



Virginie van Wassenhove, PhD, Habil.

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APPOINTMENTS

- 2014 - **Research Director**, CEA, DRF/Joliot, NeuroSpin, France.
- 2012 - **Cognition & Brain Dynamics** Team leader, INSERM/ Cognitive Neuroimaging Unit, France.
- 2008 - 17 Director NeuroSpin MEG, CEA, DRF/Joliot, NeuroSpin, France.
- 2008 - 12 Associate Researcher, INSERM Cognitive Neuroimaging Unit, France.
- 2005 - 08 Post-Doctoral Research Scholar, CALTECH, USA.
- 2005 - 06 Post-Doctoral Research Scholar, UCLA, USA.
- 2004 - 05 Post-Doctoral Research Scholar, UCSF, USA.

EDUCATION & TRAINING

- 2013 Habilitation à Diriger des Recherches (HDR), *Predictive structuring of events in time: implications for perception and cognition*. Université Pierre et Marie Curie (Paris VI), Paris, France.
- 2012 Team Management training, CEA, France.
- 2004 PhD, Neurosciences & Cognitive Sciences (NACS), *Cortical dynamics of auditory-visual speech perception: a forward model of multisensory integration*. UMCP, USA.
- 1998 Bachelor of Science, Neurosciences and Individualized Studies, University of Maryland College Park (UMCP), USA.

FUNDING & AWARDS

- 2018 **ANR PRCE** (PI; 4 years; collaborators: SNCF, IFSTTAR) *WildTimes*
- 2017 - **DRF Impulsion, Amont-Aval** (collaborator; 1 year; PI: M. Pannetier-Lecoeur) *Magnetbrain*
- 2017 - **DRF Impulsion** (co-PI; 1 year; co-PI: E. Klein) *Amphybio*
- 2016 - 20 **ANR** (co-PI; 200 k€, 4 years; co-PI: A. Giersch, J. Coull, V. Doyère) *AutoTime*
- 2016 - 20 **ANR** (collaborator; 350 k€, 3.5 years, PI: P. Abry) *MultiFracs*
- 2016 - 19 **FRM** (collaborator; 300 k€, 3 years, PI: A. Giersch) *Time, self and resting-state in schizophrenia and bipolar disorders*
- 2016 - 18 **Fondation de France** (collaborator; 190 k€, 2 years; PI: F. Poulet) *Neurostimulation-enhanced behavioral remediation of social cognition in schizophrenia*
- 2015 - 16 **IDEX NeuroSaclay** (PI; 75 k€, 1 year; co-PI: V. Doyère, A. Gramfort) *NoTime*
- 2011 - 17 **ERC Starting Grant** (PI; 1.5 m€, 5 years) *MindTime*
- 2010 - 16 **ANR Jeunes Chercheuses** (PI; 400 k€, 4 years) *BrainTime*
- 2010 - 14 **Marie Curie International Reintegration Grant** (PI; 100k€, 4 years) *Neural correlates of predictive mechanisms in multisensory perception*
- 2010 - 14 **COST Action** (collaborator; PI: A. Vatakis) - consulting expert *Time in mental activity: theoretical, behavioural, bioimaging and clinical perspectives*
- 2009 **NeRF** (15k€, co-PI: A. Bachach), *New directions in the use of MEG for language research*. NeuroSpin, France
- 2008 Gordon Ross Senior Post-Doctoral Fellowship, Caltech USA
- 2007 Initiative PostDoc of the Académie des Sciences, Ministère de la Recherche, France

- 2004 Fellowship Summer Institute in Cognitive Neuroscience, *Concepts, Actions and Intentions*, Dartmouth College USA
- 2003 Scholarship Mid-Atlantic Society for Biofeedback and Behavioural Medicine USA
- 2002 Summer Fellowship, Neurosciences and Cognitive Sciences, UMCP, USA
- 2000 Eugene Clark Research Summer Fellowship, UMCP, USA

SCIENTIFIC SERVICES

- 2015 - 16 Associate Editor, *Journal of Experimental Psychology: 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- Frontiers in *Auditory Cognitive Neuroscience*
- 2012 Guest Editor, *Special Issue - Neuropsychologia* with J. Coull & B. Coslett
- 2009 Guest Editor, *Philosophical Transactions of the Roy Soc London- B* with M. Wittmann
- 2006 Consulting Editor, *Psychophysiology*

INTERNATIONAL SCIENTIFIC JOURNALS • AD-HOC REVIEWER

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* • *Trends in Cognitive Sciences* • *Science* • [...]

GRANT REVIEWER

European Research Council (ERC) • Agence Nationale pour la Recherche (ANR) • German Research Foundation (Deutsche Forschungsgemeinschaft; DFG) • Greek Funding Agency • Netherlands Organisation for Scientific Research (NWO) • Netherlands Institute for Advanced Study in the Humanities and Social Sciences (NIAS) • Belgian Funding Agency • Welcome Trust India Alliance.

TEACHING

- 2017- Guest Lecturer, *Le Temps*. [ESPCI](#), Paris, France
- 2017-18 Guest Tutor, [Ecole Polytechnique](#) (PSC X2016, BIO INF 04F) Détection de comas non organiques à l'aide d'électroencéphalogrammes.
- 2011-17 Professor, build the [Advanced Cognitive Neurosciences CA4 graduate course](#), [ENS Paris](#), France
- 2017 Guest Lecturer, Summer School, (1) *Neural oscillations: time metrics for information processing in the brain*; (2) *The conscious time arrow in our mind*. [Trieste Encounters in Cognitive Sciences: timing and temporal cognition](#). Trieste, Italy
- 2014 Guest Lecturer, [Temps, cerveau & cognition](#). [Collège de France](#), Paris
- 2013 Guest Lecturer, *Neural basis of cognition*. [ENS Lyon](#), France
- 2013 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 techniques for the quantification of human brain functions - MEG & EEG*, Bioengineering, ISBS, [CHU Mondor Créteil](#), France
 Guest Lecturer *Langage 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, *EEG & TMS techniques*, Physics and 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.
- 2000 Teaching Assistant, EEG training.UMCP, USA

MENTORING

POST-DOCTORAL FELLOWS

- 2019 - William Vallet
- 2017-18 Sophie Herbst, now permanent researcher in the team.
- 2016-18 Daria La Rocca, co- with Philippe Ciuciu and Patrice Abry, now permanent researcher.
- 2014- Tadeusz Kononowicz
- 2016 Denis Engemann, now Researcher at INRIA, Parietal team, NeuroSpin, France.
- 2014 Anja Wuehle
- 2013-16 Baptiste Gauthier, now postdoctoral fellow with Prof. Olaf Blanke, EPFL, Geneva, Switzerland.
- 2011-13 Clémence Roger, now Maître de Conférence, Univ. of Lille, France.
- 2011-13 Ramon Mariano Guevara Erra, now Postdoctoral Fellow at LPP, Paris, France.

PHD STUDENTS

- 2018- Co-Director, Sloane Paulcan (Dir: Valérie Doyère, Univ Paris-Sud)
- 2018- Co-Director, Ignacio Polti (Dir: Christian Doeller, Kavli Inst)
- 2018 Advisor, Pooja Prabhu (Raman-Charpak six months fellowship)
- 2017 Advisor, Elie Rassi (visitor from Nathan Weisz and Wolfgang Klimesch)
- 2017 Advisor, Renan Recio (visitor from Andre Cravo and Raphael Carmago)
- 2014 - 17 Director, Benoît Martin (ED3C, Paris) now MBA at Institut Léonard de Vinci, Paris, France.
- 2013 - 17 Director, Laetitia Grabot (ED3C, Paris) now postdoc with Christopher Kayser, Bielefeld Univ, Germany.
- 2010 - 14 Director, Anne Kösem (INSTN, ED3C, Paris); postdoc with Prof P. Hagoort, Max Planck Institute for Psycholinguistics, and Donders, Netherlands; now, with M. Bonnefond @Lyon.
- 2010 - 14 Co-Director, Nicolas Zilber (Paris), now Engineer Software Development, Amadeus IT group, Marseille, France.
- 2012 - 13 Advisor, Thiago Oliveira da Motta Sampaio (Visiting PhD Student, Sandwich Fellow, University of Rio de Janeiro, Brazil), now Professor, Inst. Language Studies, UNICAMP, Brazil.
- 2012 Advisor, Diana Omigie (visiting PhD Student, Goldsmiths University of London)

MASTER STUDENTS

- 2018-19 Paul Berton (ENS Cogmaster II, Paris); Izem Mangione (MII Univ Bordeaux); Yvan Nédélec (MII Univ Paris Descartes) ; Blandine Beirnaert ; Dragana Manasova (MI Univ Paris Descartes)
- 2017-18 Camille Lakhlifi (ENS Cogmaster II, Paris) with Simone Morgagni, SNCF; Ava Kiai (ENS Cogmaster II, Paris) with Lucia 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 Paris, Cogmaster I, Paris) short internship
- 2011 Lucille Lecoutre (ENS Paris, Cogmaster I, Paris); Marianne Duyck (ENS Paris, Cogmaster II, Paris)
- 2010 - 11 Lukasz Grzeczowski (ENS Paris, Cogmaster II); Anna Lambrechts (ENS Paris, UCL - Cogmaster II w/ Prof Walsh, London)
- 2009 - 10 Anne Kösem (ENSTA - ENS Paris, Cogmaster II, Funded by ENS-EDF); Brice Martin (Toulouse Psychiatry, Funded by the FRM)
- 2008 Summer Undergraduate Student Intern (AMGEN program), CALTECH, USA
François Griffon (ENS Paris, Cogmaster II), CALTECH, USA
- 2007 Visiting graduate medical student from Tokyo University. CALTECH, USA
- 2005 Susan Duong, Berkeley undergraduate student in Cognitive Sciences, UCSF, USA
- 2000 – 04 EEG and psychophysics trainings of under/graduate students, UMCP, USA

THESIS COMMITTEES

- 2018 Habilitation (HDR), rapporteur. Céline CAPPE (Univ. Toulouse III Paul Sabatier, France)
PhD, President of jury. Ljubica Jovanovic (ENS, France; Dir: P Mamassian)
PhD, rapporteur. Clément Abbatecola(ENS Lyon , France ; Dirs : K Knoblauch & H Kennedy)
mid-thesis PhD advisory. Felipe Rolando (ENS Lyon, France; Dir : S Wirth & JR Duhamel)
- 2017 PhD examinatrice. Mariana BABO REBELO (ENS, France; Dir: C Tallon-Baudry)
- 2016 PhD, President of jury. Nara IKUMI (Universitat Pompeu Fabra, Spain ; Dir : S Soto-Faraco)
PhD rapporteur. Brice MARTIN (Univ. Lyon, France)
PhD rapporteur. Anne-Sophie DUBARRY (Univ. Aix-Marseille, France)
mid-thesis PhD advisory. Ignacio REBOLLO (Frontières du Vivant, Paris, France; Dir: C Tallon-Baudry)
- 2014 Habilitation (HDR), examiner. Marion NOULHIANE (UPMC Paris, France)
PhD, examiner. Alberta IPSEY (City University London, UK; Dir: E Freeman)
- 2013 PhD, rapporteur. Olha NAHORNA (Université de Grenoble, France ; Dir : JL Schwartz)
- 2011 PhD, examiner. Laurence LALANNE (Université de Strasbourg, France ; Dir : A Giersch)
- 2010 PhD, examiner. Luc ARNAL (ENS Paris, France; Dir: AL Giraud)
PhD, examiner. Eve ISHAM (Claremont Graduate Univ of California, USA)
PhD, examiner. Hedwige POLOVY (CEA, Physics - Univ Pierre et Marie Curie, France)
- 2009 - Master, reviewer, ENS Cogmaster.

ADMINISTRATIVE SERVICES

- 2016- Member, [Ecole des Neurosciences Paris](#), Paris
- 2015 - 16 Member, Faculty recruitment committee, ENS Paris, Paris
- 2015 [ED3C Doctoral School](#) selection committee, Jussieu, Paris
- 2013 - 14 Organizer, NeuroSpin Monday Scientific talks, NeuroSpin
- 2012 - 16 Member, Executive Committee, [DIM Cerveau & Pensée](#)
- 2010 - Member, Pedagogic Committee, Cogmaster, Ecole Normale Supérieure, Paris
- 2010 - 12 Member, Management Committee, [COST Action Timely](#)
- 2009 - 13 Member, Comité de Pilotage, Institut Fédératif de Recherche (IFR 49)
- 2008 - Member, Executive Committee, NeuroSpin, Gif s/ Yvette

SCIENCE & SOCIETY

SCIENCE POLICY & STRATEGY

- 2013 [Destination Europe](#), European Commission, Washington DC, USA.
2011 European Science Foundation Strategic Initiative, selective group workshop, [The Human Brain: from Cells to Society Strategic Report](#)

ADVOCACY FOR WOMEN IN SCIENCES

- 2016-18 Active contribution and dissemination of database: <http://womeninneuroscience.getforge.io/>
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

- 2017 . Binôme: *Une éternité* (2017) [Les sens des mots](#), theater play presented at the Festival d'Avignon
 . [Pourquoi cherchez-vous ?](#) (2017) Series of artistic short interviews by Geneviève Anhoury
 . Comité scientifique exhibit [Illusions](#), Exploradôme, Vitry sur Seine
2016 . Gholipour, B (2016) [Why does time seems to slow down on Tuesdays?](#) Science of US, *New York Magazine*.
 . Hebden, 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?"
 . Jury member, Best Illusion of the year contest
 . Spinney, L (2015). [Once upon a time](#). *New Scientist*, 225(3003), 28-31.
2014 . Time, this arrow in our mind. Musée Olympique de Lausanne.
 . Klein, E. & van Wassenhove, V. (2014) Le temps est-il un « cas de conscience » ? *CEA Clef*, 62, 44-45.
 . van Wassenhove, V. (2014) La magnétoencéphalographie, *CEA Clef*, 62, 9.
 . van Wassenhove, V. (2014) Architecture cognitive et cerveau, *CEA Clef*, 62, 39.
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 with Etienne Klein: [Qu'est-ce qui fait durer le temps?](#),
 . iO9 blog. Interview with Annalee Newitz: [How do you know what time it is?](#)
2008 . Scientific American Mind, Interview with Christopher Intagliata: [Competing clocks](#)
2005 . Sociable media, Interview with Cliff Atkinson: [The science of face-to-face communication](#)

SYMPOSIA • WORKSHOP • CONFERENCES

- 2019 Mental models of Time, CNS, San Francisco, USA.
2018 - 20 Scientific committee, ICON 2020, Helsinki, Finland.
 Scientific committee, BIOMAG 2020, Birmingham, UK.
2018 - 19 Scientific committee, Timing Research Forum 2020, Mexico.
2018 Consulting scientist, Cognitive Science Society 2018.

- 2017 - 18 Scientific committee, BIOMAG 2018, Philadelphia, USA.
- 2016 Timing Research Forum (TRF1) scientific committee.
- 2016 Functional role of cross-frequency-coupling in the neurosciences of cognition, BIOMAG 2016, Seoul, South Korea.
- 2015 - 16 Scientific committee, 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 - 12 Organizing and Scientific committees, BIOMAG 2012, 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 at the Time and the Conscious Brain Symposium, Hanse-Wissenschaftskolleg (HWK), Delmenhorst, Germany.
- 2009 MEGLANG, [New directions in the use of magnetoencephalography for language research](#), co-organized with Asaf Bachach at NeuroSpin, France.
- 2007 COSYNE, *Models of Multisensory Integration: Psychophysical and Neural Constraints* (co-organized with Ladan Shams (UCLA) and John Jeka (UMCP)) The Canyons, Utah, USA).
- 2001 Organizational committee, MayFest, International Neurolinguistics conference.

PUBLICATIONS

PREPRINTS (submitted, under review, rejected or not yet rejected...)

1. *Grabot, L., *Kononowicz, T., Dupré La Tour, T., Gramfort, A., Doyère, V., van Wassenhove, V. (2017) Oscillatory multiplexing indexes precision. bioRxiv, 205245. doi: <https://doi.org/10.1101/205245>
2. Bekhti, Y., Gramfort, A., Zilber, N., & van Wassenhove, V. (2017). Decoding the categorization of visual motion with magnetoencephalography. bioRxiv, 103044. doi: <https://doi.org/10.1101/103044>

PEER-REVIEWED ARTICLES

1. Kononowicz, T., Roger, C., van Wassenhove, V. (2018) Temporal metacognition as the decoding of self-generated dynamics. *Cerebral Cortex*.
2. Gauthier, B., Pestke, K., & van Wassenhove, V. (2018). Building the Arrow of Time... Over Time: A Sequence of Brain Activity Mapping Imagined Events in Time and Space. *Cerebral Cortex*.
3. 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.
4. 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
5. Lambrechts, A., Falter, C., van Wassenhove, V. (2018) Diminished neural resources allocation to time processing in Autism Spectrum Disorders. *Neuroimage: Clinical*, 17, 124-136.
6. Dupré la Tour, T., Tallot, L., Grabot, L., Doyère, V., van Wassenhove, V., & Grenier, Y. (2017). Non-linear autoregressive models for cross-frequency coupling in neural time series. *PLoS Comput Biol*, 13(12), e1005893.
7. Wittmann, M. & van Wassenhove, V. (2017) Why Time Slows Down during an Accident. *Front Young Minds*. 5:32. doi: 10.3389/frym.2017.00032

8. [van Wassenhove, V. \(2017\)](#) Defining moments for conscious time and content. *PsyCh journal*, 6(2), 168-169.
9. Grabot, L., Kösem, A., Azizi, L., & [van Wassenhove, V. \(2017\)](#). Prestimulus Alpha Oscillations and the Temporal Sequencing of Audio-visual Events. *Journal of Cognitive Neuroscience*, 29(9), 1566-1582.
10. [van Wassenhove, V. \(2017\)](#). Time Consciousness in a Computational Mind/Brain. *Journal of Consciousness Studies*, 24(3-4), 177-202.
11. Grabot, L., & [van Wassenhove, V. \(2017\)](#). Time order as psychological bias. *Psychological science*, 28(5), 670-678.
12. Martin, B., Wiener, M., & [van Wassenhove, V. \(2017\)](#). A Bayesian Perspective on Accumulation in the Magnitude System. *Scientific reports*, 7(1), 630.
13. Gauthier, B., & [van Wassenhove, V. \(2016\)](#). Time is not space: core computations and domain-specific networks for mental travels. *Journal of Neuroscience*, 36(47), 11891-11903.
14. Kösem, A., & [van Wassenhove, V. \(2016\)](#). Distinct contributions of low-and high-frequency neural oscillations to speech comprehension. *Language, Cognition and Neuroscience*, 1-9.
15. 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.
16. Gauthier, B., & [van Wassenhove, V. \(2016\)](#). Cognitive mapping in mental time travel and mental space navigation. *Cognition*, 154, 55-68.
17. [van Wassenhove, V. \(2016\)](#). Temporal cognition and neural oscillations. *Current Opinion in Behavioral Sciences*, 8, 124-130.
18. Kononowicz, T. W., & [van Wassenhove, V. \(2016\)](#). In search of oscillatory traces of the internal clock. *Frontiers in psychology*, 7.
19. Martin, J. R., Kösem, A., & [van Wassenhove, V. \(2015\)](#). Hysteresis in Audiovisual Synchrony Perception. e0119365.
20. 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.
21. 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.
22. 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.
23. [van Wassenhove, V.](#), & Grzeczkowski, L. (2015). Visual-induced expectations modulate auditory cortical responses. *Frontiers in Neuroscience*, 9, 11.
24. [van Wassenhove, V.](#), Lecoutre L. (2015) Duration estimation entails predicting when. *Neuroimage*, 106:272-83. doi: 10.1016/j.neuroimage.2014.11.005.
25. 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.
26. 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.
27. Lambrechts A., Walsh V., [van Wassenhove, V. \(2013\)](#) Evidence accumulation in the magnitude system. *PLoS ONE* 8(12):e82122. doi: 10.1371/journal.pone.0082122.
28. [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.
29. Gross J., Baillet S., Barnes G., Henson R., Hillebrand A., Jensen O., Jerbi K., Litvak V., Maess B., Oostenveld R., Parkkonen L., Taylor J., [van Wassenhove, V.](#), Wibral M., Schoffelen J.-M. (2013) Good practice for conducting and reporting MEG research. *NeuroImage*, 65, 349-363.
30. 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.

31. van Wassenhove, V. (2012) From the dynamic structure of the brain to the emergence of time experiences. *Kronoscope*, 12:2, 199-216.
32. Kösem A., van Wassenhove, V. (2012) Temporal structure in audiovisual sensory selection. *PLoS ONE* 7(7): e40936. doi:10.1371/journal.pone.0040936
33. Wacongne C., Labyt E., van Wassenhove V., Bekinschtein T., Naccache L., Dehaene S. (2011) Evidence for a hierarchy of predictions and prediction errors in human cortex. *Evidence for a hierarchy of predictions and prediction errors in human cortex. Proc Natl Acad Sci* 108: 20754-20759.
34. van Wassenhove, V., Wittmann M., Craig A. and Paulus M.P. (2011) Psychological and neural mechanisms of subjective time dilation. *Front. Neurosci.* 5 (56). doi: 10.3389/fnins.2011.00056
35. 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
36. van Wassenhove, V. (2009) Minding time in an amodal representational space. *Philos Trans R Soc Lond B Biol Sci.* 364(1525):1815-30.
37. 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.
38. van Wassenhove V., Buonomano D, Shimojo S, Shams L (2008) Distortions of subjective time perception within and across senses. *PLoS ONE* 3(1): e1437.
39. Poeppel D., Idsardi W., van Wassenhove V. (2008) Speech perception at the interface of neuroscience and linguistics. *Philos Trans R Soc Lond B Biol Sci* , 363(1493):1071-86.
40. Seitz A., Kim R., van Wassenhove V., Shams L. (2007) Simultaneous and independent acquisition of multisensory and unisensory associations. *Perception* 36(10): 1445 – 1453
41. van Wassenhove V., Nagarajan S.S. (2007) Auditory-cortical plasticity in learning to discriminate modulation rate. *Journal of Neuroscience* 27 (10): 2663-2672.
42. 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.
43. van Wassenhove V., Grant K.W., Poeppel D. (2007) Temporal window of integration in bimodal speech. *Neuropsychologia*, 45 (3): 598-607.
44. van Wassenhove V., Grant K.W., Poeppel D. (2005) Visual speech speeds up the neural processing of auditory speech. *Proceedings of the National Academy of Science*, 102 (4): 1181-1186.
45. van Wassenhove V. (2005, July 13) The auditory cortex: beyond the analysis of sounds [Review of the book *The auditory cortex: a synthesis of human and animal research*]. *PsycCRITIQUES: APA Review of Books*, 50 (28), Article 16.
46. Schorr, E., Foxe, N., van Wassenhove V., Knudsen, E. (2005) Audio-visual fusion in speech perception in children with cochlear implants. *Proceedings of the National Academy of Science*, 102 (51): 18748-18750.
47. van Wassenhove V (2004). 'Analysis-by-synthesis' in auditory-visual speech perception: a forward model of multisensory integration. PhD Thesis, University of Maryland, College Park, MD.
48. Grant K.W., van Wassenhove V., Poeppel D. (2004). Detection of auditory (cross-spectral) and auditory-visual (cross-modal) synchrony. *Speech Communication*, 44/1-4, *Special Issue on Audio Visual speech processing*. St. Jorioz, France. Edited by J.-L. Schwartz, F. Bertommier, M.-A. Cathiard and R. de Mori, p. 43-53.
49. Grant K.W., Greenberg S., Poeppel D., van Wassenhove V. (2004). Effects of spectro-temporal asynchrony in auditory and auditory-visual speech processing. *Seminars in Hearing* 25: 241-255.
50. Lakshminarayan K., Ben Shalom D., van Wassenhove, V., Orbelo D., Houde J., Poeppel D. (2001) The effect of spectral manipulations on the identification of affective and linguistic prosody. *Brain and Language* 84: 250-263.

PEER-REVIEWED PROCEEDINGS

- Pellé, H., Ciuciu, P., Rahim, M., Dohmatob, E., Abry, P., & Van Wassenhove, V. (2016, April). Multivariate Hurst exponent estimation in fMRI. Application to brain decoding of perceptual learning. In Biomedical Imaging (ISBI), 2016 IEEE 13th International Symposium on (pp. 996-1000). IEEE.
- Ciuciu, P., Zilber, N., Abry, P., & Van Wassenhove, V. (2015, September). La convergence de l'activité neurale vers des attracteurs multifractals localisés prédit la capacité d'apprentissage. In GRETSI.
- Bekhti, Y., Zilber, N., Pedregosa, F., Ciuciu, P., Van Wassenhove, V., & Gramfort, A. (2014, June). Decoding perceptual thresholds from MEG/EEG. In Pattern Recognition in Neuroimaging, 2014 International Workshop on (pp. 1-4). IEEE.
- 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
- Bekhti Y, Zilber N, Pedregosa F, Ciuciu P, van Wassenhove V, Gramfort A (2014) Decoding perceptual thresholds from M/EEG. 4th International Workshop of Pattern Recognition in Neuroimaging, Tübingen, Germany.
- 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.
- 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.
- 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.
- van Wassenhove V (2007) Analysis-by-synthesis in auditory-visual speech perception: multi-sensory motor interfacing. *International Congress of Phonetic Sciences*, Saarbrücken, Germany.
- 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 Groenendaal, Hilvarenbeek, Netherlands.
- 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.
- 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

- 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.
- 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.
- 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.
- 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 SPEAKER

2019

- Making sense of time in the human mind. Birmingham University, UK
- Making sense of time in the human mind. Université Paris Descartes, Paris, France

2018

- Le cerveau, créateur de temps. Congrès Français de Psychiatrie, Nantes, France
- Making sense of time in the human mind. Zangwill Club, Cambridge, UK
- Making sense of time in the human mind. ICM, Paris, France
- Making sense of time in the human mind. Max Planck Institute, Frankfurt, Germany
- Comment le cerveau donne-t'il son sens au temps? L'Ere du temps, Nice, France
- From Timing to Meaning in the Human brain, GDR Biocomp, Bordeaux, France
- How does the brain generate (a) sense of time?, Time & the Observer, UCSD, USA
- Making sense of time in the human brain/mind. Para Limes, Institute of Complexity, Singapore
- Making sense of time in the human brain. NeuroSpin, 10 years anniversary, Gif sur Yvette, France

2017

- How does the human brain makes sense of time? Salzburger Gesellschaft fur Psychologie, Salzburg University, Austria.
- How does the human brain makes sense of time? Cognitive Science Colloquium, UMD College Park, USA.
- Kononowicz, T.W., Roger, C, van Wassenhove. Temporal metacognition as decoding self-generated brain dynamics. TRF1, Strasbourg, France.
- Grabot, L, Kösem, A, Azizi, L, van Wassenhove. Time order is a psychological bias. TRF1, Strasbourg, France.
- Herbst, S.K., van Wassenhove, V. and Obleser, J. Implicit Temporal Predictability improves Auditory Pitch Discrimination Sensitivity. TRF1, Strasbourg, France.
- Gauthier, B., Pestke, K., van Wassenhove, V. Ordering events in space and time. Timing Research Forum (TRF) 1, Strasbourg, France.
- A time arrow in the human mind, Brazilian Meeting on Brain and Cognition 2017, Sao Paulo, Brazil.
- How does the human brain makes sense of time? EFTF-IFCS, Besançon, France. Scientific organizer: Jérôme Delporte (CNES).
- Time and multisensory processing. CuttingEEG, Glasgow, UK.
- Temporal comodulation in multisensory integration & supramodal processing. PIRE workshop, Pals, Spain. Organizers: Gustavo Deco, Maximilian Riesenhuber, Josef Rauschecker, Klaus Wimmer, Katharina Glomb.
- Lecture 1, Neural oscillations: time metric for information processing in the brain. Trieste Encounters in Cognitive Science: timing & temporal cognition, Trieste, Italy. Organizers: Domenica Bueti & Mathew Diamond.
- Lecture 2, The conscious time arrow in our mind. Trieste Encounters in Cognitive Science: timing & temporal cognition, Trieste, Italy. Organizers: Domenica Bueti & Mathew Diamond.
- Neural oscillations: reconciling timing & meaning. Neural Oscillations in Speech and Language Processing, Berlin, Germany.
- Multisensory integration, time structures, & abstraction in the human mind. The Bayesian Sensory Brain and Beyond, Fondation des Treilles, France.
- Timing speech content. Cortical oscillations in speech and language processing Symposium, Cognitive Neuroscience Society, San Francisco, USA.
- Time in mind. ENP days, Paris, France.

2016

- Time the mind. ENS séminaires en neurosciences computationnelles, Paris, France.
- Time consciousness. Time in Tokyo, Tokyo, Japan.
- Oscillatory neural activity controls the encoding of continuous speech. BIOMAG, Seoul, South Korea.
- Speech and neural oscillations. Groupe de recherche en audiologie expérimentale et clinique. Marseille, France.
- Le référentiel temps comme dimension fondamentale du soi. Sens de soi dans la schizophrénie : neurosciences, phénoménologie et rétablissement. Lyon, France (Organizer : Brice Martin)
- Comment notre cerveau conçoit-il le temps? Les nouveaux colloques de l'Orme (2016), France (Organizer : Etienne Klein)

2015

- Temporal Cognition. OHBA series, Oxford, UK.
- Temporal Cognition: time as content, time as structure. MEG Symposium. Tuebingen, Germany.
- Temporal Cognition. Brain & Mind Symposium. Långvik, Finland.
- Time as content, time as structure. Brain & Cognition seminars. Biotech Campus, Geneva, Switzerland.
- MEG minds about time: cortical dynamics as cognitive chronoarchitecture. Brain & Spine Institute, Imagining the normal and pathological brain dynamics, Paris, France. (Organizers: Elekta & Nathalie George & Denis Schwartz)
- Top-down causation and optimization of neural processes. European Institute for Theoretical Neuroscience, Power-laws & Multiple Scales in Neural Systems Workshop, Paris, France. (Organizers: Gaute Einvoll & Alain Destexhe)

2014

- Time in the brain, times in the mind. Festival della Scienza, Genoa, Italy.
- Structuring events in time and the brain's chronoarchitecture. Bernstein Conference Satellite Workshop "Neural representations of time: experiments, models, theory", Göttingen, Germany.
- Cerveau, Cognition & Temps. Collège de France, Paris, France.
- Temporal event structuring and the brain's chronoarchitecture. IRCAM Mamux seminars, Paris, France.
- Temporal event structure and the brain's chronoarchitecture. Timely conference, Corfu, Greece.
- Reverse hierarchy learning capitalizes on supramodal processing. Synaesthesia in perspective workshop. Hamburg, Germany.
- The temporal structure of sensory events and supramodal processing. 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

- Temporal logistics in brain functions: implications for temporal cognition. Centre de Neurosciences Paris-Sud, Orsay, France.
- Temporal logistics in brain functions: implications for temporal cognition. McGill University, Montreal Neurological Institute, Canada.
- Temporal logistics in brain functions: implications for temporal cognition. MIT-McGovern, Boston, USA.
- Temporal logistics in brain functions: implications for temporal cognition. Univ Maryland College Park, USA.
- Encoding and structuring events for time perception. Time Nanosymposium, Society for Neurosciences, New Orleans, USA.
- Temporal predictions and time awareness. "Brain rhythms, temporal expectations and the awareness of time" symposium, Biomag, 18th International Conference on Biomagnetism, Paris, France.
- (En)(de)coding time in the brain. Konstanz University, Germany.
- En(de)coding time in the brain. Paris-Chicago conference on Neural Representations of Reality and Illusion. The University of Chicago Center in Paris, France.
- Timing and (supr)amodal perception. GIPSA lab, Grenoble, France.
- Measuring time in cognitive neurosciences. Measuring Time workshop, Irish Research Council, University College Cork, Ireland.

2011

- Multiplexing the encoding of time. Brain dynamics and conscious time session, Time and the Conscious brain symposium, Hanse-Wissenschaftskolleg (HWK), Delmenhorst, Germany.
- Empirical findings in the theoretical context of time perception/processing. International Society for the Study of Time, Time & Emergence Symposium, Paris, France.
- Timing and temporal processes in multisensory/amodal perception. Consolider-CogNeuro seminar series, Universita Pompeu Fabra, Spain.
- Mechanisms of time perception. Neurointensive Care Conference - Delirium in the ICU, Versailles France
- Time and temporal processes in multisensory perception. Institut Cerveau et Moëlle Epinière, Paris, France.
- Time and temporal processes in multisensory perception. Tübingen, Germany.
- Time and temporal processes in multisensory perception. IRBA, France.

2010

- Access Dynamics of and in multisensory perception. Institut de Neurosciences Cognitives de la Méditerranée, Marseille, France.
- Timing cognition and brain dynamics. DGA-CEA day, Human-Machine interfaces, Gif-sur-Yvette, France.
- From neural desynchronies to perceptual unity and back. COST Timely workshop 1, Athens, Greece.
- Access to time and timing in audiovisual perception. Multisensory day. ENS Paris, France
- Time-resolved large-scale brain activity: *insights from cognitive neurosciences, psychophysics, magnetoencephalography (MEG), and electroencephalography (EEG)*. Multiscale analysis of neural systems. Gif sur Yvette, France.

-2010

- Amodal representations in multisensory perception (2009). Birmingham University, UK, September.
- There is more to multisensory perception than temporal coincidence (2008). École Normale Supérieure, Département d'Études Cognitives, Paris, France, June.
- Multisensory perceptions and the missing Gestalts (2008). Cerco, Toulouse, France, June.
- Multisensory perceptions and the missing Gestalts (2007). Neurospin, Paris, France, December.
- Analysis-by-synthesis in auditory-visual speech perception: multi-sensory motor interfacing. *International Congress of Phonetic Sciences*, Saarbrücken, Germany, August 2007.
- van Wassenhove V, Buonomano D, Shimojo S, Shams L (2006) Altering subjective time perception within and across senses. *36th Annual Meeting of the Society for Neurosciences*, Atlanta, USA, October 2006.
- van Wassenhove V (2006) Multisensory (auditory-visual) perceptions: speech and non-speech analysis systems. École Normale Supérieure, Département d'Études Cognitives, Paris, France.
- van Wassenhove V, Seitz AR, Shams L (2006) Statistical Learning of auditory-visual associations. *International Multisensory Research Forum 7th Annual Meeting*, Dublin, Ireland, June 2006.
- van Wassenhove V (2005) "Analysis-by-synthesis" in auditory-visual speech perception. *6th Annual Meeting of the International Multisensory Research Forum*, Rovereto, Italy, June 2005.
- van Wassenhove V (2004) A brain's eye-view of auditory-visual speech perception. University of Santa Cruz, Santa Cruz, CA, USA.
- van Wassenhove V (2004) Analysis-by-synthesis in auditory-visual speech perception: a forward model of multisensory integration. Nathan Kline Institute, Orangeburg, NY, USA.
- Grant KW, van Wassenhove V (2004) Spectro-temporal interactions in auditory-visual perception: how the eyes modulate what the ears hear. *Acoustical Society of America*, New York, NY, May 2004.
- van Wassenhove V, Grant KW, Poeppel D (2004) *Neural dynamics of auditory-visual speech fusion*. EPIC XIV, Leipzig, Germany, March 2004.
- van Wassenhove V, Grant KW, Poeppel D (2003) A forward model of auditory visual speech fusion. *Brain and Language Conference sponsored by KIT and MIT*, Tokyo, Japan.

POSTERS (likely not up to date)

2018

- Prabh, P, Gauthier, B, Karunakar, K, van Wassenhove, V (2018) Measuring hippocampal activity with MEG. SAMBA, Salzburg, Austria.
- Grabot, L, van Wassenhove, V. (2018). Parieto-frontal regions and alpha power involved in postdiction, Cognitive Neuroscience Society (CNS), Boston, USA.
- Kononowicz, T.W., Roger, C., and Van Wassenhove, V. (2018). Temporal metacognition as the decoding of self-generated brain dynamics. Cognitive Neuroscience Society, Boston. Cognitive Neuroscience Society (CNS), Boston, USA.

2017

- Grabot, L, van Wassenhove, V. (2017). Time order is a psychological bias. Selected oral, Neuroscience Workshop Saclay, Gif-sur-Yvette, France.
- Gauthier, B., Pestke, K., van Wassenhove, V. (2017, August) Ordering events in space and time. ICON, Amsterdam, Netherlands.
- Kononowicz, T., Roger, C., van Wassenhove, V. (2017, August) Brain self-decoding supports temporal metacognition. ICON, Amsterdam, Netherlands.
- Grabot, L., Kononowicz, T., Dupré Latour, T., Gramfort, A., Doyère, V., van Wassenhove, V. (2017, August) Alpha/beta nesting during time production and meta-cognition. ICON,, Amsterdam, Netherlands.
- La Rocca, D., Engemann D.A., van Wassenhove, V., Ciuciu, P. (2017, August) Oscillatory networks changes following multisensory training. ICON, Amsterdam, Netherlands.
- Grabot, L., van Wassenhove, V. (2017, August) Time order is a psychological bias. ICON, Amsterdam, Netherlands. ICON, Amsterdam, Netherlands.
- Martin, B., Wiener, M, van Wassenhove (2017, August) A Bayesian perspective on accumulation in the magnitude system. ICON, Amsterdam, Netherlands.
- Dupré la Tour, T., Tallot, L., Grabot, L., Doyere, V, van Wassenhove, V, Grenier, Y, Gramfort, A (2017) Organization for Human Brain Mapping (OHBM, June), Vancouver, USA.

2016

- Kononowicz TW, Roger C, Grabot L, van Wassenhove V (2016) Oscillatory indices of temporal metacognition in time estimation. Society for Neuroscience, San Diego, USA.
- Kononowicz TW, van Wassenhove V (2016) Temporal expectation biases duration judgments. Biomag, Seoul, Korea.
- Engemann DE, van Wassenhove V (2016) Dynamic scales of spontaneous neuromagnetic activity. Biomag, Seoul, South Korea.
- Engemann DE, Sassenhagen J, Jas M, Larson E, Parkkonen L, Hämäläinen M, Bzdok D, Gramfort A, van Wassenhove V (2016) MNE-HCP software for processing the Human Connectome Project MEG data in Python. Biomag, Seoul, South Korea.
- Gauthier B, van Wassenhove V (2016) Cognitive mapping of mental travels in time and in space. APA, Chicago, USA.
- Kononowicz TW, van Wassenhove V (2016) Temporal expectation biases duration judgments. Symposium on Biology of Decision Making, Paris, France.
- Grabot L, van wassenhove V (2016) Subjective temporal order reveals stability of an individual's bias over time, APA, Chicago USA.
- Gauthier B, Martin B, Pestke K, van Wassenhove (2016) Mental travels in time and in space: parietal overlap in dissociated networks. Cognitive Neuroscience Society, NYC, USA.
- Grabot L, Kösem A, Azizi L, van Wassenhove V (2016) The inter-individual variability in temporal order perception is captured by the fluctuations of pre-stimulus alpha power. NeWs, Paris, France.

2015

- Grabot L, Kösem A, van Wassenhove V (2015) The functional relevance of neural oscillations for temporal encoding. Rovereto Attention Workshop, UNITN, Italy.

- Tajuddin H, Kononowicz TW, Roger C, van Wassenhove V (2015) Are we conscious of our internal clock? Society For Neurosciences, Chicago.
- Kononowicz TW, van Wassenhove V (2015) Decoding perceived duration in various sensory modalities from MEG-EEG data. Society For Neurosciences, Chicago.
- Becker R, Ciuciu P, van Wassenhove V, Van De Ville D, Kleinschmidt A (2015) Alpha oscillations modulate 1/f slope of slow spontaneous brain activity. OHBM Honolulu, Hawaii, USA.
- Gauthier B, Pestke K, Martin B, van Wassenhove V (2015) Mental Travels in Time and in Space: Overlapping and Dissociable Functional Networks. OHBM Honolulu, Hawaii, USA
- Grabot L, Kösem A, van Wassenhove V (2015) The functional relevance of neural oscillations for temporal encoding. OHBM Honolulu, Hawaii, USA.
- Gauthier B, Martin B, Pestke K, van Wassenhove V (2015) Mental travels in time and in space: overlapping and dissociable functional networks, Fondation IPSEN, Paris, France.
- Grabot L, Kösem A, Pestke K, Azizi, van Wassenhove (2015) Perceiving temporal order. Society for Neurosciences, Fondation IPSEN, Paris, France.
- Kösem A, Basirat A, Azizi L, van Wassenhove (2015) Brain oscillatory mechanisms of ambiguous speech parsing. Micro-, meso-, and macro-dynamics of the brain, Fondation IPSEN, Paris, France.
- Gauthier B, Martin B, Pestke K, van Wassenhove V (2015) Mental travels in time and in space: overlapping and dissociable functional networks, Fondation IPSEN, Paris, France.

2014

- Kösem A, Basirat A, Azizi L, van Wassenhove (2014) Oscillatory mechanisms of ambiguous speech parsing. Society for Neurosciences, Washington DC, USA.
- Martin B, Gauthier B, van Wassenhove V (2014) Domain-specific networks from contrasting mental travels in time and space. Society for Neurosciences, Washington DC, USA.
- Kononowicz T, Lecoutre L, van Wassenhove V (2014) The role of multisensory signals in interval timing: an MEG study. Society for Neurosciences, Washington DC, USA.
- Grabot L, Kösem A, Pestke K, van Wassenhove (2014) Interplay between alpha and the phase of low-frequency oscillations in the encoding of time order. Society for Neurosciences, Washington DC, USA.
- Gautier B, Pestke K, van Wassenhove V (2014) Electromagnetic signatures of mental travel in time and space. Society for Neurosciences, Washington DC, USA.
- Strauss M, Sitt J, King J-R, Elbaz M, Azizi L, Buiatti M, van Wassenhove V, Dehaene S (2014) Disruption of hierarchical auditory predictive coding during sleep. Association for the Scientific Study of Consciousness, Brisbane, Australia.
- Gauthier B, van Wassenhove V (2014) Common and distinct electromagnetic correlates of mental travel in time and space. International Conference on Cognitive Neuroscience, Brisbane, Australia.
- Gautier B, van Wassenhove V (2014) Distance effects in mental time and space travels. International Conference on Timing and Time Perception at Corfu, Greece.

2012-13

- Martin JR, Kösem A, van Wassenhove (2013) When the brain fails to recalibrate audiovisual simultaneity: hysteresis in time perception. 14th IMRF, Jerusalem, Israël.
- Zilber N, Ciuciu P, Abry P, van Wassenhove V (2012) Learning-induced modulation of scale-free properties of brain activity measured with MEG. IEEE ISBI, San Francisco, USA.
- Zilber N, Ciuciu P, Gramfort A, van Wassenhove V (2012) Acoustic textures and visual motion act in concert: metamodal plasticity observed with MEG. Society for Neurosciences, New-Orleans, USA.
- Abry P, Zilber N, Gramfort A, van Wassenhove V, Ciuciu P (2012) Beyond oscillations: are scale-free dynamics of MEG signals markers of neural plasticity? Society for Neurosciences, New-Orleans, USA.
- Kösem A, Gramfort A, van Wassenhove V (2012) Adapting to audiovisual asynchronies: phase shifts of low frequency oscillations in sensory cortices correlate with perceived shifts in temporal order. Society for Neurosciences, New-Orleans, USA.

- Erra RG, van Wassenhove V (2012) Oscillatory mechanisms for subjective temporal representations: the role of entrainment and phase resetting of ongoing neural oscillations. Society for Neurosciences, New-Orleans, USA.
- Roger C, Buiatti M, van Wassenhove V (2012) How do cognitive mechanisms react and adjust after a disruption of the internal clock? A combined MEG-EEG study. Society for Neurosciences, New-Orleans, USA.
- Gauthier B, van Wassenhove V, Kleinschmidt A (2012) Frequency-dependent topographical variations of visual steady-state responses recorded by MEG. Biomag, 18th International Conference on Biomagnetism, Paris, France.
- Kösem A, Gramfort A, van Wassenhove V (2012) Phase shifts of low-frequency oscillations in visual and auditory cortices predict temporal recalibration. Biomag, 18th International Conference on Biomagnetism, Paris, France.
- Zilber N, Ciuciu P, Gramfort A, van Wassenhove V (2012) Acoustic textures improve motion discrimination: indexing plasticity with MEG. Biomag, 18th International Conference on Biomagnetism, Paris, France.
- Roger C, Buiatti M, van Wassenhove V (2012) Self-monitoring of internal clock shifts: automatic vs. conscious access to time. Biomag, 18th International Conference on Biomagnetism, Paris, France.
- Martin B, Giersch A, Huron C, van Wassenhove V (2012) Temporal event structure and timing Temporal processing in clinical populations, Aristotelio University , Thessaloniki, Greece.

2010-11

- Lambrechts A, Walsh V, van Wassenhove V (2011) A magnitude system for the processing of time, space and quantity? Time and the Conscious Brain, Hanse-Wissenschaftskolleg, Delmenhorst, Germany
- Kösem A, van Wassenhove V (2011) Temporal boundary of attentional selection in audiovisual perception. Time and the Conscious Brain, Hanse-Wissenschaftskolleg, Delmenhorst, Germany.
- Kösem, A, van Wassenhove V (2011) Temporal boundary of attentional selection in audiovisual perception. ICON XI, Mallorca, Spain.
- Gabriel R, Hinkley A, Herman V, van Wassenhove V, Nagarajan S (2010) Spatiotemporal activation of multisensory cortical regions during audiovisual integration. SFN San Diego, USA.
- Gabriel R, van Wassenhove V, Nagarajan S (2010) Spatiotemporal activation of the superior temporal sulcus during audiovisual integration. HBM Barcelona, Spain.

- 2010

- Stoegbauer H, van Wassenhove V, Shimojo S (2007) Visual processing of saltation illusion. *Vision Sciences Society 7th Annual Meeting*, Sarasota, USA.
- Kiebel SJ, van Wassenhove V, Friston KJ, von Kriegstein K (2007) Predictive coding in speech perception. *Annual Meeting of The Organization for Human Brain Mapping*, Chicago, USA.
- Segnini R, van Wassenhove V, Okada M, Shimojo S, Kashino M (2007) Integrating Subjective and Objective Measurements in Gesture Research. *International Society for Gestures Studies*, Evanston, USA.
- Shams L, Seitz AR, van Wassenhove V (2006) Auditory-visual statistical learning. *Vision Sciences Society 6th Annual Meeting*, Sarasota, USA.
- van Wassenhove V, Nagarajan SS (2006) Auditory-visual habituation in perceptual recalibration. *Cognitive Neuroscience Society 13th Annual meeting*, San Francisco, USA.
- van Wassenhove V, Nagarajan SS (2005) Multisensory habituation to auditory-visual (de)synchrony. *Society for Neurosciences 35th Annual meeting*, Washington D.C., USA.
- Nagarajan NS, van Wassenhove V, Hairston IS (2005) Plasticity of auditory cortex associated with perceptual improvements in a temporal modulation rate discrimination task. *Society for Neurosciences 35th Annual Meeting*, Washington D.C., USA.
- Skipper JI, Nusbaum HC, van Wassenhove V, Barber C, Chen EE, Small SL (2005). The role of ventral premotor and primary motor cortex in audiovisual speech perception. *The Organization for Human Brain Mapping*, Toronto, Canada.
- van Wassenhove V, Hairston IS, Nagarajan SS (2005) Neural correlates of auditory perceptual learning for modulation rate discrimination. *Cognitive Neuroscience Society 12th Annual Meeting*, New York City, USA.

- van Wassenhove V, Hairston IS, Nagarajan NS (2005) Neural correlates of auditory perceptual learning for modulation rate discrimination. *Imaging Research Symposium*, University of California, San Francisco, USA.
- van Wassenhove V, Grant KW, Poeppel D (2004) "Analysis-by-synthesis" in auditory-visual speech perception. *Summer Institute in Cognitive Neuroscience*, Dartmouth College, Hanover, USA.
- Skipper JI, van Wassenhove V, Nusbaum HC, Small SL (2004) Hearing lips and seeing voices in the brain: motor mechanisms of speech perception. *Cognitive Neuroscience Society 11th Annual Meeting*, San Francisco, USA.
- Skipper JI, Nusbaum HC, van Wassenhove V, Dick F, Small SL (2004) Your brain says what it sees: motor mechanisms of audiovisual speech perception. *Human Brain Mapping*, Budapest, Hungary.
- van Wassenhove V, Grant KW, Poeppel D (2003) Electrophysiological study of auditory-visual speech desynchronization. *Society for Neurosciences 33rd Annual Meeting*, New Orleans, USA.
- van Wassenhove V, Grant KW, Poeppel D (2003) Electrophysiological characterization of multisensory facilitation effects in bimodal speech. *Bioscience Day*, College Park, USA.
- van Wassenhove V, Grant KW, Poeppel D (2003) Electrophysiological characterization of multisensory facilitation effects in bimodal speech. *International Multisensory Research Forum*, Hamilton, Canada.
- van Wassenhove V, Grant KW, Poeppel D (2003) Electrophysiological profile of auditory-visual speech: an event-related study. *Cognitive Neuroscience Society 10th Annual Meeting*, New York, USA.
- van Wassenhove V, Grant KW, Poeppel D (2002) Temporal Integration in the McGurk Effect. *Cognitive Neuroscience Society 9th Annual Meeting*, San Francisco, USA.
- van Wassenhove V, Grant KW, Poeppel D (2001) Timing of Auditory-Visual Integration in the McGurk Effect. *Society for Neurosciences 30th Annual Meeting*, San Diego, USA.