

Virginie van Wassenhove



Cognition & Brain Dynamics

CEA, DRF/Joliot, NeuroSpin,

INSERM Cognitive Neuroimaging Unit (U1354)

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Biosketch

Dr. / Prof. Virginie van Wassenhove is a cognitive neuroscientist specializing in temporal cognition and multisensory perception. She heads the Cognition & Brain Dynamics lab. She earned her PhD in Neurosciences and Cognitive Sciences from the University of Maryland, College Park in 2004. Her doctoral work proposed a predictive coding framework for multisensory integration, focusing on the perception and cortical bases of audiovisual speech using psychophysics, EEG, MEG, and fMRI. She pursued postdoctoral research at UCSF, UCLA and Caltech, investigating topics including auditory timing and plasticity, time perception, gesture communication, and interpersonal interactions. From 2008 to 2017, she directed the NeuroSpin MEG center within Prof. Stanislas Dehaene's Cognitive Neuroimaging Unit. Appointed INSERM team leader in 2012, she founded the Cognition & Brain Dynamics, obtained her HDR in 2013 and became CEA Research Director in 2019. She is an associate member of LNC² (Subjectivity, Brain, and Viscera, ENS Paris), Academic Editor for the Journal of Cognitive Neuroscience and co-director of C-BRAINS.

Research

I am interested in temporal cognition (how brains orient and map events, in time) and multisensory integration (how brains integrate different sources of physical energies to assign meaning). I favor discoveries over innovations.

Teaching & Mentoring

I challenge one's thinking, debate concepts and data to help students construct thoughtful demonstrations of their own critical viewpoints. I have a keen interest in the history of a scientific idea and the evolutionary logic in the conception of brains and minds.

Appointments

- 2025 - **Associate Researcher**, ENS Paris, LNC², France.
- 2024 - **Senior Fellow**, CEA, DRF/Inst. Joliot, NeuroSpin, France.
- 2022 - **Research Director**, CEA, DRF/Inst. Joliot, NeuroSpin, France.
- 2012 - **Cognition & Brain Dynamics leader**, INSERM Cognitive Neuroimaging Unit, France.
- 2018 - 23 International Expert Senior, CEA, NeuroSpin, France.
- 2013 - 18 Expert Senior, CEA, NeuroSpin, France.
- 2008 - 17 Executive Director, NeuroSpin MEG, CEA, NeuroSpin, France.
- 2008 - 12 Associate Researcher, INSERM U992, France.

Education

- 2013 **HDR, Habilitation à Diriger des Recherches**, UPMC (Paris VI), France.
[Predictive structuring of events in time: implications for perception and cognition](#)
- 2005-08 Post-Doctoral Research Scholar, CALTECH, USA.
Implicit brain project (PI: Prof Shinsuke Shimojo)
- 2005-06 Post-Doctoral Research Scholar, UCLA, USA.
Implicit brain project (PI: Prof Shinsuke Shimojo, CALTECH)
- 2004-05 Post-Doctoral Research Scholar, UCSF, USA. *PI: Prof Sri Nagarajan*
- 2004 **PhD in Neurosciences & Cognitive Sciences** [Aug. 20th 2004] UMCP, College Park, USA.
[‘Analysis-by-synthesis’ in auditory-visual speech perception: a forward model of multisensory integration.](#) (Dir: Prof. David Poeppel, Advisor: Dr. Ken W. Grant.)
- 1998 B.Sc. [Dec. 20th 1998] in Neurosciences & Individualized Studies (GPA = 3.9/4.0), University of Maryland College Park, College Park, USA.

Professional Training

- 2025 Management kit
- 2024 Entretien annuel (1h30) ; Risque de Corruption et d’influence en entreprise (1h)
General Data Protection Regulation at CEA (2h); Certificate of Research and Scientific Integrity, CEA (3h); Certificate of Ethics of Research and Scientific Integrity, Univ. Paris-Saclay (1 day)
- 2023 ERC Synergy Grants, Univ. Paris-Saclay (1 day); Psychosocial risks, CEA (3h); Implicit Biases, NIH (3h)
- 2022 Gender inequalities in research, CNRS (3h)
- 2017 Communication and media training, INSERM (2 days)
- 2012 Team Management training, CEA, France (3 days)

Prizes

- 2023 Chevalier de l’Ordre du Mérite | Knight of the National Order of Merit.
[May 12th 2023] [Republican distinction by nomination only, that rewards distinguished merits during a public, civil or military function.](#)
- 2019 Jeunes Talents France-Chine, Ministère de la Recherche, France
- 2007 Initiative PostDoc, Académie des Sciences, Ministère de la Recherche, France

Grants & Awards

[~6 m€ for my team; ~12 m€ for the community]

- 2025 - 31 ERC SyG Grant, Chronology (Co-PI 6 yrs; 10 M€; co-PI: B. Bathelier, M. Jazayeri, S. Ostojic)
- 2024 - 25 CEA *Audace!*, Métatemps (PI 1 yr; 80 k€; co-PI: N. Faivre, T.W. Kononowicz)
- 2021 - 26 DIM C-BRAINS (5 yrs; 12 M€) Co-leadership with S. Picaud and J.-C. Poncez
[Community building in Neuroscience & Cognitive Science of the Ile-de-France region.](#)
- 2020 - 25 FETPROACT-EIC-07-2020 [Experience](#) (4 yrs, 760 k€; Total: 4.4 M€) Co-PI, WP2 Scientific Leader *Scientific Foundation for Extended Personal Reality*
- 2023 FOCUS Biomarker AMI, CEA (PI; 9k€ for a master internship)
- 2018 - 23 ANR PRCE [WildTimes](#) (PI; 5 yrs; 611 k€; SNCF, S. Morgani; IFSTTAR, V. Gyselinck)
- 2020 AAP Experimentation, Diagonale Saclay, [Eon](#) (PI; 10 k€, C. Debailleul & Cie 14 :20)
- 2019 - 21 ANR Flash meegBIDS.fr (1 yr; PI: A. Gramfort)
- 2017 - 19 DRF Impulsion Amont-Aval, Magnetbrain (1 yr; 60 k€; co-PI: M. Pannetier-Lecoœur)
- 2017 - 19 DRF Impulsion Amphybio (co-PI; 1 yr; co-PI: Etienne Klein)
- 2016 - 20 ANR [AutoTime](#) (co-PI; 200 k€, 4 yrs; co-PI: A. Giersch, J. Coull, V. Doyère)
- 2016 - 20 ANR [MultiFracs](#) (collaborator; 3.5 yrs; 350 k€; PI: P. Abry)
- 2016 - 19 FRM (collaborator; PI: A. Giersch)

Full CV. last update: 3/3/2026

- 2016 - 18 Fondation de France Neurostimulation (collaborator; PI: F. Poulet)
- 2015 - 16 IDEX NeuroSaclay NoTime (PI; 1 yr; 75 k€; co-PI: V. Doyère, A. Gramfort)
- 2011 - 17 ERC Starting Grant MindTime (PI; 5 yrs; 1.5 m€)
- 2010 - 16 ANR Jeunes Chercheuses BrainTime (PI; 4 yrs, 400 k€)
- 2010 - 14 Marie Curie IRG PredictiveNeuroSens (PI; 4 yrs; 100k€)
- 2009 NeRF (15k€)
- 2008 Gordon Ross Senior Post-Doctoral Fellowship, Caltech, USA.
- 2004 Fellowship Summer Institute in Cognitive Neuroscience, Dartmouth College, USA.
- 2003 Scholarship Mid-Atlantic Society for Biofeedback and Behavioural Medicine, USA.
- 2002 Summer Fellowship, Neurosciences & Cognitive Sciences, UMCP, USA.
- 2000 Eugene Clark Research Summer Fellowship, UMCP, USA.

Scientific Expertise

[~200h/year]

Grant Reviewer [$<20h/year$]

Alexander von Humboldt-Stiftung • European Research Council (ERC) • Agence Nationale pour la Recherche (ANR) • German Research Foundation (Deutsche Forschungsgemeinschaft; DFG) • Greek Funding Agency • Natural Sciences and Engineering Research Council of Canada (NSERC) • Netherlands Organisation for Scientific Research (NWO) • Israel Science Foundation (ISF) • Mairie de Paris • Netherlands Institute for Advanced Study in the Humanities and Social Sciences (NIAS) • Belgian Funding Agency • Wellcome Trust India Alliance • Wellcome Trust [...]

Editorial Boards [$<120h/year$]

- 2024 – **Advisory Board, JoCN Forum**
- 2020 - **Associate Editor, Journal of Cognitive Neuroscience** (MIT Press)
- 2020 - 23 Reviewing Editor, eLife
- 2019 Guest Editor, [Special Issue on Mental Models of Time](#), J Cogn Neurosci
- 2015 - 16 Associate Editor, J Exp Psychol: Human Perception and Performance
- 2014 - Editor, Timing & Time Perception Reviews
- 2014 Editor, Clef CEA Special Issue
- 2013 - Editor, Timing & Time Perception
- 2012 - 15 Editor, PLoS One
- 2012 - 13 Frontiers in Auditory Cognitive Neuroscience
- 2012 Guest Editor, Special Issue; Neuropsychologia; J. Coull & B. Coslett
- 2009 Guest Editor, Philosophical Transactions of the Roy Soc London-B; M. Wittmann
- 2006 Consulting Editor, Psychophysiology

Ad-hoc Reviewer International Peer-Reviewed Journals [$<60h/year$]

Nature Review Neuroscience • Annals of the New York Academy of Sciences • Cerebral Cortex • Cognition • Consciousness & Cognition • Current Biology • Journal of the Acoustical Society of America • Journal of Cognitive Neuroscience • Journal of Experimental Psychology: Human Perception and Performance • Journal of Neurophysiology • Journal of Neuroscience • NeuroImage • NeuroPsychologia • PLoS Biology • PLoS Computational Biology • Proceedings of the National Academy of Science • Proceedings of the Royal Society London B • Psychological Science • Quarterly Journal of Experimental Psychology • Scientific Reports • Science Advances Science • Trends in Cognitive Sciences • ...

Consulting in Cognitive Neuroscience

- 2023-24 French Minister of Army
- 2018 Proof-reading of the French Translation, Éditions Actes Sud.

Full CV. last update: 3/3/2026

- Hustvedt, Siri (2017). The delusions of certainty. Hachette UK.
2018 Jury member, “La Grande Conversation”, [Agence d’Architecture Pluridisciplinaire](#)
2015 Jury Best Illusion of the year contest
2010-14 COST Action Timely (Consulting Expert; PI: A. Vatakis)

Jury member of PhD & Habilitation defenses

[50h/year]

18 PhD juries; 8 PhD advisory boards; 5 Habilitation juries

HDR

- 2023 Jonas Ranft (ENS Paris, France)
2022 Mathilde Bonnefond (Lyon Univ., France)
2021 Luc Arnal (Sorbonne Univ., France)
2019 Benjamin Morillon (Univ Aix-Marseille, France)
2018 Céline Cape (Univ. Toulouse III Paul Sabatier, France)
2014 Marion Noulhiane (UPMC Paris, France)

PhD

- 2026 Examiner, Solène Leblond (Univ. Toulouse, France; Dirs.: R. Baures, C. Cappe)
2026 Rapporteur, Akanksha Gupta (Univ. Aix-Marseille, France; Dir: F. Féron)
2025 Reviewer, Francesca Bellotti (Sissa Univ., Italy; Dir. : D. Bueti)
2025 Reviewer, Evi Hendriks (Utrecht Univ., Netherlands; Dir. : B. Harvey)
2024 Reviewer, Nathalie Pavailler (Univ. Aix-Marseille, France ; Dir. B. Burle)
2024 President, Pierre Bonnet (Univ. Lyon, France; Dir. : A. Kösem)
2024 President, Bastien Perroy (EHESP, Institut Nicod, France; Dir. : R. Casati)
2023 Reviewer, Joost De Jong (Gröningen Univ, Netherlands; Dir.: Dr. E. Akyürek & Prof. Dr. H. VanRijn)
2023 President, Alexandre Delaux (Sorbonne Univ., France; Dir. : D. Sheynikhovich)
2022 Examiner, Mai-Carmen Requena-Komuro (UCL, UK ; Dir. : J. Warren)
2020 Examiner, Manuel Beiran (ENS, Paris Sorbonne ; Dir.: S Ostojic)
2020 Reviewer, Josephine Henke (LMU Munich, Germany; Dir.: V. Flanagan)
2019 Rapporteur, Aurélien Weiss (ENS Paris, France; Dir.: V. Wyart)
2019 Reviewer, Nadine Schlichting (Gröningen Univ, Netherlands; Dir.: H. VanRijn)
2019 Reviewer, Kelly Michaelis (Georgetown Univ, USA; Dir.: P. Turkeltaub)
2018 President. Ljubica Jovanovic (ENS, France; Dir.: P Mamassian)
2018 Rapporteur, Clément Abbatecola (ENS Lyon, France; Dirs. : K Knoblauch & H Kennedy)
2017 Examiner, Mariana Babo Rebelo (ENS Paris, France; Dir.: C Tallon-Baudry)
2016 President, Nara Ikumi (Universitat Pompeu Fabra, Spain; Dir.: S Soto-Faraco)
2016 Rapporteur, Brice Martin (Univ. Lyon, France ; Dirs : N. Franck & A. Giersch)
2016 Rapporteur, Anne-Sophie Dubarry (Univ. Aix-Marseille, France ; Dirs.: F.X. Alario & C. Bénar)
2014 Examiner, Alberta Ipser (City University London, UK; Dir.: E Freeman)
2013 Rapporteur, Olha Nahorna (Université de Grenoble, France ; Dir : JL Schwartz)
2011 Examiner, Laurence Lalanne (Université de Strasbourg, France ; Dir. : A Giersch)
2010 Examiner, Luc Arnal (ENS Paris, France; Dir.: A.-L. Giraud)
2010 Examiner, Eve Isham (Claremont Grad. Univ. California, USA; Dir.: W. Banks)
2010 Examiner, Hedwige Polovy CEA, UPMC, France; Dir.: M. Pannetier-Lecoer

Advisory boards

- 2025 - Eleonore Boucheraud (ED3C; Dir.: Pierre-Marie Lledo)

- 2024 - Cindy Zhang (ED3C; Dir.: Shihab Shamma)
- 2024 - Carlo Leto (ED3C; Dir.: Antoni Valero-Cabre)
- 2023 - 25 Solène Leblond (Paris Cité; Dir.: Céline Cappe)
- João Stefani Cardoso (Paris Cité; Dir.: Laura Dugué)
- Soufiane Jhilal (IdA; Dir.: Anne-Lise Giraud)
- Nicolas Decat (ICM; Dir.: Delphine Oudiette)
- 2022 - 25 Anthony Clément (ENS Paris; Dir.: C. Tallon-Baudry)
- 2021 - 23 Ljubica Cimeša (ENS, Paris Sorbonne; Dir: S Ostojic)
- 2018 - 22 Felipe Rolando (ENS Lyon, France; Dirs.: S. Wirth & J.-R. Duhamel)
- 2017 PhD examiner, Mariana Babo Rebelo (ENS Paris, France; Dir: C Tallon-Baudry)
- 2016 PhD advisory board, Ignacio Rebollo (FdV, Paris, France; Dir: C Tallon-Baudry)

Research direction & Mentoring

[100h/month]

15 postdoctoral fellows

16 PhD students (8 as mentor and director; 3 as co-director; 5 as advisor)

> 30 master students

Postdoctoral Research Fellows

- 2026 - **Alejandro Santos Mayo, *ERC Chronology***
- 2026 - **Laetitia Grabot, *ERC Chronology***
- 2024 - 26 **Nathalie Pavailler, *Audace Métatemps***
- 2023 - 25 Camille Grasso, *FET Experience*
- 2022 - 25 Matthew Logie, *FET Experience*
- 2022 Christina (Ji) Yin, *Researcher, Zhejiang Lab, Hangzhou, China*
- 2019 -22 William Vallet, *Researcher, CH Vinatier, Lyon*
- 2017 -18 Sophie K. Herbst, *CEA Researcher*
- 2016 -18 Daria La Rocca, co- w/ P. Ciuciu, P. Abry, *Data Scientist Thales, France*
- 2014 -19 Tadeusz W. Kononowicz, *CNRS Researcher, Polish Academy of Science, Poland*
- 2016 Denis Engemann, *Senior Scientist Roche, Basel, Switzerland*
- 2014 Anja Wuehle
- 2013 -16 Baptiste Gauthier, *Clinical Research Coordinator, Neufchatel, Switzerland*
- 2011 -13 Clémence Roger, *Maître de Conférence, Lille University, France*
- 2011 -13 Ramon M.G. Erra, *Professor Università di Padova, Italy*

PhD Students

- 2025 - **Dir., Raphaël Bordas (FIRE, ENS-PSL)**
- 2022 - **Dir., Mariana Lamprou Kokolaki (Biosigne, Univ. Paris-Saclay)**
- 2021 - **Dir., Yunyun Shen (Biosigne, Univ. Paris-Saclay; NYU Shanghai; Advisor: S. Herbst, 25%)**
- 2020 - 25 Dir., Anna Wagelmans (ED3C, Paris) [Cartographeur le temps dans le cerveau humain](#)
- 2019 - 24 Dir., Yvan Nédélec (ED3C, Paris) [How to best assess duration perception in the lab and the wild?](#)
- 2018 - 23 Co-Dir., Ignacio Polti (Dir: Christian Doeller, Kavli Inst, Norway; MPI Leipzig, Germany)
[Mapping the temporal regularities in sensorimotor cognitive maps](#)
- 2019 - 23 Dir., Harish Gunasekaran (co-dir: Sophie Herbst, ED3C, Paris), *Engineer ICM, Paris*
[Subjective recalibration and endogenous delta oscillations in humans](#)
- 2018 -22 Advisor, Pooja Prabhu (Raman-Charpak; 6 months fellowship)
- 2017 -21 Co-Dir., Sloane Paulcan (Dir: Valérie Doyère, Univ Paris-Sud)
[Bases neuronales du jugement d'ordre temporel chez le rat](#)
- 2017 Advisor, Elie Rassi (visiting student; Dir.: N. Weisz and W. Klimesch)
- 2017 Advisor, Renan Recio (visiting student; Dir.: A. Cravo and R. Carmago)
- 2014 -17 Dir., Benoît Martin (ED3C, Paris), *Scientific Manager, Parexel, France*

- 2013 -17 Dir., Laetitia Grabot (ED3C, Paris), *Postdoctoral Fellow with Laura Dugé (Univ. Paris)*
[Magnitudes in the human brain: independent processing of time, space and number](#)
[Implicit and explicit temporal order in the structuring of the conscious "now"](#)
- 2010 -14 Dir., Anne Kösem (INSTN, ED3C, Paris) INSERM Researcher
[Cortical oscillations as temporal reference frames for perception](#)
- 2010 -14 Co-Dir., Nicolas Zilber (Paris, Dir: Philippe Ciuciu) *Engineer Software Development, Amadeus IT group, Marseille, France.* [ERF and scale-free analyses of source-reconstructed MEG brain signals during a multisensory learning paradigm](#)
- 2012 -13 Advisor, Thiago Oliveira da Motta Sampaio (Sandwich Fellow, Univ. Rio de Janeiro, Brazil).
Professor, Inst. Language Studies, UNICAMP, Brazil.
- 2012 Advisor, Diana Omigie (visiting PhD Student) *Lecturer Goldsmiths, University of London, UK.*

Graduate (Master) & Undergraduate Students

- 2025 - Heloïse Didier (Tutor, ENS Paris)
Jake Costello (MI, ENS Paris) w/ Marianna Lamprou-Kokolaki
Rayan Safa (MI, ENS Paris)
Emilie Bringer (MII, CNN; Univ. Paris-Saclay) w/ Raphaël Bordas
Antonia Stukenbrock (MII, CNN; Univ. Paris-Saclay) w/ Toni Valero-Cabre (ICM)
- 2024 - 25 Rayan Safa (MI, ENS Paris)
Raphaël Bordas (MII, Univ. Paris-Saclay)
Amelie Halstenberger (Amsterdam Univ.) w/ Marianna Lamprou-Kokolaki
Jake Mainwaring (UCL-Sorbonne) w/ Yunyun Shen
Antoine Vaglio (CNN, HSB, Univ. Paris-Saclay) w/ Nathalie Pavailier
- 2023 - 24 Raphaël Bordas (MI, Univ. Paris-Saclay)
- 2022 - 23 Cindy Evellyn De Araujo Silva (CRI) w/ C. Grasso
- 2021 - 23 Raphaël Bordas (Univ. Paris-Saclay), Research Assistant
- 2021 - 22 Robert Hajjar (MII Univ. Paris-Saclay; w/ David Alexander); Mariana Lamprou Kokolaki (MII ENS Lyon); Anna Rhazafindrahaba (MII Univ. Paris-Saclay; w/ C. Yin); Andrés Torres Sánchez (MII Univ. Paris-Saclay; w/ L. Azizi)
- 2020 - 21 Cyril Nicolăi (CRI, Univ Paris Descartes, Paris) ; Yunyun Shen (MII, NYU Shanghai); Mariana Lamprou Kokolaki (MII BIP, Sorbonne Université) ; Aurélien Fauquier (MII BIP, Sorbonne Université; w/ W. Vallet) ; Raphaël Bordas (Univ ; Paris-Saclay) w/ L. Azizi; Anna Rhazafindrahaba (Univ. Paris-Saclay) ; Diane Sam-Mine (MI, Paris Univ; dir: Y. Nédélec)
- 2019 - 20 Anna Wagelmans (ENS Cogmaster II, Paris); Alexandru Terbea (MII, Univ Paris Descartes, ESPCI); Yunyun Shen (NYU Shanghai)
- 2019 Nikolas Chalas (ERASMUS Thelassonik University)
- 2018 - 19 Paul Berton (ENS Cogmaster II, Paris); Izem Mangione (MII Univ Bordeaux)
Yvan Nédélec (MII Univ Paris Descartes); Blandine Beirnaert (MII) w/ C. Lemaitre, SNCF ;
Dragana Manasova (MI Univ Paris Descartes) ; Anna Wagelmans (ENS Cogmaster I, Paris)
- 2017 - 18 Camille Lakhlifi (ENS Cogmaster II, Paris) w/ S. Morgagni, SNCF ; Ava Kiai (ENS Cogmaster II, Paris) w/ L.Melloni, MPI Frankfurt, Germany.
- 2015 - 16 Ignacio Polti (ENS Cogmaster II, Paris) ; Allan Mancoo (ENS Cogmaster II, Paris, PI: Sophie Denève)
- 2014 - 15 Ignacio Polti (ENS Cogmaster I, Paris) ; Hafiza Tajuddin (Télécom ParisTech, Paris)
- 2013 - 14 Benoît Martin (Paris V, MII) ; Arnaud Ferré (Rennes I, MII, Paris XI, PI: Valérie Doyère)
- 2012 - 13 Yousra Bekhti (UPMC ParisTech MII, Paris, PI: Alexandre Gramfort) ; Laetitia Grabot (Phelma II, Grenoble) ; Luca Iemi (UCL-ENS Cogmaster II, Paris) ; Lucille Lecoutre (ENS Paris, Cogmaster II) ; Milton Vendramini de Avila (ENS Paris Cogmaster I) ; Agnès Falco (ENS Paris, Cogmaster MI)
- 2011 - 12 Salim Kebache (ENS Cogmaster I, Paris) short internship
- 2011 Lucille Lecoutre (ENS Cogmaster I, Paris) ; Marianne Duyck (ENS Paris, Cogmaster II, Paris)
- 2010 - 11 Lukasz Grzeczowski (ENS Cogmaster II); Anna Lambrechts (ENS Paris - Cogmaster II) w/ Prof Walsh, UCL London
- 2009 - 10 Anne Kösem (ENSTA - ENS Cogmaster II, Paris, Funded by ENS-EDF); Brice Martin (Toulouse

- 2008 Psychiatry, Funded by the FRM)
2008 Summer Undergraduate Student Intern (AMGEN program), CALTECH, USA
François Griffon (ENS Cogmaster II, Paris), CALTECH, USA
2007 Visiting graduate medical student (Tokyo University, CALTECH, USA)
2005 Susan Duong (Berkeley undergrad, Cognitive Sciences, UCSF, USA)
2000 - 04 EEG, psychophysics for under/graduate students, UMCP, USA

Teaching

- 2025 Guest Lecturer, Son & Lumière, ENS Paris
Guest Lecturer, [Intertime2025: intertwined concepts of time](#), Porquerolles, France.
Guest Lecturer, Summer School, [Trieste Encounters in Cognitive Sciences](#). Trieste, Italy.
2017 - 22 Guest Lecturer, Le Temps. [ESPCI](#), Paris, France.
2020 Guest Lecturer : Univ. Inter-Ages Versailles, France.
2020 Guest Lecturer : Formation Arche, France, France.
2019 Guest Lecturer, [Adriatica International Summer School](#), Pescara, France.
2017 - 18 Guest Tutor, [Ecole Polytechnique](#) (PSC X2016, BIO INF 04F) .
2011 - 17 Professor, [Advanced Cognitive Neurosciences CA4 Graduate course](#), [ENS Paris](#), France.
2017 Guest Lecturer, Summer School, [Trieste Encounters in Cognitive Sciences](#). Trieste, Italy.
2014 Guest Lecturer, [Temps, Cerveau & Cognition](#). [Collège de France](#), Paris.
2013 Guest Lecturer, Neural basis of cognition. [ENS Lyon](#), France.
Guest Lecturer, Imaging Time School, Magdeburg, Germany.
2010 - 12 Guest Lecturer, Brain and Cognition. [Ecole Polytechnique](#), Paris, France.
2011 Guest lecturer, Ecole des Oscillations, ICM, Paris, France.
2010 Guest Lecturer, Non-invasive time-resolved MEG & EEG, ISBS, [CHU Mondor Créteil](#), France.
Guest Lecturer Language and Multisensory perception. [ENS Paris](#), France.
2009 Guest Lecturer Audition; Language; Multisensory perception. [ENS Paris](#), France.
2008 Guest Lecturer Multisensory perception, graduate course. [CALTECH](#), USA.
2007 Guest Lecturer, MEG, EEG & TMS techniques, Physics & Bioengineering graduate course.
[CALTECH](#), USA.
2005 MEG training for medical students, [UCSF](#), USA.
2003 Guest Lecturer, EEG Technique, graduate course. UMCP, USA.
2002 Guest Lecturer, Multisensory Integration, undergraduate course. UMCP, USA.
2000 Teaching Assistant, Human Anatomy and Physiology lab undergraduate course. UMCP, USA.

Community leadership, scientific strategies, & communication

[~200h/year]

- 2021 - 26 Co-Leadership of [C-BRAINS](#)**
2023 - 25 Board of Directors, Neurospin
2025 Comité de Sélection CPJ, Concours INRIA ISFP SHS 2025.
2024 Comité de Sélection 479, Université Paris Cité.
2022 Comité de Sélection CPJ, CNRS-CPJ-DIG-ED, Université Grenoble Alpes
2021 - 24 Expert member, [Institut Thématique Multi-Organisme \(ITMO\)](#) [France-wide strategy in neurosciences, cognitive sciences, neurology and psychiatry](#).
2021 - 23 Nominated Member, [Comité National du CNRS](#), Section 26, Cerveau, Cognition, Comportement. [France-wide recruitments and advancements of CNRS researchers in behavior and cognitive neuroscience](#).
2019 - 20 NeuroSpin MEG Director recruitment committee, CEA/NeuroSpin
2018 Member, College Ethique CEA, Rapport au Haut-Commissaire
2016 - 19 Member, [Ecole des Neurosciences Paris](#), Paris
2015 - 16 Member, Faculty recruitment committee, [ENS Paris](#), Paris

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- 2015 [ED3C Doctoral School](#) selection committee, Jussieu, Paris
- 2013 - 14 Organizer, NeuroSpin Monday Scientific talks, NeuroSpin
- 2013 [Destination Europe](#), European Commission, Washington DC, USA.
- 2012 - 16 Member, Executive Committee, [DIM Cerveau & Pensée](#)
- 2011 European Science Foundation Strategic Initiative, selective group workshop, [The Human Brain: from Cells to Society Strategic Report](#)
- 2010 - Member, Pedagogic Committee, [Cogmaster](#), ENS Paris
- 2010 - 12 Member, Management Committee, [COST Action Timely](#)
- 2009 - 13 Member, Comité de Pilotage, Institut Fédératif de Recherche
- 2008 - Member, Executive Committee, NeuroSpin, Gif s/ Yvette

Advocacy for Women in Science

[daily endeavor]

- 2023 Signature of the [ALBA Declaration on Equity & Inclusion](#)
- 2018 Active contribution and dissemination of database <https://www.winrepo.org/about/>
- 2016 - 18 Initiated the online open Women in MEG/EEG research repository
- 2012 Member of [Academia-Net](#) (by invitation), Outstanding Women Scientists, Initiative of Robert Bosch Stiftung, Spektrum and Nature.
- 2011 Member of [Elles en Sciences](#)
- 2011 1000 Ambassadrices pour les Sciences meeting, member of the women in science panel interacting with high-school female students. Initiative of Lucie Charles.

Public Awareness of Science & Media Coverage

[selected]

- 2025 [Horloge interne : on n'y comprend toujours rien](#)
Institut Universitaire de France, [Le Temps](#)
- 2025 [Comment ressentons-nous le temps ?](#), Polytechnique Insights
- 2023 Académie des Sciences, « Le cerveau secrète-t'il la pensée ? », Des clefs pour comprendre, https://youtu.be/l6Xhe_ojJOA
- 2021 - 22 [ÆON La Nuit des Temps, Cie 14 :20](#)
- 2019 [TimeWorld 2019](#), Cité des Sciences et de L'industrie, Paris, France <https://youtu.be/JNRxmCcJYjg>
- 2018 L'ère du temps, Université Cote d'Azur
- 2017 Binôme: [Une éternité](#) (2017) [Les sens des mots](#). Theater play, Première at the annual Festival d'Avignon, France.
[Pourquoi cherchez-vous ?](#) (2017) Artistic series short interviews by Geneviève Anhoury. [Illusions](#), Exploradôme, Vitry sur Seine
- 2016 Hebdén, S (2016) [How the brain manipulates time to give us our sense of now](#). *Horizon, EU Research & Innovation magazine*
- 2015 BBC Forum ["How long is now?"](#)
Spinney, L. (2015) Once upon a time. *New Scientist*, 225(3003), 28-31.
- 2014 Time, this arrow in our mind. Musée Olympique de Lausanne, Switzerland
Klein, E. & van Wassenhove, V. (2014) Le temps est-il un « cas de conscience » ? [CEA Clef](#), 62, 44-45.
- 2013 Huffington Post, [Cerveau : pourquoi le temps paraît parfois si long ?](#);
- 2012 TEDxParis Salon, [Le cerveau créateur de temps](#).
- 2011 Scientific American, [Why does time fly?](#)
- 2010 UniverScience, Debate w/ E. Klein: [Qu'est-ce qui fait durer le temps?](#)
iO9 blog. Interview w/ A. Newitz: [How do you know what time it is?](#)
- 2008 Scientific American Mind, Interview w/ C. Intagliata: [Competing clocks](#)
- 2005 Interview with Cliff Atkinson: [The science of face-to-face communication](#)

Scientific and organizing committees of international conferences

- 2026 Academic committee, BIOMAG 2026

- 2025 - 27 Organizing committee, Timing Research Forum (TRF5) 2027
- 2023 - 24 Organizing committee, GDR NeuralNet 2024
- 2023 Executive committee, Timing Research Forum (TRF4) 2025
- 2021 - 23 Executive committee, Timing Research Forum (TRF3) 2023
- 2018 - 21 Scientific committee, ICON 2020, Helsinki, Finland
- Scientific committee, BIOMAG 2020, Birmingham, UK
- 2018 - 19 Scientific committee, Timing Research Forum 2019 (TRF2), Mexico.
- 2018 Consulting scientist, Cognitive Science Society 2018.
- 2017 - 18 Scientific committee, BIOMAG 2018, Philadelphia, USA.
- 2016 Scientific Committee, Timing Research Forum (TRF1), Strasbourg, France.
- 2015 - 16 Scientific committee, BIOMAG 2016, Seoul, South Korea.
- 2010 - 12 Organizing and Scientific committees, BIOMAG 2012, Paris, France.

Symposium organizer at international venues

- 2025 Co-chair, *Beyond the Lab: Timing Perception and Cognition in Online and Mobile Environments*, TRF4, Tokyo 2024 (Chair: David Melcher)
- 2023 Co-chair, *Medial temporal lobe structures and their role in timing and time perception*, TRF3, Lisbon 2023 (co-chair: Ignacio Polti)
- 2022 Co-chair, *Episodic Time symposium*, FENS Paris (co-chair: Edvard Moser).
- 2022 Carte Blanche Lecture Series, Timing Research Forum. [Randy Gallistel, Bringing Bayes and Shannon to the study of behavioral and neurobiological timing and associative learning.](#)
- 2018 - 19 Organizer *TRF2 Timing Moonshot*, Mexico.
- 2019 *Mental models of Time*, CNS, San Francisco, USA.
- 2016 *Functional role of cross-frequency-coupling in the neurosciences of cognition*, BIOMAG 2016, Seoul, South Korea.
- 2013 *Multisensory Integration*, 11th Colloque Société des Neurosciences, Lyon, France.
- 2012 *Brain rhythms, temporal expectations and the awareness of time*, BIOMAG, Paris, France.
- 2010 Invited discussant, Constructed Time symposium, Neurobiology of Time Perception: from normality to dysfunction, EBBS Satellite, Seville, Spain.
- 2011 *Brain dynamics and conscious time session*, Time and the Conscious Brain, HWK, Delmenhorst, Germany.
- 2009 MEGLANG, co-organized with A. Bachach at NeuroSpin, France.
- 2007 *Models of Multisensory Integration* (co-organized with L. Shams and J. Jeka), COSYNE The Canyons, Utah, USA.

Open Science efforts from my research team

Applying FAIR & CARE principles

- 2020 - Active contributor to the [ENIGMA MEG working group](#)
- 2021 - [The Blursday international database](#)
Experimental tasks and questionnaires: <https://app.gorilla.sc/openmaterials/278096>
Database: <https://timesocialdistancing.shinyapps.io/Blursday/>
Documentation: <https://doi.org/10.17605/OSF.IO/359QM>
- 2018 - Active contribution to BIDS pipelines and open-source databases
[doi:10.18112/openneuro.ds003392.v1.0.4](https://doi.org/10.18112/openneuro.ds003392.v1.0.4)
[doi:10.18112/openneuro.ds003922.v1.0.1](https://doi.org/10.18112/openneuro.ds003922.v1.0.1)
- 2012 - Diverse contributions to MNE-python (consulting, hackathons)

Publications

[[google scholar](#)]

Peer-reviewed articles

1. **van Wassenhove, V.**, Kanter, B. R., Viganò, S., & Bordas, R. (2026). A Passage of Time Signal in the Human Brain. *eneuro*, 13(1).
2. Bordas, R., & **van Wassenhove, V.** (2026). Spontaneous oscillatory activity in episodic timing: an EEG replication study and its limitations. *eneuro*, 13(1). | [bioRxiv](#)
3. Herbst, S. K., Mangione, I., Segerie, C. R., Höchenberger, R., Kononowicz, T., Gramfort, A., & **van Wassenhove, V.** (2026). Alpha power indexes working memory load for durations. *iScience*, 29(1) <https://10.1016/j.isci.2025.114212> External Link | [bioRxiv](#)
4. Kwok, S. C., Lapate, R. C., Sakon, J. J., **van Wassenhove, V.**, Xue, G., Zheng, J. (2025). Neural representation of episodic time. *Journal of Neuroscience*, 45(46).
5. Jertberg, R., Soto-Faraco, S., **van Wassenhove, V.**, & Van der Burg, E. (2025). Temporal Window of Integration XOR Temporal Window of Synchrony. <https://doi.org/10.1163/22134808-bja10171>. | [PsyArXiv](#)
6. Mura F., Catrambone V., Valenza G., **van Wassenhove V.**, Mioni G. & Gentili C. (2025) Emotional Blunting and Time Estimation in Depression, *Biological Psychiatry Global Open Science*. doi: <https://doi.org/10.1016/j.bpsgos.2025.100626>. | [PsyArXiv](#)
7. Neri, F., Catrambone, V., Cinti, A., Scoccia, A., Benelli, A., Romanella, S., ... & Rossi, S. (2025). Individual alpha frequency tACS modifies the detection of space–time optical illusion. *Experimental Brain Research*, 243(10), 208.
8. Herbst, S. K., Mangione, I., Kononowicz, T. W., Shen, Y., & **van Wassenhove, V.** (2025). Abstracting time in memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
9. Runyun, Ş. L., **van Wassenhove, V.**, & Balci, F. (2024). Altered temporal awareness during Covid-19 pandemic. *Psychological Research*, 88(8), 2335-2345.
10. Wagelmans, A. M., & **van Wassenhove, V.** (2024). The day-of-the-week effect is resilient to routine change. *Memory & Cognition*, 1-12.
11. Valenza, G., Alcañiz, M., Carli, V., Dudnik, G., Gentili, C., Provinciale, J. G., ... & **van Wassenhove, V.** (2024). The EXPERIENCE Project Automatic virtualization of “extended personal reality” through biomedical signal processing and explainable artificial intelligence. *IEEE Signal Processing Magazine*.
12. Lamprou-Kokolaki, M., Nédélec, Y., Lhuillier, S., & **van Wassenhove, V.** (2024). Distinctive features of experiential time: Duration, speed and event density. *Consciousness and Cognition*, 118, 103635.
13. Nicolaï, C., Chaumon, M., & **van Wassenhove, V.** (2024). Cognitive effects on experienced duration and speed of time, prospectively, retrospectively, in and out of lockdown. *Scientific Reports*, 14(1), 2006.
14. **van Wassenhove, V.** (2023). Cracking the Neural Code of How the Brain Represents Time May Make the Dualistic Stance Obsolete. *Timing & Time Perception*, 1(aop), 1-9.
15. Azizi, L., Polti, I., & **van Wassenhove, V.** (2023). Spontaneous α Brain Dynamics Track the Episodic “When”. *Journal of Neuroscience*, 43(43), 7186-7197.
16. Vallet, W., & **van Wassenhove, V.** (2023). Can cognitive neuroscience solve the lab-dilemma by going wild?. *Neuroscience & Biobehavioral Reviews*, 105463.
17. Gunasekaran, H., Azizi, L., **van Wassenhove, V.**, & Herbst, S. K. (2023). Characterizing endogenous delta oscillations in human MEG. *Scientific Reports*, 13(1), 11031.
18. Polgári, P., Jovanovic, L., **van Wassenhove, V.**, & Giersch, A. (2023). The processing of subthreshold visual temporal order is transitory and motivation-dependent. *Scientific Reports*, 13(1), 7699.
19. Balci, F., Ünübol, H., Grondin, S., Sayar, G. H., **van Wassenhove, V.**, & Wittmann, M. (2023). Dynamics of retrospective timing: A big data approach. *Psychonomic Bulletin & Review*, 1-8.
20. Chalas, N., Omigie, D., Poeppel, D., & **van Wassenhove, V.** (2023). Hierarchically nested networks optimize the analysis of audiovisual speech. *iScience*, 106257.
21. Paulcan, S., Giersch, A., **van Wassenhove, V.**, & Doyère, V. (2023). Temporal order processing in rats depends on the training protocol. *Journal of Experimental Psychology: Animal Learning and Cognition*, 49(1), 31.
22. Polti, I., Nau, M., Kaplan, R., **van Wassenhove, V.**, & Doeller, C. F. (2022). Rapid encoding of task regularities in the human hippocampus guides sensorimotor timing. *Elife*, 11, e79027.

23. Chaumon, M., Rioux, P. A., Herbst, S. K., Spiouzas, I., Kübel, S. L., Gallego Hiroyasu, E. M., ... & **van Wassenhove, V.** (2022). The Blursday database as a resource to study subjective temporalities during COVID-19. *Nature Human Behaviour*, 1-13. [preprint doi:10.21203/rs.3.rs-1098637/v1](https://doi.org/10.21203/rs.3.rs-1098637/v1)
accompanying info: **van Wassenhove, V.**, Balci, F., Giersch, A., Gronfier, C., Herbst, S. K., Vatakis, A., ... Runyun, Ş. L. (2022, May 23). Blursday. <https://doi.org/10.17605/OSF.IO/359QM>
24. Micillo, L., Rioux, P. A., Cellini, N., **van Wassenhove, V.**, Grondin, S., & Mioni, G. (2021). Time Perspective predicts levels of Anxiety and Depression during the COVID-19 outbreak: A cross-cultural study. | PsyArXiv | PloS One
25. Pesnot Lerousseau, J., Parise, C., Ernst, M.O., **van Wassenhove, V.** (2022) Multisensory correlation computations in the human brain uncovered by a time-resolved encoding model. *Nature Communications*
26. Kononowicz, T.K., **van Wassenhove, V.**, Doyère V. (2022) Rodents monitor their error in self-generated duration on a single trial basis. *Proceedings of the National Academy of Sciences*, 119(9), e2108850119.
27. Grabot, L., Kayser, C., & **van Wassenhove, V.** (2021). Postdiction: when temporal regularity drives space perception through pre-stimulus alpha oscillations. *ENEURO*.0030-21.2021; DOI: <https://doi.org/10.1523/ENEURO.0030-21.2021>
28. Zilber, N., Ciuciu, P., Gramfort, A., Azizi, L., **van Wassenhove, V.** (2021). NeuroSpin hMT+ Localizer DATA (MEG & aMRI). OpenNeuro. [Dataset] doi:0.18112/openneuro.ds003392.v1.0.4
<https://openneuro.org/datasets/ds003392/versions/1.0.1>
29. Lizarazu, M., di Covella, L. S., **van Wassenhove, V.**, Rivière, D., Mizzi, R., Lehongre, K., ... & Ramus, F. (2021). Neural entrainment to speech and nonspeech in dyslexia: conceptual replication and extension of previous investigations. *Cortex*. OSF pre-registration: <https://osf.io/wa6mf> and <https://osf.io/a97n5>.
<https://doi.org/10.1016/j.cortex.2020.12.024>
30. Pinho, A.L., Amadon, A., Gauthier, B. et al. Individual Brain Charting dataset extension, second release of high-resolution fMRI data for cognitive mapping. *Sci Data* 7, 353 (2020). <https://doi.org/10.1038/s41597-020-00670-4>
31. Gauthier, B., Prabhu, P., Kotegar, K. A., & **van Wassenhove, V.** (2020). Hippocampal Contribution to Ordinal Psychological Time in the Human Brain. *J Cogn Neurosci*, 1-15.
32. Kononowicz, T. W., Sander, T., Van Rijn, H., & **van Wassenhove, V.** (2020). Precision Timing with α - β Oscillatory Coupling: Stopwatch or Motor Control?. *J Cogn Neurosci*, 32(9), 1624-1636. *BioRxiv*, 591933.
33. **van Wassenhove, V.**, & Herbst, S. K. (2020). Jones, M. R. Time Will Tell: A Theory of Dynamic Attending. *Perception*, 49(4), 488–491.
34. La Rocca, D., Ciuciu, P., Engemann, D. A., & **van Wassenhove, V.** (2020). Emergence of β and γ networks following multisensory training. *NeuroImage*, 206, 116313. *BioRxiv* 560235
35. Recio, R. S., Cravo, A. M., de Camargo, R. Y., & **van Wassenhove, V.** (2019). Dissociating the sequential dependency of subjective temporal order from subjective simultaneity. *PloS one*, 14(10), e0223184.
36. Kononowicz, T. W., & **van Wassenhove, V.** (2019). Evaluation of Self-generated Behavior: Untangling Metacognitive Readout and Error Detection. *J Cogn Neurosci*, 1-17.
37. Grabot, L., Kononowicz, T. W., La Tour, T. D., Gramfort, A., Doyère, V., & **van Wassenhove, V.** (2019). The strength of alpha-beta oscillatory coupling predicts motor timing precision. *Journal of Neuroscience*, 2473-18.
38. Kononowicz, T. W., Roger, C., & **van Wassenhove, V.** (2019). Temporal metacognition as the decoding of self-generated brain dynamics. *Cerebral Cortex*, 29(10), 4366-4380.
39. Gauthier, B., Pestke, K., & **van Wassenhove, V.** (2019). Building the arrow of time... over time: A sequence of brain activity mapping imagined events in time and space. *Cerebral Cortex*, 29(10), 4398-4414.
40. La Rocca, D., Zilber, N., Abry, P., **van Wassenhove, V.**, Ciuciu, P. (2018) Self-similarity and multifractality in human brain activity: A wavelet-based analysis of scale-free brain dynamics, *J Neurosci Methods*, 309, p 175-187.
41. Polti, I., Martin, B., **van Wassenhove, V.** (2018) The effect of attention and working memory on the estimation of elapsed time. *Scientific Reports*, 8, 6690/ doi:10.1038/s41598-018-25119-y
42. Lambrechts, A., Falter, C., **van Wassenhove, V.** (2018) Diminished neural resources allocation to time processing in Autism Spectrum Disorders. *Neuroimage: Clinical*, 17, 124-136.
43. Dupré la Tour, T., Tallot, L., Grabot, L., Doyère, V., **van Wassenhove, V.**, & Grenier, Y. (2017). Non-linear auto-regressive models for cross-frequency coupling in neural time series. *PLoS Comput Biol*, 13(12), e1005893.

44. Wittmann, M. & **van Wassenhove, V.** (2017) Why Time Slows Down during an Accident. *Front Young Minds*, 5:32. doi: 10.3389/frym.2017.00032
45. van Wassenhove, V. (2017) Defining moments for conscious time and content. *PsyCh journal*, 6(2), 168-169.
46. Grabot, L., Kösem, A., Azizi, L., & **van Wassenhove, V.** (2017). Prestimulus Alpha Oscillations and the Temporal Sequencing of Audio-visual Events. *J Cogn Neurosci*, 29(9), 1566-1582.
47. **van Wassenhove, V.** (2017). Time Consciousness in a Computational Mind/Brain. *Journal of Consciousness Studies*, 24(3-4), 177-202.
48. Grabot, L., & **van Wassenhove, V.** (2017). Time order as psychological bias. *Psychological science*, 28(5), 670-678.
49. Martin, B., Wiener, M., & **van Wassenhove, V.** (2017). A Bayesian Perspective on Accumulation in the Magnitude System. *Scientific Reports*, 7(1), 630.
50. Gauthier, B., & **van Wassenhove, V.** (2016). Time is not space: core computations and domain-specific networks for mental travels. *J of Neurosci*, 36(47), 11891-11903.
51. Kösem, A., & **van Wassenhove, V.** (2016). Distinct contributions of low-and high-frequency neural oscillations to speech comprehension. *Language, Cognition and Neuroscience*, 1-9.
52. Kösem, A., Basirat, A., Azizi, L., & **van Wassenhove, V.** (2016). High frequency neural activity predicts word parsing in ambiguous speech streams. *Journal of Neurophysiology*, 116(6), 2497-2512.
53. Gauthier, B., & **van Wassenhove, V.** (2016). Cognitive mapping in mental time travel and mental space navigation. *Cognition*, 154, 55-68.
54. **van Wassenhove, V.** (2016). Temporal cognition and neural oscillations. *Current Opinion in Behavioral Sciences*, 8, 124-130.
55. Kononowicz, T. W., & **van Wassenhove, V.** (2016). In search of oscillatory traces of the internal clock. *Frontiers in psychology*, 7.
56. Martin, Jean-Rémy, Anne Kösem, and Virginie **van Wassenhove**. Hysteresis in audiovisual synchrony perception. *PloS one* 10, no. 3 (2015): e0119365.
57. Strauss, M., Sitt, J. D., King, J. R., Elbaz, M., Azizi, L., Buiatti, M., ... & Dehaene, S. (2015). Disruption of hierarchical predictive coding during sleep. *Proceedings of the National Academy of Sciences*, 112(11), E1353-E1362.
58. Strauss, M., Sitt, J., King, J. R., Elbaz, M., Azizi, L., Buiatti, M., ... & Dehaene, S. (2015). Atteinte des processus de prédiction mais conservation de l'adaptation sensorielle au cours du sommeil. *Médecine du Sommeil*, 12(1), 58.
59. Strauss, M., Sitt, J., King, J. R., Elbaz, M., Naccache, L., **Van Wassenhove, V.**, & Dehaene, S. (2015). Atteinte des systèmes prédictifs dans le sommeil. *Revue Neurologique*, 171, A172.
60. **van Wassenhove, V.**, & Grzeczowski, L. (2015). Visual-induced expectations modulate auditory cortical responses. *Frontiers in Neuroscience*, 9, 11.
61. **van Wassenhove, V.**, Lecoutre L. (2015) Duration estimation entails predicting when. *Neuroimage*, 106:272-83. doi: 10.1016/j.neuroimage.2014.11.005.
62. Zilber N., Ciuciu P., Gramfort A., Azizi L, **van Wassenhove, V.** (2014) Supramodal processing optimizes visual perceptual learning and plasticity. *Neuroimage*, 93, 1:32-46. doi: 10.1016/j.neuroimage.2014.02.017.
63. Kösem A., Gramfort A., **van Wassenhove, V.** (2014) Encoding of event timing in the phase of neural oscillations. *Neuroimage*, 92:274-84. doi:10.1016/j.neuroimage.2014.02.010.
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65. **van Wassenhove, V.** (2013) Speech through ears and eyes: interfacing the senses with the supramodal brain. *Front. Psychol.* 4:388. doi: 10.3389/fpsyg.2013.00388.
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67. Martin B., Giersch A., Huron C., **van Wassenhove, V.** (2013) Temporal event structure and timing in schizophrenia: preserved binding in a longer “now”. *NeuroPsychologia*, 51, 358-371.
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72. Wittmann M., **van Wassenhove V.**, Craig A. and Paulus M.P. (2010) The neural substrates of subjective time dilation. *Front. Hum. Neurosci.* 4(2). doi:10.3389/neuro.09.002.2010
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74. Wittmann M. & **van Wassenhove V.** (2009) The experience of time: neural mechanisms and the interplay of emotion, cognition and embodiment. *Philos Trans R Soc Lond B Biol Sci.* 364(1525):1809-13.
75. **van Wassenhove V.**, Buonomano D, Shimojo S, Shams L (2008) Distortions of subjective time perception within and across senses. *PLoS ONE* 3(1): e1437.
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79. Skipper J., **van Wassenhove V.**, Nusbaum H.C., Small S. (2007) Hearing lips and seeing voices: how cortical areas supporting speech production mediate audiovisual speech perception. *Cerebral Cortex* 17(10): 2387-99.
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Peer-reviewed proceedings

1. Scoccia, A., Neri, F., Catrambone, V., Cinti, A., Benelli, A., Romanella, S., ... & Rossi, S. (2025). Individual Alpha Frequency tACS modifies the detection of space-time optical illusion. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, 18(1), 360.
2. Josset, J. M., Le Quentrec, E., & **van Wassenhove, V.** (2024). Our sweetest hours fly fastest... on smartphone. In *Proceedings of the Annual Meeting of the Cognitive Science Society* (Vol. 46).
3. Valenza, G., Alcaniz, M., Alfeo, A. L., Bianchi, M., Carli, V., Catrambone, V., ... & **van Wassenhove, V.** (2023). The EXPERIENCE Project: Unveiling Extended-Personal Reality through Automated VR Environments and Explainable Artificial Intelligence.

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5. Morgagni, S, Lemaitre G., Guerin G., Beirnaert B., Nedelec Y., Vallet V., Gyselinck, V., **van Wassenhove**, V (2019, Oct) 12th World Congress on Railway Research, Tokyo. Mastering Time: understanding passenger time perception in real travel conditions during complex railway journeys.
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11. A Giersch, M Herzog, J Kornmeier, V **van Wassenhove** (2014) About Exact Temporal Precision and Slow Information Integration. *Procedia-Social and Behavioral Sciences* 126, 29-33
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13. Zilber N, Ciuciu P, Abry P, **van Wassenhove** V (2013) Modulation of scale-free properties of brain activity in MEG. *IEEE International Symposium on Biomedical Imaging*, San Francisco, USA.
14. Zilber N, Ciuciu P, Abry P, **van Wassenhove** V (2012) Modulation of scale-free properties of brain activity in MEG. *IEEE International Symposium on Biomedical Imaging*, Barcelona, Spain.
15. Brungart DS, Iyer N, Simpson BD, **van Wassenhove** V (2008) The effects of temporal asynchrony on the intelligibility of accelerated speech. *International Conference on Auditory-Visual Speech Processing (AVSP)*, Moreton Island, Australia.
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17. Brungart DS, **van Wassenhove** V, Brandewie E, Romigh G (2007) The effects of temporal acceleration and deceleration on auditory-visual speech perception. *International Conference on Auditory-Visual Speech Processing (AVSP)*, Kasteel Groenendael, Hilvarenbeek, Netherlands.
18. **van Wassenhove** V, Grant KW, Poeppel D (2003) Electrophysiology of auditory-visual speech integration. *International Conference on Auditory-Visual Speech Processing (AVSP)*, St Jorioz, France, pp. 31-35.
19. Grant KW, **van Wassenhove** V, Poeppel D (2003) Auditory-visual speech integration. *International Conference on Auditory-Visual Speech Processing (AVSP)*, St Jorioz, France, pp. 37-42.

Book chapters

1. van Wassenhove, V. (2022). Cognitive Neuroscience of Time: Nows, Timelines, and Chronologies in Rémy Lestienne & Paul Harris (Eds). *Time & Science*. World Scientific Publishing. <https://doi.org/10.31234/osf.io/8m9hs>
2. Doelling, K., Herbst, S., Arnal, L., & van Wassenhove, V. (2023). Psychological and neuroscientific foundations of rhythms and timing in Clemens Wöllner & Justin London(Eds). *Performing Time*. Oxford University Press. <https://doi.org/10.31234/osf.io/hkgdr>
3. van Wassenhove, V., Herbst, S. K., & Kononowicz, T. W. (2019). Timing the brain to time the mind: Critical contributions of time-resolved neuroimaging for temporal cognition. *Magnetoencephalography: From signals to dynamic cortical networks*, 855-905.

4. van Wassenhove V & Schroeder CS (2012) Multisensory Role of Human Auditory Cortex in Poeppel D & Overath T, Popper, AN & Fay, RR (Eds) *Springer Handbook of Auditory Research* vol. 43, pp. 295-331.
5. van Wassenhove V, Ghazanfar A, Munhall & Schroeder CS (2012) Bridging the Gap between Human and Nonhuman Studies of Audiovisual Integration. In Stein B (Ed.) *The New Handbook of Multisensory Processing*, pp. 153-167.
6. Poeppel D, Idsardi W J, van Wassenhove, V (2009) Speech perception at the interface of neurobiology and linguistics. In Brian CJ Moore, Lorraine K Tyler and William D Marslen-Wilson (Eds) *The Perception of Speech: From sound to meaning*. Oxford: Oxford University Press. 249 - 274.
7. Nakib A, Naït-Ali A, van Wassenhove V, Siarry P (2009) "Parametric modeling of some biosignals using optimization metaheuristics" in *Advanced Biosignal Processing*. Springer.

Invited talks

2026

- MPI Leipzig, Germany – Mind series

2025

- SFN, San Diego, Mini-Symposium The representation of time in the brain
- NIL inauguration, Shanghai, China
- TRF4, Is time special?, Tokyo, Japan
- DataIA inauguration, Univ. Paris-Saclay, France
- Sissa Univ. , Trieste, Italy
- Institute Universitaire de France, Besançon, France
- Leuven, Belgium
- Utrecht Univ, Netherlands
- MPI Tübingen, Germany

2024

- PiNTS Paris
- Donders Lecture
- NCCR, Geneva
- Kavli Institute, Norway
- Queen Mary University of London, Department of Psychology seminar, UK

2023

- Closing workshop VirtualTimes (Dir: Kai Vogeley), Köln, Germany
- IMRF23, Symposium speaker (Chair: Dan Senkowksi) Where, when and how? Uncovering the cortical network dynamics underlying multisensory perception, Brussels, Belgium
- Interactions between consciousness and other domains of cognition: decision-making, prediction, creativity, mind-wandering, emotions... , Claire Sergent ERC kickoff, Paris
- Brain Rhythms and Cortical Computations, Institut de l'Audition, Paris
- ENS, LNC2, Paris
- Qbio seminar, Paris

2022

- Groupe de Recherche Neural Nets, Non-clocking roles of neural oscillations, Lyon, France
- Urban Mobility 2 « Journey », Temporal Cognition, Plateau de Saclay, France
- PINTS, Endogenous and exogenous order, Paris, France
- CogHear, What is integration?
- Institut Nicod
- ARO, Consideration of Cross-Sensory Influences on Audition Symposium

2021

- Virtual Brain, Mind & Consciousness on Time Perception, CIFAR
- Louis Jeantet, Geneva, Switzerland

- Littérature & Schizophrénie, Strasbourg
- Virtual MEGUK, Cambridge, UK (Keynote speaker)
- Colloque de Cerisy, France
- The Hebrew University of Jerusalem, Israel
- IfADo, Leibniz-Institut für Arbeitsforschung an der TU Dortmund
<https://youtu.be/uGQwks2quBw>

2020

- MGH, USA <https://youtu.be/59lyk93zUIE>

2019

- BrainModes, Pokhara, Nepal
- International Symposium, Universität of Hamburg, Germany
- Institut Pasteur, Paris, France
- The Predictive Brain Conference, Marseille, France
- Salzburg Mind - Brain Annual Meeting, Salzburg, Austria
- Adriatica Summer School, Pescara, Italy
- IDG /McGovern Institute for Brain Research, PKU, Peking, China
- Institut of Neurosciences, Academy of Neuroscience, China
- NYU Shanghai, China
- Zehjiang University, Hangzhou, China
- The Chinese University of Hong-Kong, China
- Cognitive Neuroscience Society, San Francisco, USA
- Symposium on the neural bases of speech production, UCSF, USA
- Birmingham University, UK
- Université Paris Descartes, Paris, France

2018

- Congrès Français de Psychiatrie, Nantes, France
- Zangwill Club, Cambridge, UK
- ICM, Paris, France
- Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany
- L'Ere du temps, Nice, France
- GDR Biocomp, Bordeaux, France
- Time & the Observer, UCSD, USA
- Para Limes, Institute of Complexity, Singapore <https://youtu.be/xkggACK3q8I>
- NeuroSpin, 10 years anniversary, Gif sur Yvette, France

2017

- Salzburger Gesellschaft für Psychologie, Salzburg University, Austria.
- Cognitive Science Colloquium, UMD College Park, USA.
- Timing Research Forum (TRF) 1, Strasbourg, France.
- Brazilian Meeting on Brain and Cognition 2017, Sao Paulo, Brazil.
- EFTF-IFCS, Besançon, France. Scientific organizer: Jérôme Delporte (CNES).
- CuttingEEG, Glasgow, UK.
- PIRE workshop, Pals, Spain. Organizers: Gustavo Deco, Maximilian Riesenhuber, Josef Rauschecker, Klaus Wimmer, Katharina Glomb.
- Trieste Encounters in Cognitive Science: timing & temporal cognition, Trieste, Italy. Organizers: Domenica Buetti & Mathew Diamond
- Neural Oscillations in Speech and Language Processing, Berlin, Germany.
<https://youtu.be/HNqLvoAVxTY>
- The Bayesian Sensory Brain and Beyond, Fondation des Treilles, France.
- Cortical oscillations in speech and language processing Symposium, Cognitive Neuroscience Society, San Francisco, USA.
- ENP days, Paris, France.

2016

- ENS séminaires en neurosciences computationnelles, Paris, France.

- Time in Tokyo, Tokyo, Japan.
- BIOMAG, Seoul, South Korea.
- Groupe de recherche en audiologie expérimentale et clinique. Marseille, France.
- Sens de soi dans la schizophrénie : neurosciences, phénoménologie et rétablissement. Lyon, France

Organizer : Brice Martin

- Les nouveaux colloques de l'Orme (2016), France. Organizer: Etienne Klein

2015

- OHBA series, Oxford, UK.
- MEG Symposium. Tuebingen, Germany.
- Brain & Mind Symposium. Långvik, Finland.
- Brain & Cognition seminars. Biotech Campus, Geneva, Switzerland.
- Brain & Spine Institute, Imagining the normal and pathological brain dynamics, Paris, France. (Organizers: Elekta & Nathalie George & Denis Schwartz)
- European Institute for Theoretical Neuroscience, Power-laws & Multiple Scales in Neural Systems Workshop, Paris, France. (Organizers: Gaute Einvoll & Alain Destexhe)

2014

- Festival della Scienza, Genoa, Italy.
- Bernstein Conference Satellite Workshop “Neural representations of time: experiments, models, theory”, Göttingen, Germany.
- Collège de France, Paris, France.
- IRCAM Mamux seminars, Paris, France.
- Timely conference, Corfu, Greece.
- Synaesthesia in perspective workshop. Hamburg, Germany.
- Institut de la Vision, Paris, France.

2013

- Neural oscillations and temporal event structuring in the brain. Timely Neuroimaging School. Magdeburg, Germany.
- Temporal logistics in brain functions: implications for temporal cognition. Strasbourg, France.
- (supr)amodal processing in visual learning and plasticity, International Multisensory Research Forum, Jerusalem, Israël.
- Multisensory integration: a dynamic view. 11th Société des Neurosciences, Lyon, France.
- Temporal logistics in brain functions. The emergence of functional patterns in perception and behaviour, 5th Annual Computational Neurosciences Workshop, Marseille, France.

2012

- Centre de Neurosciences Paris-Sud, Orsay, France.
- McGill University, Montreal Neurological Institute, Canada.
- MIT-McGovern, Boston, USA.
- Univ Maryland College Park, USA.
- Time Nanosymposium, Society for Neurosciences, New Orleans, USA.
- “Brain rhythms, temporal expectations and the awareness of time” symposium, Biomag, 18th International Conference on Biomagnetism, Paris, France.
- Konstanz University, Germany.
- The University of Chicago Center in Paris, France.
- GIPSA lab, Grenoble, France.
- Measuring Time workshop, Irish Research Council, University College Cork, Ireland.

2011

- Brain dynamics and conscious time session, Time and the Conscious brain symposium, Hanse-Wissenschaftskolleg (HWK), Delmenhorst, Germany.
- International Society for the Study of Time, Time & Emergence Symposium, Paris, France.
- Consolider-CogNeuro seminar series, Universita Pompeus Fabra, Spain.
- Neurointensive Care Conference - Delirium in the ICU, Versailles France
- Institut Cerveau et Moëlle Epinière, Paris, France.
- Tübingen, Germany.

Full CV. last update: 3/3/2026

- IRBA, France.

Before 2010

- Institut de Neurosciences Cognitives de la Méditerranée, Marseille, France.
- DGA-CEA day, Human-Machine interfaces, Gif-sur-Yvette, France.
- COST Timely workshop 1, Athens, Greece.
- Multisensory day. ENS Paris, France
- Multiscale analysis of neural systems. Gif sur Yvette, France.
- Birmingham University, UK, September.
- École Normale Supérieure, DEC, Paris, France, June.
- Cerco, Toulouse, France, June.
- Neurospin, Paris, France, December.
- International Congress of Phonetic Sciences, Saarbrücken, Germany, August 2007.
- 36th Annual Meeting of the Society for Neurosciences, Atlanta, USA, October 2006.
- École Normale Supérieure, Département d'Études Cognitives, Paris, France.
- International Multisensory Research Forum 7th Annual Meeting, Dublin, Ireland, June 2006.
- 6th Annual Meeting of the International Multisensory Research Forum, Rovereto, Italy, June 2005.
- University of Santa Cruz, Santa Cruz, CA, USA.
- Nathan Kline Institute, Orangeburg, NY, USA.
- Acoustical Society of America, New York, NY, May 2004.
- EPIC XIV, Leipzig, Germany, March 2004. Brain and Language Conference sponsored by KIT and MIT, Tokyo, Japan.

Posters *As of Sept. 2023, >120; Will no longer keep track on CV*