



Institute of  
Language, Communication  
and the Brain



## The 8<sup>th</sup> annual meeting of the Society for the Cognitive Science of Culture

Venue: Le Cube, 29 Av. Robert Schuman, 13100 Aix-en-Provence, France

### Wednesday, 22nd April 2026

13h00-13h50 Registration & Coffee

13h50-14h00 **Opening remarks**

Thomas Lachmann (President Society for the Cognitive Science of Culture)

Chotiga Pattamadilok (Local Organizer)

14h00-15h00 **Keynote lecture: Prof. Usha Goswami, University of Cambridge, UK**

*Brain Beats: Cognitive Science and Cognitive Neuroscience of Rhythmic Language*

(Chair: Johannes Ziegler)

15h00-15h30 Coffee break

15h30-17h10 **Oral session A: Speech Processing and Dyslexia Across Languages**

(Chair: Johannes Ziegler)

**A.1:** Marielle Hababou-Bernson: *How linguistic background shapes neural tracking of the speech envelope*

**A.2:** Martin Le Guennec: *Variations and similarities of synchronization dynamics in Indian and French participants: The role of enculturation on isochronous rhythms*

**A.3:** Tania Fernandes: *Single-letter processing in developmental dyslexia: Still deviant after all these years!*

**A.4:** Johannes Ziegler: *Dyslexia across languages explained by universal cognitive deficits interacting with the orthography to be learned*

17h10-18h40 **Poster session (A1-A14) & Coffee break (see p.5)**

18h40 Reception & Drinks @ Le Cube, AMU

**Thursday, 23rd April 2026**

08h30 – 09h00 Coffee

09h00 – 10h00 **Keynote lecture : Prof. Patrick Lemaire, Aix-Marseille University, France**

*Mathematics across cultures: What can we learn about the role of culture on cognition?*

(Chair: Marieke Longcamp)

10h00–11h15 **Oral session B: How Culture Shapes Cognition: Number, Tools, and Music**

(Chair: Marieke Longcamp)

**B.1:** Varun De Castro: *Numeric cognition and the four-unit limit in the verbal arts of the world*

**B.2:** Chloé Bryche: *How do stone tools become culture? Invention and transmission in micro-societies.*

**B.3:** Clara James: *Music training as a powerful tool against cognitive aging in healthy and mildly impaired adults.*

11h15-11h45 Coffee break

11h45–13h00 **Oral session C: Cultural Symbols and the Brain: Reading and Visual Systems**

(Chair: Florence Bouhali)

**C.1:** Mirela Duranovic: *Spelling errors and handwriting fluency in children with dyslexia across Latin and Cyrillic scripts in a transparent orthography*

**C.2:** Melanie Labusch: *From cultural marks to neural codes: Investigating the neural basis of logotype recognition.*

**C.3:** Florence Bouhali: *Principles and mechanisms of neuronal recycling across cultural symbolic systems: what word and music reading reveal about the organization of ventral visual cortex.*

13h00–14h30 Lunch break

14h30–15h30 **Keynote lecture: Dr. Daniele Schön, Aix-Marseille University, France**

*Music as window into language processing and rehabilitation*

(Chair: Chotiga Pattamadilok)

15h30–16h45 **Oral session D: Reading Acquisition and Speech–Print Interactions**

(Chair: Chotiga Pattamadilok)

**D.1:** Tiphaine Caudrelier: *How Writing shapes how we hear a second language*

**D.2:** Chotiga Pattamadilok: *Reading acquisition and neural (re)organization: How does the Visual Word Form Area respond to speech?*

**D.3:** Agnieszka Dębska: *Learning to read increases print–speech convergence in IvOT: A longitudinal voxel-based study in children.*

16h45–17h15 Coffee break

17h15–18h30 **Oral session E: Cultural Symbols and the Brain: Writing and Orthography**

(Chair: Alexis Hervais-Adelman)

**E.1:** Teresa Civera Barrachina: *Is the visual system more adapted to letters than symbols? Assessing this through inter-character spacing.*

**E.2:** Sonia Kandel: *Languages use technology in different ways: A cross-linguistic French-Italian study of how orthographic depth modulates word writing dynamics in smartphone writing.*

**E.3:** Olga Solaja: *Beyond diacritics: Feature asymmetry in early orthographic processing in Serbian Cyrillic.*

18h30-19h30 **Poster session (B1-B12)** (see p.6)

19h45 Reception & Gala Dinner @ Le Pigonnet, Aix-en-Provence

**Friday, 24th April 2026**

9h00-10h00 **Keynote lecture: Prof. Helmut Leder**, University of Vienna, Austria

*Beauty as sensory pleasure?*

(Chair: Thomas Lachmann)

10h00-10h15 Coffee break

10h15–11h55 **Oral session F: Cognition in Social and Cultural Contexts**

(Chair: Thomas Lachmann)

**F.1:** Delphine Pins: *Hierarchical and culturally modulated social categorization of faces*

**F.2:** Laura Viviana Quintero Graetz: *Cultural Differences in Aesthetic Experience: A Multidimensional Study of Art Perception in Germany and Portugal*

**F.3:** Veeky Baths: *Validation and comparison of virtual reality and 3D mobile games for cognitive assessment* -

**F.4:** Falk Huettig: *The medium of mind*

11h55-12h00 **Closing remarks**

Johannes Ziegler (Local Organizer)

12h00-12h45 **Board meeting**

13h00 Business lunch

## Posters: Session A

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|-----|-----------------------|--|
| A1  | Shreya Kishor         | Broad and narrow patterns of adaptation to linguistic and cultural diversity: Development of an adaptability index   |
| A2  | Katarzyna Jednoróg    | Tracking rapid neural adaptation in dyslexia across early literacy   |
| A3  | Asaid Khateb          | The impact of semantic and phonological training on visual word recognition in Arabic: An event-related potential study<br><b>We regret that this poster cannot be presented due to travel restrictions</b>            |
| A4  | Chirag Chittar        | In search of (a) piece of mind: The quest to decipher whether theory of mind is consistent and a universal cognitive trait, or a plastic trait   |
| A5  | Emilia Kerr           | Meaning-specific neural alignment to words between interlocutors.  |
| A6  | Klara Spooren         | Development of reading-and spelling skills in prematurely born primary school children   |
| A7  | Yitong Zuo            | Neurophysiological mechanisms of optimized graphomotor performance in biculturals  |
| A8  | Ozkan Zeynep Gunes    | Toward a comprehensive account of literacy: Evidence from braille  |
| A9  | Francisca S.Rodriguez | Music Listening Intervention for People with Dementia  |
| A10 | Sophie Restoy         | From symbols to letters: Emergence of the transposition effect with decoding skills  |
| A11 | Anaïs Mercier         | The serendipity myth: An emergent product of social transmission?  |
| A12 | Reem Dallasheh Khatib | Spontaneous inner speech in multilinguals: Smartphone-based evidence of short and long-term effects on code-switching  |
| A13 | Aleksandar Bulajić    | Does the integration of play and learning in higher education affect creativity? Relations between creativity, creative reasoning, cognitive flexibility and learning styles among university students – a pilot study |
| A14 | Lisa Luther           | Valence perception of poetic justice differs between children growing up in Germany and France   |

B1	Daniel Nieto	Kinematic analysis of typing: Pipeline for tracking finger motion and analyzing typing styles.
B2	Elise Lefèvre	Is thalamic sub-cortical connectivity a primary predictor of dyslexia? Examining the mediating role of auditory skills and the impact of SES
B3	Hannah Gauditz	Effects of colored syllables in different stages of reading acquisition: evidence from eye movements and behavioral data
B4	Maaïke Smit	Speech processing in Dutch speaking pre-readers in Flanders at familial risk for dyslexia
B5	Thierry Chaminade	From mentalizing to society: Toward a neural account of the institutional stance
B6	Taznin Hussain	Noun bias as a fundamental strategy in language acquisition: A longitudinal study focusing on minimally verbal Assamese-speaking children diagnosed with autism.
B7	Priyanka Roy	An exploratory study of induced expectancy, beliefs, and sustained attention performance
B8	Gaëlle Alhaddad	Graphomotor preferences: Cultural or biomechanical determinants of directional biases?
B9	Inka Romero-Ortells Labrada	Do subtitles always "steal the show"? Language familiarity and social status modulate subtitle viewing
B10	Nina Stauffert	Can teaching overcome the opacity of the information transmitted in a micro-society paradigm?
B11	Maksim Likhanov	Spatial ability and Chinese language: is there a link?