

## Newsletter ERI Lectura

1st semester 2023/24

August 2023 - January 2024

Since August 2023 Lalo Salmerón and Lidia Altamura are coordinators of the EARLI (European Association for Research on Learning and Instruction) SIG-2 (comprehension of text and graphics) and together with other ERI members are organising the EARLI SIG-2 conference next September in Valencia (<https://www.earli.org/sig-2-conference-2024>). Also, Inma Fajardo has joined EARLI SIG15 (Special Educational Needs) as senior coordinator for a period of 4 years and, together with Nadina Gómez (SIG-15 JURE coordinator) and other members of the ERI Lectura are organising the biannual conference also in Valencia (<https://www.earli.org/sig-15-conference-2024>). Also, other members of the ERI-Lectura (Manuel Perea, Marta Vergara, among others) are organising the Sixth Annual Meeting of the Society for the Cognitive Science of Culture, to be held on 10-13 April 2024 in Valencia (<https://esdeveniments.uv.es/107864/detail/sixth-annual-meeting-of-the-society-for-the-cognitive-science-of-culture.html>).

Raquel Cerdán is to be congratulated for her incorporation as a member of the Governing board of the Society for Text and Discourse, for a period of 6 years, and for being, since January, associate editor of the journal Learning and Instruction.

We would like to congratulate Noemi Skrobiszewska who defended her doctoral thesis entitled "Acquisition and development of the processes involved in task-oriented reading", supervised by Marian Serrano-Mendizábal and Eduardo Vidal-Abarca, and with



Ignacio Máñez, Ricardo García and Anna Potocki as examining board. We would also like to congratulate Analía Rosoli for defending the thesis "Analysis of the relationship between cold and warm executive functions in Autism Spectrum Disorder" directed



by our colleague Antonio Ferrer.

Congratulations to our colleagues Marian Serrano and Carmen Berenguer for being promoted to the position of Permanent Lecturer, to Laura Gil for becoming a Full Professor and to Raquel Cerdán for being promoted to University Professor.

Finally, we would like to welcome Mario Romero (FPU grant holder) and Mario Orts, Post-Doctoral Researcher.

### Organisation or participation in scientific activities

Marta Vergara-Martínez, together with other members of the ERI Reading, attended the 23rd Conference of the European Society for Cognitive Psychology held in Porto, Portugal, 6-9 September, where she gave the lecture: ERP signatures of the processing of logos: colour beats orthography in the symposium "Word and sentence reading coordinated by Professor Jonathan Grainger. He also participated in the online conference "Words in the World International Conference" held from 1 to 3 December. The conference brings together psycholinguistic, neurolinguistic and computational research on the representation and processing of words in the mind and brain. Some of the papers presented are Deciphering the Intricacies of (Misspelled) Logotype Identification via Event-Related Potentials



(Melanie Labusch, Manuel Perea, Francisco Rocabado, Maria Fernández-López, Ana Marcet, Marta Vergara) Does word rotation influence access to a word meaning? (Hussein Mehmet, Teresa Civera, Eva E. Gutierrez-Sigut, Marta Vergara); Examining the electrophysiological signature of interletter spacing on visual word recognition: An ERP study (Teresa Civera, Marta Vergara, Manuel Perea).

Gemma Lluch has participated in the following scientific activities:



(1). «Les censures en la LIJ: quan el poder té por a la inclusió», XV Congrès d'Educació Josep Lluís Bausset. Ajuntament de l'Alcúdia i Cefire de Xàtiva, setembre. <https://www.youtube.com/live/atzGwb1ADV0?si=1s9FI44fjDTuRMnn>

(2). «La(s) censura(s) en la LIJ: cuando el poder tiene miedo a la inclusión», Seminario Internacional 2023. Literatura Infantil y Juvenil para (re)evolucionar el mundo, Centro cultural de España en Santiago y el Ministerio de las Culturas, las Artes y el Patrimonio de Chile. Santiago de Chile. Agosto

<https://www.cultura.gob.cl/plan-lectura/grandes-reflexiones-al-cierre-del-seminario-sobre-literatura-infantil-y-juvenil-de-la-rm/>

(3). "Les transformacions en la lectura i els reptes de les biblioteques", VI Jornades sobre la Biblioteca Escolar organitzades pel Cefire d'Elx, 25 de novembre 2023. [https://cefire.edugva.es/sfp/index.php?seccion=edicion&id=11347689&usuario=formacion&id\\_ioma=va](https://cefire.edugva.es/sfp/index.php?seccion=edicion&id=11347689&usuario=formacion&id_ioma=va)

Within the framework of the conference "Las pruebas de la Educación", Luis Ramos participated in October in Bilbao (Faculty of Education of the University of the Basque Country) with a paper entitled: "Variables facilitating reading comprehension. Analysis of the real experience of an educational centre"

(<https://youtu.be/Z9Lrbc2uBQ0?si=UBSwi93rGeqeOWwK>).





Varios miembros de la ERI-Lectura asistieron en agosto a la *20th bianual conference of the European Association for Learning and Instruction* en Tesalónica. Together with Lidia Altamura, he participated in the e-LADDA conference on "Advances in the Study of Language Development and Literacy Learning in the Digital Age", Porto, October 2023.



Inma Fajardo presented the project "Atypical: Looking to understand"



(PID2022-139189NB-I00 / UV-INV\_AE-2660591) at the MRC Cognition and Brain Sciences Unit (University of Cambridge) <https://www.mrc-cbu.cam.ac.uk/> in order to receive scientific feedback from a steering group of this centre.

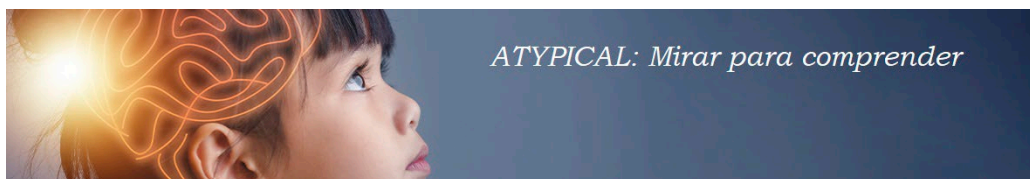
Finally, our colleagues Inmaculada Fajardo and Xavier Mínguez-López, together with Tzina Kalogirou, have edited the monograph on "Empirical Research in Reading and Literary Education" in the "Journal of Literary Education". The articles are available in open access at:

<https://ojs.uv.es/index.php/JLE/>

### Research projects awarded

The following research projects have been awarded in this period:

- 1) Auditory-visual integration during speech and its relation to reading acquisition in Neurodevelopmental Disorders (ATYPICAL)(PID2022-139189NB-I00 / UV-INV\_AE-2660591). Awarded by the Ministerio de Innovación y Ciencia to the team formed by Inmaculada Fajardo, Vicenta Ávila, Nadina Gómez-Merino, Patricia Pérez-Fuster, Antonio Ferrer, Carlos Domingo, Mario Figueroa, Barbara Arfé, Holly Joseph.



- 2) ORAL AND WRITTEN LANGUAGE COMPREHENSION IN NEURODEVELOPMENTAL DISORDERS (CIAICO/2022/223). Awarded by the Generalitat Valenciana (Convocatoria CIAICO 2022) to the team formed by Inmaculada Fajardo, Vicenta Ávila, Nadina Gómez-Merino, Patricia Pérez-Fuster, Antonio Ferrer, Mario Figueroa, Barbara Arfé, Laura Gil, Ladislao Salmerón.

## ERI Activities

Two workshops have been organised in this semester:

- 1) Workshop on "Data transformations on qualitative and quantitative variables" Dr. Sławomir Pasikowski (Faculty of Educational Sciences, University of Lodz).
- 2) Workshop on "Longitudinal experimental designs and models: A single case approach" Dr. Jimmie Leppink – Hospital virtual Valdecilla, Santander, Cantabria, Spain



In the framework of the ERI Talks, during this semester, the following have participated:

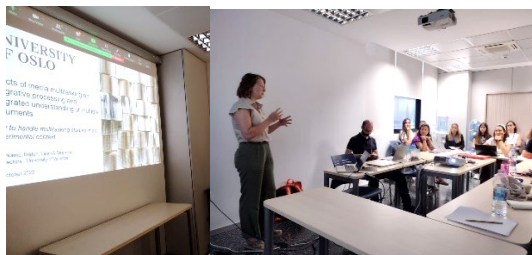
- 1) *Mario Romero*: "Differences in grey matter volume associated with screen use in young adults "

<https://ir.uv.es/9rnZBMH>



- 2) *Ymkje Haverkamp*: "Effects of multimedia multitasking on integrative processing and integrated comprehension of multiple documents: How to approach multitasking studies in an experimental context?"

<https://ir.uv.es/5NmVWhE>



- 3) *Philipp Marten*: "Qapito in practice: How effective training materials in strengthening resistance to misinformation in the school context?" <https://ir.uv.es/NQUI02y>



are

- 4) *Simone van der Maeden*: "Teaching practices in the language and literature classroom: The effectiveness of the use of digital devices and the role of the reading format perceived by students." <https://ir.uv.es/MH0GBWF>



### Training and Transfer

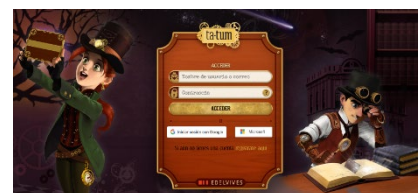


Inma Fajardo participated in the periodic talks of the Master's Degree in Cognitive and Behavioural Neuroscience and the Mind, Brain and Behaviour Research Centre (CIMCYC) of the University of Granada with a talk entitled: "How adults with and without deafness process idioms" <https://masteres.ugr.es/neurocg/en/information/news/talk-dr-inmaculada-fajardo> . She also participates in the LECTIN Network, a project for the promotion of reading in groups with

reading diversity coordinated by the Laboratory of Diversity, Cognition and Language of the University of Seville with David Saldaña and Isabel de los Reyes Rodríguez as directors: [https://institucional.us.es/labdicole/?page\\_id=1043](https://institucional.us.es/labdicole/?page_id=1043) . Inma Fajardo, Vicenta Ávila and Nadina Gómez gave an informative talk on the "Atypical: Looking to understand" project at the Mira'm Foundation. In addition, collaboration agreements have been signed with the associations Fundación Asindown and Fundació Mira'm- (Foundation for Students with ASD).

Marian Serrano-Mendizábal gave the conference "From research to the classroom: what we know about reading skills and how to improve them" at the 15th Conference on the promotion of reading and writing, organised by CEFIRE in Xàtiva.

Marian Serrano-Mendizábal, Gemma Lluch and Cristina Vargas have signed a contract with EDELVIVES publishing house to provide advice and technical support on the development of the Ta-Tum 2.0 reading platform.





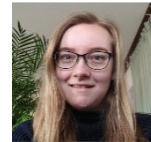
### Visiting lecturers and stays

Our PhD student Teresa Civera Barrachina has made a short stay at the "Center for Music in the Brain" of the Aarhus University in Denmark, in collaboration with Professor Boris A. Kleber.

In addition, we have received the following students and researchers:



- Ymkje Elisabeth Haverkamp - Department of Education, university of Oslo, September-December 2023



- Simone van der Maeden, Maastricht University, September-December 2023



- Philipp Marten, University of Bochum, november 2023.



- Daniela Paoletti, LUMSA Università, november 2023 - april 2024.



- Gaia Spicciarelli, PhD Student @ Brain, Mind and Computer Science Dipartimento di Psicologia dello Sviluppo e della Socializzazione. Università degli Studi di Padova. Septiembre 2023-Diciembre 2023.



- Yiyan Yıldırım, Yaşar University (Turkey) Septiembre 2023- March 2024

### Communication

This semester we have had the opportunity to appear in numerous media to explain the results of three articles derived from the latest project Screen Reading in Primary and Secondary Classrooms: Multimethod studies (AEI)

1. Salmerón, L., Vargas, C., Delgado, P., & Baron, N. (2023). Relation between digital tool practices in the language arts classroom and reading comprehension scores. Reading and Writing, 36, 175-194.

#### RTVE

<https://www.rtve.es/play/videos/la-aventura-del-saber/aventura-del-saber-19-09-23/6971240/>



Levante-emv

<https://www.levante-emv.com/comunitat-valenciana/2023/10/08/meter-pantallas-clase-destroza-comprension-lectora-92662283.html>

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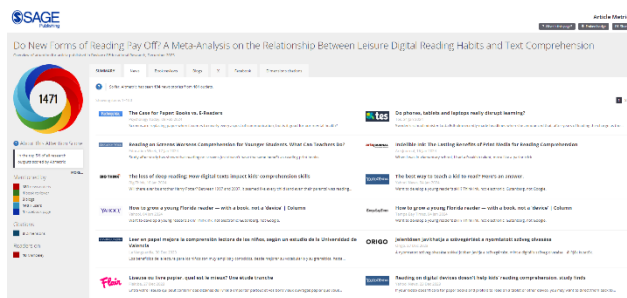
<https://www.tb.no/skole-ipad-lesing-pa-skjerm-svekker-leseforstaelsen/o/5-76-2158111>

- 1) Salmerón, L., Altamura, L., Delgado, P., Karagiorgi, A. & Vargas, C. (2024). Reading comprehension on handheld devices versus on paper: A narrative review and meta-analysis of the medium effect and its moderators. *Journal of Educational Psychology*.

<https://www.techlearning.com/news/study-students-who-read-print-learn-more-than-those-who-read-tablets>

<https://theeconomyofmeaning.com/2023/10/18/a-new-round-paper-versus-the-screen-paper-beats-reading-on-handheld-devices/>

- 2) Altamura, L., Vargas, C., & Salmerón, L. (2024). Do new forms of reading pay off? A meta-analysis on the relationship between leisure digital reading habits and text comprehension. *Review of Educational Research*



The results of this study have appeared in dozens of media outlets around the world, such as La Sexta or Swedish public TV, Swedish public radio, Forbes magazine, or the newspapers La Vanguardia, Levante, The Guardia or Corriere de la Sera. The list of media can be found at:

<https://sage.altmetric.com/details/157424116/news>