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Curriculum

At the broadest level, I am interested in how such grounding mechanisms as the body, action, modality-specific systems, and environments (physical and social) affect the processing of concepts. I have two lines of research within this broad research theme. The first one investigates the embodiment of cognition with a focus on language processing and the second line is concerned with the role that embodied cognitive processes play in social interactions (i.e., social cognition).

Research Interests

Cognitive Science

Embodied Cognition

Language Comprehension

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord
2023/2024	1º	Research Seminar in Psychology - Advanced Methodologies		No
2022/2023	2º	Research Seminar in Psychology - Advanced Methodologies		No
2021/2022	2º	Research Seminar in Psychology - Advanced Methodologies		No
2019/2020	1º	Cognition & Emotion	Master Degree in Emotion Sciences; Master Degree in Science on Emotions; Master Degree in Artificial Intelligence;	No
2017/2018	1º	Perspectives & Theories of Emotion	Master Degree in Emotion Sciences; Master Degree in Psychology of Emotions; Master Degree in Science on Emotions;	No

Supervisions

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Anastasiya Vereha	Emotion simulation during language comprehension and the role of gender	--	Developing	ISCTE-IUL

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Manoella Rhoden do Amaral	Action-Sentence Compatibility Effect: The role of emotion	Portuguese	ISCTE-IUL	2022
2	Bruno Miguel Simões Saraiva	The influence of weight in simulation of color clarity	Portuguese	ISCTE-IUL	2021
3	Adriana Lourenço Ferreira	Relationship between color and weight in language comprehension processing	Portuguese	ISCTE-IUL	2021
4	Bruno Gago da Câmara Moura	Corporalized processes in the understanding of language: The influence of perceptual, motor, emotional states on understanding.	Portuguese	ISCTE-IUL	2020

Total Citations

Web of Science®	178
Scopus	200

Publications

• Scientific Journals

- Scientific journal paper

1	Vilaverde, R. F., Horchak, O. V., Pinheiro, A. P., Scott, S. K., Korb, S. & Lima, C. F. (N/A). Inhibiting orofacial mimicry affects authenticity perception in vocal emotions. <i>Emotion</i> . N/A
2	Horchak, O. V. & Garrido, M. V. (2024). Language comprehenders are sensitive to multiple states of semantically similar objects. <i>Journal of Memory and Language</i> . 135
3	Reggin, L. D., Gómez Franco, L. E., Horchak, O.V., Labrecque, D., Lana, N., Rio, L....Vigliocco, G. (2023). Consensus paper: Situated and embodied language acquisition. <i>Journal of Cognition</i> . 6 (1) - Times Cited Google Scholar: 3
4	Souza, C., Garrido, M. V., Horchak, O. V., Barahona-Correa, J. B. & Carmo, J. C. (2023). The distinctive pattern of declarative memories in autism spectrum disorder: Further evidence of episodic memory constraints. <i>Journal of Autism and Developmental Disorders</i> . 53 (8), 3012-3022 - Times Cited Google Scholar: 2
5	Garrido, M. V., Farias, A. R., Horchak, O. V. & Semin, G. R. (2023). The spatial grounding of politics. <i>Psychological Research</i> . 87 (1), 84-95
6	Horchak, O. V. & Garrido, M. V. (2022). Simulating background settings during spoken and written sentence comprehension. <i>Psychonomic Bulletin and Review</i> . 29 (4), 1426-1439 - Times Cited Web of Science®: 2 - Times Cited Scopus: 5 - Times Cited Google Scholar: 6
7	Souza, C., Garrido, M. V., Horchak, O.V. & Carmo, J. C. (2022). Conceptual knowledge modulates memory recognition of common items: The selective role of item-typicality. <i>Memory and Cognition</i> . 50, 77-94 - Times Cited Web of Science®: 7 - Times Cited Scopus: 7 - Times Cited Google Scholar: 11
8	Horchak, O.V. & Garrido, M. V. (2021). Dropping bowling balls on tomatoes: representations of object state-changes during sentence processing. <i>Journal of Experimental Psychology: Learning, Memory, and Cognition</i> . 47 (5), 838-857 - Times Cited Web of Science®: 7 - Times Cited Scopus: 10 - Times Cited Google Scholar: 13
9	Horchak, O.V. & Garrido, M. V. (2020). Explicit (not implicit) attitudes mediate the focus of attention during sentence processing. <i>Frontiers in Psychology</i> . 11 - Times Cited Web of Science®: 2 - Times Cited Scopus: 2 - Times Cited Google Scholar: 4

10	<p>Landy, J. F., Jia; M., Ding, I. L., Viganola, D., Tierney, W, Dreber, A....Crowdsourcing Hypothesis Tests Col (2020). Crowdsourcing hypothesis tests: making transparent how design choices shape research results. <i>Psychological Bulletin</i>. 146 (5), 451-479</p> <p>- Times Cited Web of Science®: 78</p> <p>- Times Cited Scopus: 90</p> <p>- Times Cited Google Scholar: 162</p>
11	<p>Horchak, O. V. & Garrido, M. V. (2020). Is complex visual information implicated during language comprehension? The case of cast shadows. <i>Cognitive Science</i>. 44 (7), 1-30</p> <p>- Times Cited Web of Science®: 3</p> <p>- Times Cited Scopus: 3</p> <p>- Times Cited Google Scholar: 5</p>
12	<p>Godinho, S., Garrido, M. V. & Horchak, O. V. (2019). Oral approach avoidance. <i>Experimental Psychology</i>. 66 (5), 355-360</p> <p>- Times Cited Web of Science®: 11</p> <p>- Times Cited Scopus: 11</p> <p>- Times Cited Google Scholar: 16</p>
13	<p>Horchak, O. V., Giger, J.-C. & Garrido, M. V. (2016). Action contribution to competence judgments: the use of the journey schema. <i>Frontiers in Psychology</i>. 7</p> <p>- Times Cited Web of Science®: 11</p> <p>- Times Cited Scopus: 8</p> <p>- Times Cited Google Scholar: 14</p>
14	<p>Horchak, O. V., Giger, J.-C. & Pochwatko, G. (2014). Discourse comprehension and simulation of positive emotions. <i>Psicológica</i>. 35 (1), 17-37</p> <p>- Times Cited Scopus: 1</p> <p>- Times Cited Google Scholar: 9</p>
15	<p>Horchak, O. V., Giger, J.-C. & Pochwatko, G. (2014). Simulation of metaphorical actions and discourse comprehension. <i>Metaphor and Symbol</i>. 29 (1), 1-22</p> <p>- Times Cited Web of Science®: 13</p> <p>- Times Cited Scopus: 16</p> <p>- Times Cited Google Scholar: 20</p>
16	<p>Horchak, O.V., Giger, J.-C., Cabral, M. & Pochwatko, G. (2014). From demonstration to theory in embodied language comprehension: A review. <i>Cognitive Systems Research</i>. 29-30, 66-85</p> <p>- Times Cited Web of Science®: 44</p> <p>- Times Cited Scopus: 47</p> <p>- Times Cited Google Scholar: 77</p>

• Conferences/Workshops and Talks

- Talk

1	<p>Horchak, O.V. & Garrido, M. V. (2023). Representation of object state-changes of semantically similar objects. The 45th Annual Meeting of the Cognitive Science Society (CogSci).</p>
2	<p>Horchak, O.V. & Garrido, M. V. (2021). Toward a deeper understanding of the role of perceptual context in language comprehension. <i>Embodied and Situated Language Processing 2021: Current Directions and Future Perspectives</i>.</p>
3	<p>Horchak, O.V. & Garrido, M. V. (2021). Lightness and darkness are mentally represented during language processing. 43rd Annual Meeting of the Cognitive Science Society.</p>

4	Horchak, O.V. & Garrido, M. V. (2020). Are mental representations of object shape always quickly updateable during language comprehension? . 42nd Annual Virtual Meeting of the Cognitive Science Society.
5	Horchak, O.V. & Garrido, M. V. (2019). Language comprehenders also mentally represent the deformed shapes of objects. The Twelfth Embodied & Situated Language Processing (ESLP) and Attentive Listener to the Visual World (Attlis) Joint Conference.