

Curriculum Vitae**Stephen Ramanoël**Associate professor (MCF), Psychology, Cognitive Neuroscience, Sport Sciences
LAMHESS, University of Côte d'Azur

Last name: RAMANOËL
 First name: Stephen
 Date of birth: 09/07/1986
 Nationality: French
 Marital status: PACS, three children
 Address: xxxxxxxxx, France
 Contact: stephen.ramanoel@univ-cotedazur.fr ; +3xxxxxxxxxx ; ORCID-ID: 0000-0003-4735-1097

CURRENT POSITION:

2020- Associate Professor, Laboratoire Motricité Humaine Expertise Sport Santé, Nice, France
 2020- Associate Researcher, Vision Institute-Sorbonne University, Paris, France

PREVIOUS POSITIONS & TRAINING:

2020-2020 Postdoctoral fellow at Genève University (UNIGE), Switzerland
 2016-2020 Postdoctoral fellow Vision Institute-Sorbonne University, Paris, France
 2012-2015 PhD, Laboratoire de Psychologie et NeuroCognition, UGA, Grenoble, France
 2011-2012 Internship at the Institut des Sciences Cognitives CNRS, Bron, France
 2009-2010 Internship at Sport en Environnement Social, UGA, Grenoble, France
 2008-2009 Internship at Kinesiology Center, Université de Montréal, Canada

ACADEMIC APPOINTMENTS & EDUCATION:

2024- Habilitation à diriger des Recherches (HDR)
 2020- Associate professor (MCF), Psychology, Cognitive Neuroscience, Sport Sciences
 2020-2021 DU – Enseigner à l'Université, UCA, Nice, France
 2012-2015 PhD in Cognitive Sciences, Psychology & NeuroCognition
 2011 MSc in Cognitive Sciences, UGA, Grenoble, France
 2009 MSc in Sport Sciences, UDM, Montreal, Canada & UGA, Grenoble, France
 2007 BSc in Sport Sciences, UPPA, Tarbes, France

BIOSKETCH

I completed a first Master's degree in Sport Sciences at the *University of Grenoble*, France, and a second Master's degree in Cognitive Sciences at the *Institut National Polytechnique de Grenoble*. I then worked as a research engineer on functional magnetic resonance imaging (fMRI) in monkeys at the *Neurosciences Cognitive Center* (Lyon, France) for one year. In 2015, I obtained my PhD in Cognitive Sciences from the *University of Grenoble Alpes* under the supervision of Carole Peyrin (LPNC) and Michel Dojat (GIN). My thesis focused on the study of perception and cognition in the human brain using psychophysics and neuroimaging approaches. More specifically, I investigated (i) the retinotopic organization of spatial frequency processing in the visual cortex and (ii) the brain plasticity in normal and pathological aging (aged-related macular degeneration) using fMRI associated with retinotopic mapping. In addition, my thesis included methodological developments linked to the acquisition and the processing of fMRI data for clinical applications. In February 2016, I joined the Aging in Vision and Action laboratory at the *Vision Institute* in Paris as a postdoctoral fellow. I studied the impact of healthy aging on the cerebral bases of visual processing and spatial cognition using fMRI. In 2020, I realized a short postdoctoral internship at *Genève University* to investigate the cerebral bases of the need of autonomy. I recently joined the *University Côte d'Azur* as an associate professor of Psychology, Cognitive Neuroscience and Sport Sciences. My current research focuses on the impact of healthy aging on the cerebral bases subtending visual processing and spatial cognition. The methodological approach is highly interdisciplinary, bringing together clinical, psychophysical, behavioral assessments and movement analyses as well as neuroimaging paradigms and virtual reality. I am also very interested in advanced MRI and EEG data processing (pre-processing and statistical modelling) as well as optimization methods.

Keywords. Visual perception, spatial cognition, visuospatial abilities, rehabilitation, Virtual reality, fMRI, MVPA, EEG, mobile-EEG, Healthy Aging, AMD patients, Retinotopic mapping.

ACADEMIC AND SCIENTIFIC RESPONSABILITIES

- 2024- Co-supervision Licence APAS, UniCA, Nice
- 2023 Organization of the International Conference IN-AGING, Nice (70 persons)
- 2022- Supervision of the axis "*Sciences Cognitives et Computation*", MSHS, UniCA, Nice
- 2022- Co-supervision "*Open-Science*", LAMHESS, UniCA, Nice
- 2022- Member of the Laboratory Council, LAMHESS, UniCA, Nice
- 2022- Recommender of PCI in Health & Movement Sciences
- 2021- Co-supervision of the scientific axis Functional Autonomy and Aging, LAMHESS, UniCA, Nice
- 2021- Co-supervision "*Animation-Scientifique*", LAMHESS, UniCA, Nice
- 2021- Scientific committee of the axis "*Sciences Cognitives et Computation*", MSHS, UniCA, Nice
- 2021- Scientific board of XR2C2 axe structurant, IDEX, UniCA, Nice
- 2020 Piloting Committee of the 74th section (STAPS), UniCA, Nice
- 2020- Supervision L3 Pro SVAPA, Santé Vieillessement et Activités Physiques Adaptées, UniCA, Nice
- 2016- Supervision of the scientific axis NeuroImaging for the Agind in Vision and Action lab, IDV, Paris
- 2016-2018 Supervision of Authorization files for Research (CPP, ANSM) for fMRI protocols in healthy aging
- 2015-2016 Member of organizing committee "*Fête de la Science – Cerveau et Lumière*", UGA, Grenoble
- 2014-2015 Member of organizing committee "*European Meeting of Neurosciences*", GIN, Grenoble
- 2012-2014 Scientific staff for "*Fête de la Science*", "*Semaine du Cerveau*" and "*Lucie en tête*"

SCIENTIFIC EXPERTISE

- 2023 Member of the scientific evaluation committee Research Networks Program in Quebec (FRSQ)
- 2022- Member of the scientific evaluation committee for Idex projects (UniCA)
- 2022- Scientific evaluation for several PhD thesis committees (Paris, Toulouse, Nice, etc.)
- 2016- Scientific evaluation for journal: *Human Brain Mapping*, *Brain Topography*, *Aging Brain* etc.

RESEARCH MOBILITY

- 2023-2024 Hosting in the BeMobil lab of the Technical University of Berlin (October 2023 and March 2024)
- 2023- Hosting in the COGNAC research group of the Université du Québec à Trois-Rivières (July) Erasmus+

TEACHING ACTIVITIES

- 2024- Master 2 Biologie, UniCA, UE "*Neurophysiology of Aging*", 2H (EQTD)
- 2022- Master 2 Psychologie, UniCA, UE "*Nouvelles recherches sur le vieillissement*", 30H (EQTD)
- 2021- Master 2 Psychologie, UniCA, UE "*Neuroplasticité et approches thérapeutiques*", 15H (EQTD)
- 2021- Master 1 STAPS APAS, UniCA, UE "*Vieillessement normal et pathologique*", 30H (EQTD)
- 2021- Master 1 Psychologie, UniCA, UE "*Neuropsychologie et Neuroplasticité*", 15H (EQTD)
- 2021- Licence 3 Pro SVAPA, UniCA, UE "*Outils d'entraînement cognitif*", 30H (EQTD)
- 2020- Master 2 Neurosciences, Sorbonne Univ, UE "*Mémoire et Navigation spatiale*", 2H (EQTD)
- 2020- Licence 3 Pro SVAPA, UniCA, UE "*Mémoire-Cognition*", 76H (EQTD)
- 2020- Licence 3 Pro SVAPA, UniCA, UE "*Communication*", 80H (EQTD)
- 2020- Licence 2 APAS STAPS, UniCA, UE "*Psychologie : motivation et émotion*", 90H (EQTD)
- 2020- Licence 1 LAS, UniCA, UE, "*Psychologie des APSA*", 120H (EQTD)
- 2022- Licence 1, UniCA, UE, "*Psychologie des APSA*", 60H (EQTD)
- 2016-2019 Licence 2 APAS STAPS, UGA, UE "*Neurosciences des APS*", 67H (EQTD)
- 2012-2015 Licence 1 STAPS, UGA, UE "*Neurosciences Cognitives*", 58H (EQTD)
- 2012-2015 Licence 1 STAPS, UGA, UE "*Psychologie des APS*", 32H (EQTD)
- 2012-2015 Licence 1 STAPS, UGA, UE "*Informatique*", 21H (EQTD)

SUPERVISION OF PhD STUDENTS (n=5)

- 2024-2027 Maud SAULAY-CARRET (co-supervisor with Dr. Corveleyn – doctoral grant EUR-Neuromod, UniCA)
- 2024-2027 Antonin DURET (co-supervisor with Dr. Sheynikhovich & Pr. Vallée – CIFRE grant, Siemens)
- 2022-2025 Clement NAVEILHAN (co-supervisor with Pr. Zory – doctoral grant NeuroMod – UniCA)
- 2021-2024 Maëli VIVION (co-supervisor with Pr. Mathy – ANR PRC SPATVERB - UniCA)
- 2019-2022 Marion DURTESTE (co-supervisor with Dr. Arleo - Alzheimer's Research Foundation doctoral grant)

SUPERVISION OF GRADUATE & UNDERGRADUATE STUDENTS (n=16)**MASTER 2 (n=20)**

2025	Marc SICARD (M2 Recherche, UniCA, Activités Physiques Adaptées)
2025	Pan WEI TUNG (M2 Recherche, Univ Bordeaux et Univ Taiwan, Sciences Cognitives)
2025	Rémi KONAN (M2 Recherche, UniCA, Activités Physiques Adaptées)
2025	Anthony AVEILLAN (M2, 3 months, UniCA, Master Neuropsychologie et Psychopathologie Cognitive)
2025	Emma FABBRI (M2, 3 months, UniCA, Master Neuropsychologie et Psychopathologie Cognitive)
2024	Maud SAULAY-CARRET (M2 Recherche, UniCA, Master Sciences Cognitives)
2024	Emma FABBRI (M2, 3 months, UniCA, Master Neuropsychologie et Psychopathologie Cognitive)
2023	Kateryna PIRKOVETS (M2 Recherche, UniCA, Institut de Recherche en Informatique et Automatisme)
2023	Maud SAULAY-CARRET (M2 Recherche, UniCA, Master Neuropsychologie et Psychopathologie Cognitive)
2023	Florian MARCHAND (M2 Recherche, UniCA, Master Entraînement Optimisation Performance Sportive)
2022	Ilham HOURRA (M2, 2months, UniCA, Master Psychologie Développement, Apprentissage, Education)
2022	Clément NAVEILHAN (M2 Recherche, UniCA, Activités Physiques Adaptées)
2022	Thissas BENKAROUN (M2 Recherche, UniCA, Modeling for Neuronal and Cognitive Systems)
2022	Emma SAPOVAL (M2 Recherche, CogMaster, Sorbonne-ENS-University College London)
2022	Emilie BANKS (M2 Recherche, UniCA, Master Psychologie)
2021	Louise VAN POUCKE (M2 Recherche, Euro-mediterranean Master in Neurosciences)
2021	Chloé DAGHER (M2 Recherche, Paris Descartes)
2019	Marion DURTESTE (M2 Recherche, CogMaster, Sorbonne-ENS-University College London)
2018	Marine LE PETIT (M2 Recherche, Sorbonne University)
2017	Elizabeth YORK (M2 Recherche, CogMaster, Sorbonne-ENS-University College London)

MASTER 1 (n=14)

2025	Claudia HIDALGO (M1, 3 months, UniCA, Master Neuropsychologie et Psychopathologie Cognitive)
2024	Carine AYAD (M1, 3 months, UniCA, Modeling for Neuronal and Cognitive Systems)
2023	Emma FABBRI (M1, 3 months, UniCA, Master Neuropsychologie et Psychopathologie Cognitive)
2023	Anthony AVEILLAN (M1, 3 months, UniCA, Master Neuropsychologie et Psychopathologie Cognitive)
2022	Barbara BRESSIA (M1, 3 months, UniCA, Master Activités Physiques Adaptées)
2022	Louna FOURMEAU (M1, 3 months, UniCA, Master Neuropsychologie et Psychopathologie Cognitive)
2022	Ilham HOURRA (M1, 2 months, UniCA, Master Développement, Apprentissage, et Education)
2022	Golzar ATEFI (M1, 2 months, UniCA, Modeling for Neuronal and Cognitive Systems)
2021	Victor PERROT (M1, 2 months, UniCA, Master Sciences Cognitives)
2021	Emma MASSY (M1, 2 months, Sorbonne Université)
2018	Nicolas ROSSIGNOL (M1, 2 months, Ecole Polytechnique Fédérale de Lausanne, Suisse)
2017	Alice BIZEUL (M1, 6 months, Ecole Polytechnique Fédérale de Lausanne, Suisse)
2017	Nita VALIKODATH (medical internship, 2 months, Michigan University)
2015	Laura MARSHALL (medical internship, 1 month, Boston University)

AWARDS, HONORS, GRANTS & COMPETITIONS (PI: principal investigator)

2024	RIPEC-3 award for research excellence
2024	AAPG ANR-2024 Young Researcher – Project MOTORAGE – not retained in the final selection phase.
2024	AAP EUR-HEALTHY – Project MOBIVIE-ESPACES, Univ. Côte d'Azur – PI (24K €)
2023	AAPG ANR-2023 Young Researcher – Project MOTORAGE – not retained in the final selection phase.
2023	AAP EUR-HEALTHY – Project PROMENAD TDAH neuroimagerie, Univ. Côte d'Azur – Coll (19K €)
2023	AAP Académie 2 System Complex – Booster-Junior – Research project MoBI-Aging – PI (22.1K €)
2023	AAP XR2C2 Extended Reality – Material for the Research project MoBI-Aging – PI (2.0K €)
2023	AAP Académie 5 “Scientific Event: Organization IN-AGING international conference” – PI (2.9K €)
2022	Collaborator to the awarded ANR-PRC grant SPATVERB (WP Neuroimaging) – Coll (285K €)
2022	NeuroMod Institute doctoral grant (PhD. Thesis of Clément NAVEILHAN).
2022	AAP EUR-HEALTHY « bases cérébrales processus de spatialisation », Univ. Côte d'Azur – PI (9K €)
2022	AAP NeuroMod “fMRI spatialization verbal Memory”, Univ. Côte d'Azur – PI (5K €)
2022	AAP Académie 5 “Spatialisation en mémoire de travail”, Univ. Côte d'Azur – Coll (14K €)
2022	AAP Cofund Académie 5, Doctorant Region PACA, Univ. Côte d'Azur – PI (15K €)
2022	AAP FRIS “fMRI Device” Univ. Côte d'Azur – PI (2K €)

- 2022 Crédits Scientifiques Incitatifs (CSI) - iBINGO - Univ. Côte d'Azur - PI (22K €)
- 2021 Collaborator to the awarded ANR Research JCJC – Creative3D – WP-Behavior & Attention- (261K €)
- 2021 AAP NeuroMod « looking inside the box », Univ. Côte d'Azur – PI (13K €)
- 2021 AAP Académie 5 «Vision-EEG-Navigation», Univ. Côte d'Azur – PI (4.9K €)
- 2021 Crédits Scientifiques Incitatifs (CSI) – NAV-VISION - Univ. Côte d'Azur - PI (7K €)
- 2021 APP FRIS, Univ. Côte d'Azur – Coll (1.8K €)
- 2019 Alzheimer's Research Foundation doctoral grant (PhD. Thesis Marion DURTESTE)
- 2019 Collaborator to the awarded ANR Research Chair Silversight II (WP NeuroImaging)
- 2019 Qualification to the functions of *Maître de Conférences* of Psychology
- 2019 Qualification to the functions of *Maître de Conférences* of Sport Sciences (STAPS)
- 2017 Best Poster Award: *Neuroscience Workshop Saclay: Neural Circuit and Behavior*
- 2016 Qualification to the functions of *Maître de Conférences* of Neurosciences
- 2016 Thesis Award: *Société française de résonance magnétique en biologie & médecine*
- 2015 Best Poster Award, 2015: *Société française de résonance magnétique en biologie & médecines*

Publication List

Stephen Ramanoël

Associate professor (MCF), Psychology, Cognitive Neuroscience, Sport Sciences
LAMHESS, Université Côte d'Azur

INTERNATIONAL JOURNALS (n=24) - the * correspond to Master or PhD students supervised

1. Naveilhan, C*, Saulay-Carret, M*, Zory, R., **Ramanoël, S.** (2024). Spatial contextual information modulates affordance processing and early electrophysiological markers of scene perception. *Journal of Cognitive Neuroscience*, DOI: https://doi.org/10.1162/jocn_a_02223.
2. Daumas, L., Zory, R., Junquera-Badilla, I., Ferrandez, M., Robert, P., Sacco, G., Ettore, E., Manera, V†, **Ramanoël, S†** (2023). How does apathy impact exploration-exploitation decision-making in older patients with neurocognitive disorders? *Npj Aging*, DOI: [10.1038/s41514-023-00121-5](https://doi.org/10.1038/s41514-023-00121-5). † shared last-autorship.
3. Durteste, M*, Van Poucke, L*, Combariza, S., Benziene, B., Arleo, A†, **Ramanoël, S†**. (2023). The vertical position of visual information conditions spatial memory performance in healthy aging. *Communication Psychology*; doi.org/10.1038/s44271-023-00002-3. † shared last-autorship
4. **Ramanoël, S.**, Habas, C., Arleo, A. (2023) Consensus Paper: Cerebellum and Ageing – section: Cerebellum, Healthy Aging and Spatial Navigation section. *Cerebellum*. doi.org/10.1007/s12311-023-01577-7.
5. Robert, F., Wu, H-Y., Sassatelli, L., **Ramanoël, S.**, Gros, A., Winckler, M. (2023). **Best Paper Award**. An integrated framework for understanding multimodal embodied experiences in interactive virtual reality. ACM International Conference on Interactive Media Experiences (IMX), Nantes, France, Research Article. dl.acm.org/doi/10.1145/3573381.3596150.
6. Ftaïta, M., Vivion, M*, Banks, E., Guida, A., **Ramanoël, S.**, Fartoukh, M., Mathy, F. (2023). Optimized experimental designs to best detect spatial positional association of response codes in working memory. *Attention, Perception & Psychophysics*. 10.3758/s13414-023-02666-9
7. Bécu, M., Sheynikhovich, D., **Ramanoël, S.**, Tatur, G., Ozier-Lafontaine, A., Authié, NC., Sahel, JA., Arleo, A. (2023). Landmark-based spatial navigation across the human lifespan. *eLife*. doi.org/10.7554/eLife.81318
8. **Ramanoël, S†**, Durteste, M†*, Bizeul, A*, Ozier-Lafontaine, A., Bécu, M., Sahel, AJ., Habas, C., Arleo, A. (2022). Selective neural coding of object, feature, and geometry spatial cues in humans. *Human Brain Mapping*. doi.org/10.1002/hbm.26002. † = co-first authors.
9. **Ramanoël, S.**, Durteste, M*, Perot, V*, Habas, C., Arleo, A. (2022). An appraisal of the role of the neocerebellum for spatial navigation in healthy aging. *The Cerebellum*. doi.org/10.1007/s12311-022-01389-1
10. **Ramanoël, S.**, Durteste, M*, Delaux, A., de Saint Aubert, A., Arleo, A. (2022). Future trends in brain aging research: Visuo-cognitive functions at stake during mobility and spatial navigation. *Aging Brain*, vol.2. doi.org/10.1016/j.nbas.2022.100034
11. **Ramanoël, S†**, Allard, R†, Silvestre, D., Arleo, A. (2021). Variance-dependent neural activity in an involuntary averaging task. *Attention, Perception & Psychophysics*. doi: 10.3758/s13414-020-02223-8. † = co-first authors
12. Delaux, A*, de Saint-Aubert, JB., **Ramanoël, S.**, Bécu, M., Gehrke, L., Klug, M., Chavarriaga, R., Sahel, JA., Gramann, K., Arleo, A. (2021). Mobile brain/body imaging of landmark-based navigation with high-density EEG. *European Journal of Neuroscience*. doi:10.1111/ejn.15190
13. **Ramanoël, S.**, Durteste, M*, Bécu, M., Habas, C., Arleo, A. (2020). Differential brain activity in regions linked to visuo-spatial processing during landmark-based navigation in young and healthy older adults. *Frontiers in Human Neuroscience*, 14, 440. doi: 10.3389/fnhum.2020.552111
14. Agathos, C., **Ramanoël, S.**, Bécu, M., Bernardin, D., Habas, C., Arleo, A. (2020). Cognitive-motor interference among older adults navigating in a real environment: behavioural indicators and neuroanatomical correlates. *Frontiers in Aging Neuroscience*, 12:588653. doi: 10.3389/fnagi.2020.588653
15. **Ramanoël, S.**, York, E*, Le Petit, M*, Lagrené, K., Habas, C., Arleo, A. (2019). Age-related differences in functional and structural connectivity in spatial navigation brain network. *Frontiers in Neural Circuits*, 13, 69. doi: 10.3389/fncir.2019.00069
16. **Ramanoël, S.**, Hoyau, E., Kauffmann, L., Renard, F., Pichat, C., Boudiaf, N., Krainik, A., Jaillard, A., Baciú, M. (2018). Gray matter volume and cognitive performance during normal aging. A voxel-based morphometry study. *Frontiers in Aging Neuroscience*, 10, 235. doi: 10.3389/fnagi.2018.00235
17. **Ramanoël, S.**, York, E*, Habas, C. (2018). Participation of the caudal cerebellar lobule IX to the dorsal attentional network. *Cerebellum and Ataxia*, 5(1), 9. doi: 10.1186/s40673-018-0089-7

18. **Ramanoël, S.**, Chokron, S., Ruxandra, H., Kauffmann, L., Chiquet, C., Krainik, A., Peyrin, C. (2018). Age-related macular degeneration changes the processing of visual scenes in the brain. *Visual Neuroscience*, 35. doi: 10.1017/S0952523817000372
19. Peyrin, C., **Ramanoël, S.**, Roux-Sibilon, A., Chokron, S., Hera, H. (2017). Scene perception in age-related macular degeneration patients: effect of spatial frequencies and contrast in residual vision. *Vision Research*, 130. doi: 10.1016/j.visres.2016.11.004
20. **Ramanoël, S.**, Kauffmann, L., Cousin, E., Dojat, M., Peyrin, C. (2015). Age-related differences in spatial frequency processing during scene categorization. *Plos One*, 10(8). doi: 10.1371/journal.pone.0134554
21. Kauffmann, L., **Ramanoël, S.**, Guyader, N., Chauvin, A., Peyrin, C. (2015). Spatial frequency processing in scene-selective cortical regions. *NeuroImage*, 112, 86-95. doi: 10.1016/j.neuroimage.2015.02.058
22. Kauffmann, L., **Ramanoël, S.**, Peyrin, C. (2014). The neural bases of spatial frequency processing during scene perception. *Frontiers in Integrative Neurosciences*, 8. doi: 10.3389/fnint.2014.00037
23. Musel, B., Kauffmann, L., **Ramanoël, S.**, Giavarini, C., Guyader, N., Chauvin, A., Peyrin, C. (2014). Coarse-to-fine processing of visual scenes within scene-selective cortex. *Journal of Cognitive Neuroscience*, 26(10). doi: 10.1162/jocn_a_00643
24. Wardak, C., **Ramanoël, S.**, Guipponi, O., Boulinguez, P., Ben Hamed, S. (2012). Proactive inhibitory control varies with task context. *European Journal of Neuroscience*, 36(11). doi: 10.1111/j.1460-9568.2012.08264.x

ARTICLES PREPRINTS, SUBMITTED, IN REVISION OR IN PREPARATION

1. Naveilhan, C., Zory, R., **Ramanoël, S.** (BioRxiv). Where do I go? Decoding temporal neural dynamics of scene processing and visuospatial memory interactions using CNNs. <https://doi.org/10.1101/2024.12.17.628860>
2. Attouh-Mensah, E.; BEL, J.-F.; El Ayoubi, K.; Boujut, A.; **Ramanoël, S.**; Perrochon, A. Neural Correlates of Exergame Interventions in Older Adults with or Without a Neurocognitive Disorder: A Systematic Review. *Preprints* 2024, 2024100965. <https://doi.org/10.20944/preprints202410.0965.v1>
3. Pirkovets, K*, Merveille, C., Robert, F., Gagliano, V., **Ramanoël, S.**, Gros, A., Wu, HU. (under review). Analyzing gaze behaviors in interactive VR scenes.
4. Vivion, M*, Guida, A., **Ramanoël, S.**, Mathy, F. (*PsyArXiv*). Spatial-positional association of response codes is modulated by the number of items in working memory. <https://doi.org/10.31234/osf.io/3z2gs>
5. Durteste, M*, Delaux, A., Ariztégui, A., Cottureau, B., Sheynikhovich, D., **Ramanoël, S.**, Arleo, A. (*BioRxiv*). Age-related disparities in oscillatory dynamics within scene-selective regions during spatial navigation. <https://doi.org/10.1101/2023.10.16.562507>
6. Durteste, M*, Liebi, L., Sapoval, E*, Delaux, A., Arleo, A., **Ramanoël, S.** (*BioRxiv*). Scene-selective regions encode the vertical position of navigationally relevant information in young and older adulthood. <https://doi.org/10.1101/2023.10.18.562731>
7. Naveilhan, C*, Delaux, A., Durteste, M*, Lebrun, J., Zory, R., Arleo, A., **Ramanoël, S.** (*BioRxiv*). Age-related differences in electrophysiological correlates of visuospatial reorientation <https://doi.org/10.1101/2023.11.22.568209>

DATA SETS, DATA PAPERS, OPEN SCIENCE (n=6)

1. Date and scripts related to the article Naveilhan et al., (*BioRxiv*). <https://osf.io/crne8/>
2. Wu et al., (*Submitted*). Exploring, walking, and interacting in virtual reality with simulated low vision: a living contextual dataset. *Scientific Data*.
3. Wu, HY., Robert, F*, Sassatelli, L*, Winckler, M., Gros, A., **Ramanoël, S.** (2023). CREATIVE3D multimodal dataset of user spatial navigation behavior in virtual reality. <https://zenodo.org/record/8269109>
4. Dataset and scripts related to the article Bécu et al., 2023, *eLife*. <https://osf.io/zhrk4/>
5. Dataset and scripts related to the article Durteste et al., 2023, *Commun. Psychology*. <https://osf.io/unby4/>
6. Dataset and scripts related to the article Ftaïta et al., 2023. *Attention, Perception & Psychophysics*. <https://osf.io/fam6g/>

INVITED SEMINARS (n=19)

- 2024 **Ramanoël, S.**, Spatial navigation as an integrative framework to investigate the perception-action loop in young and older adulthood. *Laboratoire de Psychologie et Neurocognition (LPNC)*, UGA, Grenoble, France
- 2024 **Ramanoël, S.**, Spatial navigation as an integrative framework to investigate the interactions between perception and actions in aging. *Seminars Master TransCOG*, UGA, Grenoble, France
- 2024 **Ramanoël, S.**, Méthode pour la recherche en IRMF à Nice. *MSHS-Sud-Est*. Nice, France

- 2024 Hui-Yin, W., Gros, A., **Ramanoël, S.**, Hayotte, M. Virtual reality for visual impairments and beyond. *Cycle de Conférences Handicap et Numérique Inria*, Nice, France.
- 2024 **Ramanoël, S.**, Spatial navigation as an integrative framework to study the interactions between perception and memory in aging. *Centre interfacultaire de gérontologie et d'études des vulnérabilités – Université de Genève*, Switzerland.
- 2024 **Ramanoël, S.**, Approche neurocognitive du rôle du vieillissement visuel sur les capacités de navigation spatiale. *Collectif Cognitif*, Paris, France.
- 2024 **Ramanoël, S.**, Why older adults don't look up? The impact of vertical coding biases from retina to scene-selective regions on spatial memory and reorientation capabilities in healthy aging. *Technische Universität Berlin, Scientific Colloquium*, Berlin, Deutschland
- 2024 **Ramanoël, S.**, Why older adults don't look up? The impact of vertical coding biases from retina to scene-selective regions on spatial memory and reorientation capabilities in healthy aging. *Laboratoire de Psychologie et Neurocognition (LPNC) UGA*, Grenoble, France.
- 2023 **Ramanoël, S.**, The cerebral correlates of visual perception and spatial navigation processing in healthy ageing. *Winter School Biology of Ageing*. Nice, France.
- 2023 **Ramanoël, S.**, Neuro-imagerie et Psychologie Cognitive. *Journée de Restitution des Projets de Recherche Interdisciplinaires de la MSHS-Sud-Est*. Nice, France.
- 2023 **Ramanoël, S.** Bases cérébrales du vieillissement visuel et cognition visuo-spatiale. *10 ans de la chaire SilverSight*, Paris, France.
- 2023 **Ramanoël, S.** Approche neurocognitive du rôle du vieillissement visuel sur les capacités de navigation spatiale. *Groupe de Recherche CogNAC*, Université du Québec à Trois-Rivières, Canada.
- 2022 **Ramanoël, S.** Spatial Navigation as a comprehensive and integrative framework to investigate how aging shapes daily life activities. *15-20 Hospital Clinical Neuroimaging*, Paris, France
- 2022 **Ramanoël, S.** Vieillesse et Navigation Spatiale : projets et perspectives d'intégration de l'IA dans les Sciences du Mouvement. Journée de Réflexion HEALTHY, Ecosystèmes des Sciences de la Santé et Intelligence Artificielle, Nice, France
- 2021 **Ramanoël, S.** The neural correlates of visuo-spatial information processing in healthy aging. The Smith-Kettlewell Eye Research Institute (SKERI), San Francisco, USA
- 2021 **Ramanoël, S.** Vieillesse et capacités de navigation spatiale : le rôle de la vision. *MSHS Sud-Est, Axe1 Sciences Cognitives et Computation*, Univ. Côte D'Azur, France
- 2021 **Ramanoël, S.** The neural correlates of visuo-spatial information processing in healthy and pathological aging. *BioVISION Group INRIA*, Nice Sophia-Antipolis, France
- 2019 **Ramanoël, S.** The neural correlates of visuo-spatial information processing in healthy aging. *LPNC, UGA* Grenoble, France
- 2018 **Ramanoël, S.** Age-related differences on brain structures involved in spatial navigation abilities and visual information processing. *SCALab*, Lille, France.
- 2017 **Ramanoël, S.** Apports de la NeuroImagerie en R&D dans l'étude du vieillissement visuel et cognitif. *Essilor International*. Paris, France

CONFERENCE ABSTRACTS, oral & poster (n=67) - the * correspond to Master or PhD students supervised

1. Vivion, M*, Guida, A., **Ramanoël, S.**, Mathy, F. (2024). Semantic content, concreteness and verbalization effects on spatialization in verbal working memory. *Psychonomic Society's 65th Annual Meeting*, New York City, USA.
2. Rocco, G., Delaire, E., **Ramanoël, S.**, Meste, O., Magnié-Mauro, M.N., Grova, C. Lebrun, J. (2024). Enhancing Cerebellar fNIRS/fMRI via Tailored Pipelines. *The Society for functional Near Infrared Spectroscopy (fNIRS)*, Birmingham, UK.
3. **Ramanoël, S.** Naveilhan, C*. (2024). Where is my body? Investigate the impact of motor aging on spatial cognition. 12th edition of the Geneva Aging Series (GAS), Geneva, Switzerland.
4. Saulay-Carret, M*, Corveleyn, X., **Ramanoël, S.** (2024). Behavioral and mobile EEG study of the effects of motor and cognitive aging on spatial abilities across spatial scales. 12th edition of the Geneva Aging Series (GAS), Geneva, Switzerland
5. Saulay-Carret, M*, Naveilhan, C*, Zory, R., **Ramanoël, S.** (2024). Investigating the neural correlates of the perspective taking combining mobile EEG and immersive virtual reality. *Annual Meeting of the NeuroMod Institute*, 3 & 4 July, Antibes, France.

6. Durteste, M*, Liebi, L., Sapoval, E*, Delaux, A., Sheynikhovich, D., Arleo, A., **Ramanoël, S.** (2024). Scene-selective regions encode the vertical position of navigationally relevant information in young and older adulthood. *Annual Meeting of the NeuroMod Institute, 3 & 4 July*, Antibes, France.
7. Naveilhan, C*, Saulay-Carret, M*, Zory, R., **Ramanoël, S.** (2024). Prior spatial knowledge influences the processing of navigational affordances and early electrophysiological markers of scene perception. *Annual Meeting of the NeuroMod Institute, 3 & 4 July*, Antibes, France.
8. Vivion, M*, Guida, A., Mondot, L., Mathy, F., **Ramanoël, S.** (2024). Shared cerebral bases for the recognition of visual and auditory information in the SPoARC effect. *Annual Meeting of the NeuroMod Institute, 3 & 4 July*, Antibes, France.
9. Naveilhan, C*, Saulay-Carret, M*, Zory, R., **Ramanoël, S.** (2024). Spatial contextual information modulates affordance processing and early electrophysiological markers of scene perception. *iNAV – International Navigation Symposium*, Merano, Italy.
10. Durteste, M*, Liebi, L., Sapoval, E*, Delaux, A., Sheynikhovich, D., Arleo, A., **Ramanoël, S.** (2024). Scene-selective regions encode the vertical position of navigationally relevant information in young and older adulthood. *iNAV – International Navigation Symposium*, Merano, Italy.
11. Naveilhan, C*, Zory, R., Gramann, K., **Ramanoël, S.** (2024). Mobile EEG: walking toward more ecological brain recordings. *Journée de l'école doctorale Sciences du Mouvement Humain*, Marseille, France.
12. Vivion, M*, Guida, A., Mathy, F., Mondot, L., **Ramanoël, S.** (2024). Représentation spatiale des informations visuelles et auditives en mémoire de travail. *Collectif COGNITIF*, Paris, France
13. Vivion, M*, Guida, A., **Ramanoël, S.**, Mathy, F. (2024). Spatialization and its link to working memory capacity. *International Workshop Relations between space, language, and numbers*, Tübingen, Deutschland.
14. Naveilhan, C*, Sauley-Carret, M*, Zory, R., **Ramanoël, S.** (2024). Electrophysiological neural correlates of navigational affordances processing during spatial reorientation. *GDR Vision*, Grenoble, France.
15. Durteste, M*, Liebi, L., Sapoval, E*, Delaux, A., Sheynikhovich, D., Arleo, A., **Ramanoël, S.** (2024). Scene-selective regions encode the vertical position of navigationally relevant information in young and older adulthood. *GDR Vision*, Grenoble, France.
16. Vivion, M*, Guida, A., **Ramanoël, S.**, Mathy, F. (2023). Does faster presentation pace hinder spatialization in working memory. *Psychonomic Society's 64th Annual Meeting*, San Francisco, USA.
17. **Ramanoël, S.**, Kachroum, M, Sheynikhovich, D. (2023). The role of visual cues and impact of aging on spatial navigation abilities. *20th Conference of the Academy of Neuroscience for Architecture (ANFA)*, San Diego, USA.
18. Vivion, M*, Guida, A., **Ramanoël, S.**, Mathy, F. (2023). Spatialization tested via the SPoARC effect is modulated by the number of items to be memorized in working memory. *23rd conference of the European Society for Cognitive Psychology (ESCP)*, Porto, Portugal.
19. **Ramanoël, S.**, Naveilhan, C*, Delaux, A., Durteste, M*, Saulay-Carret, M*, J., Zory, R., Arleo, A. (2023). How visual aging impacts spatial navigation abilities: a neurocognitive approach. *Towards Innovations in Ageing and Well-being, Ulysseus European University conference*, Nice, France.
20. **Ramanoël, S.** (2023), Age-related differences in the cerebral bases of visuo-spatial processing for spatial navigation. 11th edition of the Geneva Aging Series (GAS), Geneva, Switzerland.
21. Naveilhan, C*, Delaux, A., Durteste, M*, Lebrun, J., Zory, R., Arleo, A., **Ramanoël, S.** (2023). Electrophysiological markers of visuo-spatial processing decline during spatial orientation in aging. *Organization of Human Brain Mapping (OHBM)*, Montreal, Canada.
22. Durteste, M*, Liebi, LR., Sapoval, E*, Arleo, A†, **Ramanoël, S†.** (2023). The occipital place area encodes the vertical position of navigationally relevant information. *Organization of Human Brain Mapping (OHBM)*, Montreal, Canada. † = co-last authors.
23. Delaux, A., Durteste, M*, Ariztégui, A., Cottureau, B., **Ramanoël, S.**, Arleo, A. (2023). How aging of the Occipital Place Area impacts EEG correlates of spatial orientation. *Organization of Human Brain Mapping (OHBM)*, Montreal, Canada.
24. Naveilhan, C*, Delaux, A., Durteste, M*, Lebrun, J., Zory, R., Arleo, A., **Ramanoël, S.** (2023). Age-related differences in theta-alpha bands synchronization during spatial orientation. *Journées d'Etudes du Vieillissement (JEV), 29 et 30 juin*, Tours, France.

25. Dumas, L., Zory, R., Junquera-Badilla, I., Ferrandez, M., Ettore, E., Robert, P., Sacco, G., Manera, V†., **Ramanoël, S†.** (2023). Exploration-exploitation decision making and apathy in adults, healthy older adults and cognitive impairments. *Annual Meeting of the NeuroMod Institute, 28 et 29 June*, Antibes, France. † = co-last authors.
26. Pirkovets, K*, Merveille, C., Robert, F., Gagliano, V., **Ramanoël, S.**, Gros, A., Hui-Yin, W. (2023). Analysing Gaze Behaviors in Interactive VR Scenes. *Annual Meeting of the NeuroMod Institute, 28 et 29 June*, Antibes, France.
27. Naveilhan, C*, Delaux, A., Durteste, M*, Lebrun, J., Zory, R., Arleo, A., **Ramanoël, S.** (2023). Age-related differences in brain dynamic of visuo-spatial processing during reorientation. *Annual Meeting of the NeuroMod Institute, 28 et 29 June*, Antibes, France.
28. Naveilhan, C*, Delaux, A., Durteste, M*, Lebrun, J., Zory, R., Arleo, A., **Ramanoël, S.** (2022). Top-down modulation of brain visual coding of navigational affordances during spatial decision task. *17th International Conference for Young Researchers in Psychology (JSJC)*, Lille, France.
29. Durteste, M*, Van Poucke, L., Combariza, S., Benziene, B., Arleo, A†., **Ramanoël, S†.** (2022). The vertical position of visual information conditions spatial memory performance in healthy ageing. *17th International Conference for Young Researchers in Psychology (JSJC)*, Lille, France. † = co-last authors
30. Mathy, F., Vivion, M*, Ftaïta, M., Banks, E., Fartoukh, M., **Ramanoël, S.**, Guida, A. (2022). Optimal probing in experimental designs to best detect spatial positional association of response codes for visual vs. verbal information. *Psychonomic Society's 63rd Annual Meeting*, Boston, USA.
31. Rocco, G., Delaire, E., **Ramanoël, S.**, Meste, O., Magnié-Mauro, M.N., Grova, C., Lebrun, J. (2022). Densifying optodes montage to enhance cerebellar fNIRS. *The Society for functional Near Infrared Spectroscopy (fNIRS)*, Boston, USA.
32. **Ramanoël, S.**, Durteste, M*, Delaux, A., Habas, C., Arleo, A. (2022). The neural underpinnings of visual information processing for spatial navigation in healthy aging. *22nd conference of the European Society for Cognitive Psychology (ESCoP)*, Lille, France.
33. **Ramanoël, S.**, Vallet, G. (2022). *Symposium: Embodied cognition of aging: The sensorimotor and social contribution to cognition. 22nd conference of the European Society for Cognitive Psychology (ESCoP)*, Lille, France.
34. Vivion, M*, Ftaïta, M., **Ramanoël, S.**, Guida, A., Mathy, F. (2022). Spatialialization in working memory depends upon the number of items probed during a recognition task: the role of scanning items repetitively. *22nd conference of the European Society for Cognitive Psychology (ESCoP)*, Lille, France.
35. Corbel, C., Manera, V., **Ramanoël, S.**, Corveleyn, X., Robert, P. (2022). Evaluation of the feasibility of an exergame in minor neurocognitive disorders. *22nd conference of the European Society for Cognitive Psychology (ESCoP)*, Lille, France.
36. Durteste, M*, Van Poucke, L*, Combariza, S., Benziene, B., Arleo, A†., **Ramanoël, S†.** (2022). Spatial memory in healthy ageing is modulated by upper-lower visual field asymmetries. *Federation of European Neuroscience Societies (FENS)*, Paris, France. † = co-last authors
37. Delaux, A., Durteste, M*, Ariztégui, A., Benziene, B., **Ramanoël, S.**, Arleo, A. (2022). Functional implications of vertical coding biases in scene-selective regions on spatial orientation: evidence from source localized EEG recording. *Federation of European Neuroscience Societies (FENS)*, Paris, France.
38. Durteste, M*, Van Poucke, L*, Benziene, B., Arleo, A†., **Ramanoël, S†.** (2022). The vertical position of visual information influences memory in healthy aging. *Colloque des Jeunes Chercheurs en Sciences Cognitives (CJC-SCo)*, Paris, France. † = co-last authors
39. Rocco, G., **Ramanoël, S.**, Habas, C., Arleo, A., Meste, O., Magnié-Mauro, MN., Lebrun, J. (2022). When fNIRS meets fMRI to complement cerebellar exploration. *IEEE International Symposium on Biomedical Imaging (ISBI)*, Kolkata, India.
40. Agathos, P., **Ramanoël, S.**, Bécu, M., Bernardin, D., Habas, C., Arleo, A. (2021). Postural control interacts with spatial learning in older adults navigating in an ecological environment. *19^{ème} Congrès International de l'Association des Chercheurs en Activités Physiques et Sportives (ACAPS)*, Montpellier, France.
41. **Ramanoël, S.** (2021). Vieillissement et Autonomie : rôles de la vision sur la navigation spatiale. *Journée Interventions en Santé chez la Personne Agée (ISPA)*, Nice, France.
42. Delaux, A., De Saint Aubert, J.B., **Ramanoël, S.**, Bécu., Gehrke, L., Klug, M., Chavarriaga, R., Sahel, J.A., Gramann, K., Arleo, A. (2021). Mobile brain imaging of active landmark-based navigation using immersive virtual reality and high-density EEG. *49th Meeting of the European Brain and Behaviour Society*, Lausanne, Switzerland.

43. De Saint Aubert, J.B., Delaux, A., **Ramanoël, S.**, Bécu., Gehrke, L., Klug, M., Chavarriaga, R., Sahel, J.A., Gramann, K., Arleo, A. (2021). Cortical and behavioral correlates of active landmark-based navigation with high-density EEG. *International virtual meeting NeuroFrance*.
44. Durteste, M*, **Ramanoël, S.**, Bécu., Habas, C., Arleo, A. (2021). Differential brain activity in regions linked to visuo-spatial processing during landmark-based navigation in young and healthy older adults. *Journées d'Etudes du Vieillissement (JEV), 20 et 21 mai*, Lyon, France.
45. Durteste, M*, **Ramanoël, S.**, Bécu., Habas, C., Arleo, A. (2020). Age-related differences in brain regions linked to visuo-spatial processing during landmark-based navigation. *15ème Journée Scientifique des Jeunes Chercheurs en Psychologie*, Lille, France.
46. Bécu, M., Sheynikhovich, D., **Ramanoël, S.**, Tatur, G., Ozier-Lafontaine, A., Sahel, J.A., Arleo, A. (2020). Modulation of spatial cue processing across the lifespan: a geometric polarization of space restores allocentric navigation strategies in children and older adults. *In Interdisciplinary Navigation Symposium (iNAV)*.
47. Durteste, M*, **Ramanoël, S.**, Bécu., Habas, C., Arleo, A. (2020). Age-related differences in brain regions linked to visuo-spatial processing during landmark-based navigation. *Neuromatch 3.0*.
48. **Ramanoël, S.**, Durteste, M*, Bizeul, A*, Ozier-Lafontaine, A., Bécu, M., Rossignol, N*, Habas, C., Arleo, A. (2019). Distinct cerebral structures are involved in landmark- vs. geometry based spatial navigation. *Society for Neuroscience (SfN)*. Chicago, USA.
49. **Ramanoël, S.**, Durteste, M*, Bizeul, A*, Bécu, M., Habas, C., Arleo, A. (2019). Age-related differences in the neural bases of landmark versus geometric spatial cue processing. *Colloque International: Vieillissement, tours, contours et perspectives*, Tours, France.
50. Agathos, C., **Ramanoël, S.**, Bécu, M., Konogan, B., Bernardin, D., Arleo, A. (2019). Cognitive-motor interference in older adults while navigating in an ecological environment. *International Society of Posture & Gait Research (ISPGR)*. Edinburgh, Scotland.
51. Agathos, C.P., **Ramanoël, S.**, Bécu, M., Baranton, K., Bernardin, D., & Arleo, A. (2019) An alternative view of dual-tasking in older adults: cognitive-motor interference while navigating in an ecological environment. *Société Francophone Posture Équilibre et Locomotion (SOFPEL)*, Montreal, Quebec, Canada.
52. Bécu, M., Tatur, G., Sheynikhovich, D., **Ramanoël, S.**, Agathos, C., Ozier-Lafontaine, A., Arleo, A. (2018). Age-related preferences for geometric cues: when aging does not impair allocentric strategies. *Interdisciplinary Symposium on Spatial Cognition in Aging & Neurodegeneration (iSCAN)*. Magdeburg, Germany.
53. Bécu, M., Tatur, G., Sheynikhovich, D., **Ramanoël, S.**, Agathos, C., Arleo, A. (2018). Age-related preference for geometric cues during real-world navigation: behavioral and neuroimaging correlates. *In Interdisciplinary Navigation Symposium (iNAV)*, Mont-Tremblant, Canada.
54. **Ramanoël, S.**, York, E*, Lagrené, K., Habas, C., Arleo, A. (2017). Age-related changes in functional connectivity on scene processing and spatial navigation networks. *Neuroscience Workshop Saclay: Neural Circuit and Behavior (NeWS)*. Saclay, France.
55. **Ramanoël, S.**, Bécu, M., Tatur, G., Lagrené, K., Habas, C., Arleo, A. (2017). Age-related changes in spatial learning of a real environment and gray matter integrity. *Neuroscience Workshop Saclay: Neural Circuit and Behavior (NeWS)*. Saclay, France.
56. Peyrin, C., **Ramanoël, S.**, Ruxandra, H., Chiquet, C., Krainik, A., Chokron, S. (2017). Functional cerebral reorganization of visual scene processing in age-related macular degeneration. *NeuroFrance*. May, Bordeaux France.
57. **Ramanoël, S.**, Peyrin, C., Dojat, M. (2016). Vers une cartographie rétinotopique rapide des aires visuelles en IRMf. *Congrès National Imagerie du Vivant*, Paris, France.
58. **Ramanoël, S.**, Kauffmann, L., Cousin, E., Dojat, M., Peyrin, C. (2015). Age-related differences in spatial frequency processing during scene categorization. *Organization of Human Brain Mapping (OHBM)*, Hawaii, USA.
59. Kauffmann, L., **Ramanoël, S.**, Guyader, N., Chauvin, A., Peyrin, C. (2015). Spatial frequency processing within scene-selective cortical regions. *Organization of Human Brain Mapping (OHBM)*, Hawaii, USA.
60. **Ramanoël, S.**, Kauffmann, L., Guyader, N., Chauvin, A., Pichat, C., Dojat, M., Peyrin, C. (2014). Effect of RMS contrast normalization on the retinotopic processing of spatial frequencies during scene categorization. *Vision Science Society*, St Petersburg Beach, USA.
61. Kauffmann, L., Chauvin, A., Guyader, N., **Ramanoël, S.**, Peyrin, C. (2014). Does RMS contrast normalization impair coarse-to-fine processing of natural scenes? *Vision Science Society*, St Petersburg Beach, USA.
62. **Ramanoël, S.**, Kauffmann, L., Cousin, E., Dojat, M., Peyrin, C. (2014). Age-related differences in spatial frequency processing during scene categorization. *GDR Vision*, Lyon, France.

63. **Ramanoël, S.**, Kauffmann, L., Guyader, N., Chauvin, A., Pichat, C., Dojat, M., Peyrin, C. (2014). Effets de la normalisation de contraste RMS sur le traitement rétinotopique des fréquences spatiales dans la catégorisation de scènes. *5^{ème} Rencontres du Pôle Grenoble Cognition*.
64. Kauffmann, L., **Ramanoël, S.**, Guyader, N., Chauvin, A., Peyrin, C. (2014). Quand un contrôle devient un biais : effet de l'égalisation du contraste sur le traitement des fréquences spatiales. *5^{ème} Rencontres du Pôle Grenoble Cognition*.
65. Peyrin, C., Musel, B., Kauffmann, L., Guyader, N., Pichat, C., **Ramanoël, S.**, Chauvin, A. (2012), Coarse-to-Fine categorization of scenes within the parahippocampal place area. *Cognitive Neuroscience Society*, San Fransisco, USA.
66. Kauffmann, L., Musel, B., Chauvin, A., Guyader, N., Pichat, C., **Ramanoël, S.**, Le Bas, J. F., Peyrin, C. (2012), Dynamic scenes as an experimental tool to investigate the neural substrates of coarse-to-fine processing in scene perception. *Cognitive Neuroscience Society*, San Fransisco, USA.
67. Van Hoyer, A., **Ramanoël, S.**, Heuze, J.-P., Sarrazin, P. (2010), French validation of the behavioral regulation in sport questionnaire (BRSQ) by adolescents. *Proceedings of the Fourth International Conference on Self-Determination Theory* (p. 85). Ghent, Belgium.

DISSEMINATION THROUGHT SOCIETY (n=5)

1. Perte de mémoire spatiale, et si le déficit était (aussi) visuel ? (2023). Guide de la Vue. [LINK](#).
2. Perte de mémoire spatiale chez les personnes âgées : et si l'atteinte ne concernait qu'une partie du champ visuel ? (2023). Actu CNRS INSB. [LINK](#).
3. Les personnes âgées s'orientent aussi bien que les jeunes (2023). Actu Institut de la Vision Paris. [LINK](#).
4. Rôle du cervelet dans les capacités de navigation spatiale au cours du vieillissement. (2022). Actu Institut de la Vision Paris. [LINK](#).
5. Le vieillissement visuel modifie-t-il le sens de l'orientation ? (2020). Inserm Actualités [LINK](#).