**Gilles Vannuscorps**

Born on July 28, 1985 in Huy (Belgium)

Ph.D. in Psychological Sciences

Certified speech-language therapist

French (mother tongue), English (Proficient), Italian (Basic) and Dutch (Basic) user

🖂 gvannuscorps@fas.harvard.edu

**Career Summary**

Six years of research experience on the neuropsychology of language, action and perception. The main approach was the neuropsychological study of individuals with developmental and acquired (focal and degenerative) language, perceptual, motor or conceptual disorders. Several original theoretical and empirical contributions published.

French (Mother tongue)

English (Proficient User, C1)

Dutch (Basic user, A2)

Italian (Basic user, A2)

**Academic Appointments**

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| Postdoctoral Research Fellow,  |  |
|  Department of Psychology, Harvard University, U.S. (MA) | *2013 - present* |
|  Center for Mind/Brain Sciences, University of Trento, Italy (TN). | *2013 - present* |
|  Supervisor: Professor Alfonso Caramazza |  |
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| Research Fellow, |  |
| Institute of Psychological Sciences, Université catholique de Louvain, Belgium  | *2008 – 2013* |
| Advisor: Professor Agnesa Pillon |  |

**Education**

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| --- | --- |
| Ph.D. Psychological Sciences.  |  |
| Université catholique de Louvain, Belgium. | *2008 – 2013* |
| Advisor: Professor Agnesa Pillon |  |
| Dissertation: ‘On the role of motor representations and processes in the comprehension of actions and objects’. |  |
|  |  |
| M.A. Speech Therapy |  |
| Mention: *Avec la plus grande distinction* (1st of the promotion each year).  | *2005 – 2008* |
| Université catholique de Louvain, Belgium. |  |
|  |  |
| B.A. Psychology |  |
| Mention: *Avec la plus grande distinction* (1st of the promotion each year). Université catholique de Louvain, Belgium | *2003 – 2005* |

**Grants, Fellowships and Honors**

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| Rovereto Workshop on Concepts, Actions, and Objects. Best poster award.  | *2015* |
| University of Trento. Research fellowship.  | *2013-2015* |
| Université catholique de Louvain. Additional postdoctoral fellowship.  | *2013-2014* |
| Belgian American Exchange Foundation (BAEF). Honorary Fellowship. | *2013* |
| Fondation Fyssen (France). Postdoctoral Fellowship. (declined).  | *2013* |
| Journal *Cognitive Neuropsychology.* Award for outstanding research by an early-stage researcher in the field of cognitive neuropsychology. | *2012* |
| Université catholique de Louvain. Best poster award.  | *2011* |
| Fonds National de la Recherche Scientifique (Belgium). Research Fellowship.  | *2009-2013* |
| Fonds Spécial de la Recherche (Belgium). Doctoral Research Fellowship.  | *2008-2009* |
| Université catholique de Louvain. M.A. with Summa Cum Laude | *2008* |
| Université catholique de Louvain. B.A. with Summa Cum Laude | *2005* |

**Publications**

|  |  |
| --- | --- |
| [5] | **Vannuscorps, G.** & Caramazza, A. (in press). Typical biomechanical bias in the perception of congenitally absent hands. *Cortex* |
|  |  |
| [4] | **Vannuscorps, G**., Andres, M., & Pillon, A. (2014). Is motor knowledge part and parcel of the concept of manipulable artifacts ? Clues from a case of upper limb aplasia. *Brain and Cognition, 84*, 132-140. |
|  |  |
| [3] | **Vannuscorps, G**., Andres, M., & Pillon, A. (2013). When does action comprehension need motor involvement ? Evidence from upper limb aplasia. *Cognitive Neuropsychology, 30*, 253-283.  |
|  |  |
| [2] | **Vannuscorps, G**., Pillon, A., & Andres, M. (2012). Effect of biomechanical constraints in the hand laterality judgment task: Where does it come from? *Frontiers in Human Neuroscience, 6*, 299. |
|  |  |
| [1] | **Vannuscorps, G**. & Pillon, A. (2011). A domain-specific system for representing knowledge of both man-made objects and human actions. Evidence from a case with an association of deficits*. Neuropsychologia, 49*, 2321-2341. |

**Manuscripts (submitted/in revision)**

|  |  |
| --- | --- |
|  | **Vannuscorps, G**., Dricot, L., & Pillon, A. Is the motor system involved in comprehending actions and manipulable artifacts? A longitudinal study of a patient with corticobasal degeneration. |
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|  | **Vannuscorps, G.,** & Caramazza, A. Motor simulation does not underlie action perception: evidence from upper limb dysmelia. |

**Manuscripts (in preparation)**

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|  | **Vannuscorps, G.** & Caramazza, A. Motor simulation in the perception of human motion: a critical review.  |
|  |  |
|  | **Vannuscorps, G**., Mormont, E., & Pillon, A. Masked repetition priming in Parkinson’s disease: the role of grammatical category and orthographical neighborhood |
|  |  |
|  | **Vannuscorps, G**., Mormont, E., & Pillon, A. Action naming in Parkinson’s disease : the role of the static depiction of actions.  |
|  |  |
|  | **Vannuscorps, G**., Lingnau, A., & Caramazza, A. Typical predictive eye movements during hand action observation in upper limb dysplasia: implication for mirror neuron theories of action observation.  |
|  |  |
|  | Andres, M., Pesenti, M., & **Vannuscorps, G**. Mental arithmetic with and without finger representations: are arithmetic skills embodied?  |
|  |  |
|  | Di Lucas, S. & Vannuscorps, G. Number semantic rooted in sensory-motor schemas: a single case study. |
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|  | Andres, M., **Vannuscorps, G**., Pelgrims, B., & Olivier, E. Selective contribution of the left inferior parietal lobe to hand-object interaction. |

**Conference presentations**

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| **2015** |
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| [31] | **Vannuscorps, G.** & Caramazza, A. (2015). Motor simulation does not underlie action perception: evidence from upper limb dysmelia. Talk presented at the Vision Science Society conference, St Pete Beach, U.S.A. |
|  |  |
| [30] | **Vannuscorps, G.** & Caramazza, A. (2015). Motor simulation does not underlie action perception: evidence from upper limb dysmelia. Talk presented at the Workshop on Concepts, Actions, and Objects, Rovereto, Italy.  |
|  |  |
| [29] | **Vannuscorps, G.** & Caramazza, A. (2015). Motor simulation does not underlie action perception: evidence from upper limb dysmelia. Poster presented at the European Workshop on Cognitive Neuropsychology, Bressanone, Italy |
|  |  |
| **2014** |  |
|
| [28] | **Vannuscorps, G.** & Caramazza, A. (2014). Perceptual anticipation of others’ movements: A motor or a visual origin? Poster presented at the Tagung experimentell arbeitender Psychologen (TeaP), Giessen, Germany.  |
|  |  |
| [27] | **Vannuscorps, G.** & Caramazza, A. (2014). Perceptual anticipation of others’ movements: A motor or a visual origin? Poster presented at the workshop “Concepts, Actions, and Objects: Functional and Neural Perspectives”, Rovereto, Italy.  |
|  |  |
| [26] | Andres, M., **Vannuscorps, G.,** Pelgrims, B., & Olivier, E. (2014). Selective contribution of the left inferior parietal lobe to hand-object interaction. Poster presented at the workshop “Concepts, Actions, and Objects: Functional and Neural Perspectives”, Rovereto, Italy.  |
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| **2013** |
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| [25] | **Vannuscorps, G.,** Dricot, L., & Pillon, A. (2013). Is the motor system involved in identifying actions and manipulable artifacts? A longitudinal study of a patient with corticobasal degeneration. Poster presented at the workshop “Concepts, Actions, and Objects: Functional and Neural Perspectives”, Rovereto, Italy. |
|  |  |
| [24] | **Vannuscorps, G & Pillon, A.** On the role of the motor system in comprehension. Talk presented at the Neuropsychology Workshop: From theoretical work, to practical applications, and back again: a neuropsychologist’s tale. University of Leuven, Belgium.  |
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|  |  |
| [23] | **Vannuscorps, G**., Dricot, L., & Pillon, A. Is the motor system involved in identifying actions and manipulable artifacts? A longitudinal study of a patient with corticobasal degeneration. Talk presented at the Belgian Association for Psychological Sciences, Louvain-la-Neuve, Belgium.  |
|  |  |
| **2012** |
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| [22] | Di Luca, S. & **Vannuscorps, G**. Number semantic rooted in sensory-motor schemas: a single case study. Talk presented at theUniversity of Luxembourg, Walferdange, Luxembourg.  |
|  |  |
| [21] | Di Luca, S. & **Vannuscorps, G**. Number semantic rooted in sensory-motor schemas: a single case study. Talk presented at theFirst meeting on ‘Advances in numerical cognition research’, Université libre de Bruxelles, Brussels, Belgium. |
|  |  |
| [20] | **Vannuscorps, G.** Une batterie d’évaluation des troubles lexico-sémantiques: dissociation des catégories grammaticales. Talk presented at the Conférence Logopédie & Aphasie, Clinique universitaires Sain-Luc, Bruxelles, Belgium. |
|  |  |
| [19] | **Vannuscorps, G.,** Andres, M., & Pillon, A. (2012). When does action comprehension need motor involvement? Evidence from upper limb aplasia. Poster presented at the workshop “Concepts, Actions, and Objects: Functional and Neural Perspectives”, Rovereto, Italy.  |
|  |  |
| [18] | Di Luca, S. & **Vannuscorps, G.** (2012). Number semantic rooted in sensory-motor schemas: a single case study. Poster presented at the workshop “Concepts, Actions, and Objects: Functional and Neural Perspectives”, Rovereto, Italy. |
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| **2011** |
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| [17] | **Vannuscorps, G.,** Andres, M. & Pillon, A. The role of mirror neurons in action understanding. Talk presented at theBelgian Association for Psychological Sciences, Ghent, Belgium.  |
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| [16] | **Vannuscorps, G.** & Pillon, A. The role of the motor system in action comprehension. Talk presented at theSymposium “Memory in normal aging and preclinical dementia: Insights from cognitive and neuroimaging studies”, Brussels, Belgium.  |
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| [15] | **Vannuscorps, G.,** Andres, M. & Pillon, A. The motor theory of action understanding. Insight from an individual with upper limb aplasia. Talk presented at the Institute of Psychological Sciences , Université catholique de Louvain, Louvain-la-Neuve, Belgium. |
|  |  |
| [14] | **Vannuscorps, G.** Seeing the world without arms. When does motor knowledge contributes to (re)cognition ? Talk presented at theDepartment of Experimental Psychology, Ghent University, Belgium. |
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| [13] | **Vannuscorps, G.** Le diagnostic cognitif des troubles lexico-sémantiques chez le patient aphasique – une perspective intégrant la catégorie grammaticale « verbes ». Talk presented at theCentre de revalidation neuropsychologique, Cliniques universitaires Saint-Luc, Bruxelles, Belgium.  |
|  |  |
| [12] | **Vannuscorps, G.** Le diagnostic cognitif des troubles lexicaux pour les noms et les verbes chez la personne aphasique.Talk presented at theUnion professionnelle des logopèdes francophones, Liège, Belgium. |
|  |  |
| [11] | **Vannuscorps, G.,** Andres, M. & Pillon, A. When does motor competence contributes to action comprehension? Poster presented at the Ph.D.Day of the Institute of Neuroscience, Université catholique de Louvain, Bruxels, Belgium.  |
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| [10] | **Vannuscorps, G.,** Andres, M. & Pillon, A. When does motor competence contributes to action comprehension? Poster presented at the Symposium “Social Brain”, Brussels, Belgium.  |
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| [9] | **Vannuscorps, G.,** Andres, M. & Pillon, A. What is the role of motor simulation in action understanding? Poster presented at the Experimental Psychology Society, Nottingham, England.  |
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| **2010** |
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| [8] | **Vannuscorps, G.,** Andres, M. & Pillon, A. Upper limb aplasia does not hamper manual action understanding. Poster presented at the workshop “The Embodied Mind. Perspectives and Limitations”, Nijmegen, The Netherlands.  |
|  |  |
| [7] | **Vannuscorps, G.** Diagnostic différentiel d’un déficit de production pour les verbes. Talk presented at theCentre de réadaptation neuropsychologique, Hôpital Brugmann, Bruxels, Belgium. |
|  |  |
| [6] | **Vannuscorps, G.,** Andres, M. & Pillon, A. (2010). Upper limb aplasia does not hamper manual action understanding . Talk presented at thePh.D. Day of the Institute of Neuroscience, Université catholique de Louvain, Bruxelles, Belgium.  |
|  |  |
| [5] | **Vannuscorps, G.** & Pillon, A. (2010). A case of a selective conceptual deficit for artifacts and **a**ctions. Talk presented at theBelgian Association for Psychological Sciences, Brussels, Belgium.  |
|  |  |
| [4] | **Vannuscorps, G**. & Pillon, A. (2010). Un cas de déficit sémantique spécifique aux actions et aux objets manufacturés. Talk presented at theInstitute of Psychological Sciences, Université catholique de Louvain, Louvain-la-Neuve, Belgium.  |
|  |  |
| [3] | **Vannuscorps, G.,** Pillon, A. & Andres, M (2010). Does motor imagery depend on motor experience? Poster presented at the Belgian Association for Psychological Sciences, Brussels, Belgium.  |
|  |  |
| **2009** |
|
| [2] | **Vannuscorps, G.** Le verbe, le geste et le concept d’action. Etude d’un cas. Talk presented at theCentre de revalidation neuropsychologique, Cliniques universitaires Saint-Luc, Bruxelles, Belgium.  |
|  |  |
| [1] | **Vannuscorps, G.** & Pillon, A. (2009). A case of a selective conceptual deficit for artifacts and actions. Poster presented at the Neurobiology of Language Conference, Chicago, USA.  |

**Peer Review**

Acta Psychologica, Plos One, Frontiers in Human Neuroscience, Frontiers in Psychology: Cognition, Brain & Cognition

**Teaching**

|  |  |
| --- | --- |
| Guest Lectures  |  |
| “The content and organization of conceptual knowledge.” (6 hours). | *2013* |
|  Questions of neuroscience (2nd Master)  |  |
|  Université catholique de Louvain, Belgium.  |  |
|  |  |
| “Diagnostic in aphasia – the case of nouns and verbs” (8 hours) | *2012* |
| Additional training for speech therapists.  |  |
| Union professionnelle des logopèdes francophones, Belgium. |  |
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| Assistantship |  |
| Bibliographic Research Methods. (20 hours).  | *2008* |
|  Prof. A. Constant, Université libre de Bruxelles.  |  |
|  |  |
| Supervisor |  |
| Master’s thesis in speech therapy and in neuropsychology  |  |
| Université catholique de Louvain, Belgium (2 - 3 per year). | *2009-2013* |
| Université libre de Bruxelles, Belgium (2 - 3 per year). | *2009-2013* |
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| Tutor |  |
| Clinical internships in speech therapy and in neuropsychology |  |
| Université catholique de Louvain, Belgium (2 - 3 per year). | *2009-2013* |
| Université libre de Bruxelles, Belgium (2 - 3 per year). | *2009-2013* |

**Clinical experience**

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| Internships  |  |
| Developmental disabilities: diagnosis and rehabilitation. (450hs) | *2009* |
| Dyslexia, dysphasia, dyscalculia, dysarthria |  |
| Centre de Consultations Psychologiques Spécialisées, Université catholique de Louvain |  |
|  |  |
| Aphasia & neuropsychological disorders: diagnosis and rehabilitation. (450hs) | *2009* |
| Lexical, syntactic, conceptual, articulation disorders in the context of aphasia |  |
| Centre de Revalidation Neuropsychologique, Cliniques universitaires Saint-Luc |  |
|  |  |
| Experience with patients in the context of research |  |
| Project: “The representation of verbs, nouns, actions and object in Mind/Brain” |  |
| Cognitive evaluation of aphasic patients (± 20 patients, 4 – 40hs each) | *2008-2013* |
| Cognitive evaluation of patients with Alzheimer Disease (7 patients, 2hs each) | *2009* |
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| Project: “Intensive multimodal therapy for conceptual disorders” |  |
| Evaluation and experimental therapy on one aphasic patient (± 40 hours) | *2010* |
|  |  |
| Project: “The role of the motor system in action and tools processing” |  |
| Sensory, motor, praxis, linguistic and conceptual evaluation of one patient with Cortico-Basal Degeneration (four-year longitudinal study, ± 40hs) | *2009-2013* |
| Cognitive evaluation of apraxic patients (5 patients, 4 – 10hs each) | *2009-2011* |
| Cognitive evaluation of patients with Parkinson’s Disease (12 patients, 4hs each) | *2011-2013* |

**Departmental Service**

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| Representative  |  |
| of the Ph.D. students and the post-doctoral fellows of the Institute of Psychology | *2011-2012* |
| at the Human Science Sector, U.C.L. (Peer-elected position) |  |
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| of the Ph.D. students and the post-doctoral fellows of the Institute of Psychology | *2011-2012* |
| at the Belgian Psychology Doctoral School. (Peer-elected position) |  |
|  |  |
| of the Ph.D. students and the post-doctoral fellows of the Institute of Psychology | *2009 – 2012* |
| at the Institute of Psychology, U.C.L. (Peer-elected position) |  |
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| Member |  |
| of the Doctoral Committee of the Institute of Psychological Sciences | *2010-2012* |
| Université catholique de Louvain. (Peer-elected position) |  |
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| of the Council of the Institute of Psychological Sciences | *2009-2012* |
| Université catholique de Louvain. (Peer-elected position) |  |

**Service to the community**

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| Free-access battery for the diagnosis of lexical and conceptual deficits in aphasia. (± 90 users in Belgium, France and Switzerland.) | *2010- present* |
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| Organisation/animation of activities for adults with mental disabilities. (1/week) | *2007 – 2008* |
| La Cognée, Louvain-la-Neuve, Belgium |  |
|  |  |
| Organisation/animation of activities (2/year) and holiday camps (1/year) for children with mental disabilities. J&S, Liège, Belgium. | *2003 – 2008* |