Atomun - 2017 <https://goo.gl/JRfafR>
- TVE LA 2 - Second Spanish TV channel - Tips Jóvenes Talentos - 2017 <http://bit.ly/2l0KnLN>
- RTVE - National Spanish TV channel - Lab24 - 2016 <https://goo.gl/f90Kp1>
- TVE LA 2 - Second Spanish TV channel - A punto con La 2 - Reportage about Dyetective & Piruletras - 2016 <http://goo.gl/OX4eRG>
- TVE La Noche Sexta - Most watched TV show at night time - Interview about dyslexia - 2016 <http://goo.gl/vRaOPL>
- CNN - En Español - U.S and South America - 2016 <https://goo.gl/eQRwKr>
- TVE - Main Spanish TV channel - 2015 <https://goo.gl/iSzQEn>
- TEDxMadrid talk: New Solutions for Dyslexia - 2013 <https://goo.gl/Q2UZkG>
- TVE LA 2 -Second Spanish TV channel - Reportage about TedX - 2013 <https://goo.gl/vXMGUU>
- TVE LA 2 -Second Spanish TV channel - Debate - 2013 <http://goo.gl/yPt8qz>
- TV3 - Main Catalan TV Channel - Reportage due to award by the European Union - 2013 <https://goo.gl/hXrtiZ>

### 3. Press

- Jot Down *Luz Rello: “Hay quien se ha subido al barco de la dislexia por aquello de que está de moda ser diferente”* - 2018 <https://goo.gl/Xt97we>
- El Confidencial *Cómo detectar y combatir la dislexia jugando* - 2018 <https://goo.gl/cbDVZN>
- La Vanguardia *La Comunidad ofrecerá a 100 colegios públicos un programa en detección temprana de la dislexia* - 2018 <https://goo.gl/TEg5Gw>
- Harper’s Bazaar *Luz Rello in Changing the Realm of Dyslexia Treatment Through Artificial Intelligence* - 2018 <https://goo.gl/dwahCn>
- Forbes Spain, *Change Dyslexia was selected in the reportage Four Spanish startups that are revolutionizing ehealth* - 2018 (only printed, March 2018)
- Newsweek (US Edition) *Nominee: Luz Rello, Leader: Ana Botín* - 2018 <https://goo.gl/GwcGEZ>
- SICN *Women, young, Spanish and technology leaders* - 2018 <https://goo.gl/CLu5EH>
- El Expectador (Oldest and Second Newspaper in Colombia) *Luz Rello: changing childhood with technology* - 2017 <https://goo.gl/FJrTYw>
- New Scientist *One day without notifications changes behaviour for two years* - 2017 <https://goo.gl/LxkRGU>
- Mujeres con Ciencia *Luz Rello: “Me han llegado a ofrecer mucho dinero por la patente de Dyetective, pero he decidido no venderla para que sea un servicio gratuito”* - 2017 <https://goo.gl/Nxjqnq>
- Papel (El Mundo’s Sunday magazine) *El ‘Candy Crush’ de la dislexia-* 2017 <https://goo.gl/LOOFwj>

- El Pais Semanal (EL PAIS's Sunday magazine) *Luz Rello, investigadora: "Hay que salir del armario de la dislexia"* - 2017 <https://goo.gl/1zaOPY>
- El Mundo - National Spanish Newspaper - 2017 <https://goo.gl/krtevj>
- ABC - National Spanish Newspaper - Article - 2016 <http://goo.gl/iXtrWx>
- El País - Main Spanish Newspaper - Article - 2015-16 <http://goo.gl/xopP21>
- El País - Main Spanish Newspaper - Article - 2013 <http://goo.gl/hsSDWR>
- Scientific American (in Spanish) - Article <http://goo.gl/wmzaW7>
- TNW - Article (English) - 2013 <http://goo.gl/QfwI0d>
- Materia - Main Science Outreach Journal in Spain - 2013 <http://goo.gl/83TFTj>
- El País - Main Spanish Newspaper - Article - 2015 <http://goo.gl/HoKxOG>
- La Vanguardia - Main Catalan Newspaper - 2013 <http://goo.gl/FmyfbC>
- 20Minutos - Spanish Newspaper - Article 2013 <http://goo.gl/7at5t2>
- El Mundo - Second Spanish Newspaper - Article 2013 <http://goo.gl/QgJzkg>
- Daisy.org - Article (English) 2013 <http://www.daisy.org/stories/luz-reлло>
- Diario Ara - Second Catalan Newspaper - Article 2012 <http://goo.gl/asn2jo>
- IBERIA Magazine - Main airline in Spain <http://goo.gl/xmTONK>
- La Vanguardia - Main Catalan Newspaper - 2013 <http://goo.gl/s5aHH4>

## Invited Talks

1. *Tecnología científicamente validada para la dislexia - Scientifically validated Technology for Dyslexia* (Research) Cursos de Verano. UIMP: Universidad Internacional Menéndez Pelayo. Valencia (Spain). July 2017.
2. *Acto de Presentación del Programa de Detección de la Dislexia - Presentation of the Dyslexia Detection Programme.* (Outreach) Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid (Education Council of Madrid, Spain). April 2017.
3. *Dyetective for Samsung and DyetectiveU for Dyslexia.* (Outreach) at
  - Red de Impulsores del Cambio by Aguas Andinas. Universidad Católica de Chile. Santiago de Chile (Chile). December 2017.
  - Aquae Campus. Cartagena (Spain). October 2017.
  - #Realinfluencers. Evento de Innovación Educativa. CaixaForum. Madrid (Spain). May 2017.
  - Samsung Schools. Madrid (Spain). April 2017.
  - Stand Up LD. Dallas (USA). January 2017.
4. *Using Artificial Intelligence to Detect and Support Dyslexia.* (Research) at
  - Teaming Day. Caja Círculo. Burgos (Spain). June 2018.
  - Madrid con la Dislexia. Madrid (Spain). April 2018.
  - Ikasgilza Schools. Vitoria and Bilbao (Spain). April 2018.
  - Expedición Pedagógica. Fundación Princesa de Girona. Sevilla (Spain). November 2018.
  - Understood.org. New York (USA). January 2017.
5. *Inspirational Talk* (Outreach) at



- MujeresTech Summit 2017. Madrid (Spain). April 2017.
  - International Dyslexia Association 2016. Orlando (USA). October 2016.
  - RedEmprendia Spin2016. Emprendimiento universitario. Santiago de Compostela (Spain). September 2016.
  - Red de Impulsores del Cambio by La Fundación Aquae, Fundación Ashoka, Fundación Acuorum, Hidraqua (Spain), Canaragua (Spain), Aguas de Cartagena (Colombia) y Aguas Andinas (Chile). Casa de América. Madrid (Spain). September 2016.
6. *ChangeDyslexia: Early Detection and Intervention at Large Scale* (Research) at
- DISFAM LatAm (Latin American Congress of Dyslexia), Buenos Aires (Argentina). September 2016.
  - FLENI, Buenos Aires (Argentina). September 2016.
7. *Using Artificial Intelligence to Detect and Support Dyslexia* (Research) at
- Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid (Spain). Education Council of Madrid (Spain). June 2016.
  - Letamendi-Forns Foundation, Barcelona (Spain). May 2016.
  - DISFAM: Congress of Dyslexia And Family, Mallorca (Spain). November 2016.
8. *New solutions for Dyslexia* (Outreach) at
- City of Arts and Sciences, Valencia (Spain), November 2014.
  - TEDxMadridSalon, Madrid (Spain), November 2013.
  - TEDxMadrid (Spain), September 2013.
9. *¿Qué puede hacer la tecnología digital por la dislexia?-Can Technology Help Dyslexia?* (Outreach) at
- Jornadas Difference, Barcelona, Spain. July 2014.
  - ACD (Dyslexia Association of Catalonia), Barcelona (Spain). April 2014.
  - Asociación Andaluza de Dislexia (ASANDIS) and University of Málaga. March 2014.
  - Agadix (Galician Association for Dyslexia), Lugo (Spain). Octubre 2013.

## Seminars

1. *ChangeDyslexia: Early Detection and Intervention at Large Scale* (Research) at
- Universidad de Valencia, Valencia (Spain). May 2018.
  - Universidad de la Rioja, Logroño (Spain). February 2018.
  - Fundación Telefónica, Madrid (Spain). May 2016.
  - Carnegie Mellon University, PA (USA). April 2016.
  - Microsoft Research. Redmond, WA (USA). October 2015.
  - Universitat Pompeu Fabra, Barcelona (Spain). October 2015.
  - University of Washington, WA, (USA). October 2015.
2. *Using Artificial Intelligence to Detect and Support Dyslexia* (Research) at
- Universidad Complutense de Madrid (Spain). June 2016.
  - Universidad de Almería, Almería (Spain). May 2016.
3. *Helping 10% of the people to read and write better.* (Research) at

- Carnegie Mellon University, PA (USA). May 2014.
  - Telefónica Research, Barcelona (Spain). April 2014.
4. *DysWebxia, a Web Accessibility Model for People with Dyslexia.* (Research) at
    - University of Cambridge (UK). April 2014.
    - Universidad Nacional de Educación a Distancia, Madrid (Spain). September 2013.
    - Pontificia Universidade Católica do Rio de Janeiro (Brazil). Abril 2013.
  5. *Elliphant: A Machine Learning Method for Identifying Subject Ellipsis and Impersonal Constructions in Spanish.* (Research) at
    - Universidad Nacional de Educación a Distancia, Madrid (Spain). September 2010.
    - Universidad Politécnica de Madrid (Spain). November 2010.
    - Universitat Pompeu Fabra, Barcelona (Spain). December 2010.
    - Universidad de Santiago de Compostela, Santiago de Compostela (Spain). December 2010.
    - Universitat Autònoma de Barcelona (Spain). February 2011.
  6. *Los secretos del español. La deconstrucción del verbo (The Secrets of Spanish. The verb Deconstruction)* (Outreach) , CosmoCaixa, Madrid (Spain). February 2010.

## Volunteering Experience

1. South African School of English (SASE), Cape Town, South Africa, Sept. 2008.
2. YMCA Chaperone, Camp Jones Gulch, La Honda, California, USA, July 2007.

## Languages

- Spanish (native)
- English (proficient)
- German (intermediate)
- Catalan (good comprehension)
- French (good comprehension)
- Classical Latin (good reading comprehension)

## Others

I wrote several pieces of creative writing and a theatre play (*Snow white and they will rip your eyes out*) which was performed in Pablo Iglesias Theatre in Madrid (premiere on the 4th of December, 2005). In 2009 I worked as an art model and during college I was a member of the debate society. I also like designing ambigrams -have more than 200 designs-, painting -reproductions of Joan Miró's paintings- and traveling to watch wild animals in their habitats, specially elephants and whales.