

## CURRICULUM VITAE M ROUSSEL 2016

### PERSONAL DATA

ROUSSEL Martine Neuropsychologist (PhD)

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### DIPLOMAS

Master (Experimental Psychology) (Lille, University, 1997) and PhD thesis<sup>1</sup> (Dir Pr P. Leconte; Lille University, 2002)

Master (Neuropsychology) (Chambery, University, 2004)

### PRESENT POSITION AND ADMINISTRATIVE ACTIVITIES

Full time neuropsychologist of Neurology of the University Hospital of Amiens (since 2002)

Member of the laboratory of Functional Neurosciences (since 2006)

President of the Picardy network of Neuropsychology (since 2007)

Executive committee of psychologist collegium of the hospital of Amiens (2013)

Executive Committee of the French Speaking Society of neuropsychology (since 2014)

### TEACHING ACTIVITIES

**Psychological students (MASTER)** and **Paramedical students** (Speech therapist) (MASTER), **medical doctors** (certificate of neuropsychology)

**Master in cognitive neurosciences:** French national master: Lille university, Caen university, Lyon university and Amiens University.

**Participation to international teaching activities:** Co-author of courses on Executive functions on the eBrain website of the European Academy of Neurology.

#### Teaching Books:

- Author (5) and Co-author (9) of 14 book chapters and papers for teaching purpose

### RESEARCH ACTIVITIES

#### Domains of interest:

-Clinical: Vascular cognitive impairment, Parkinson cognitive impairment, Huntington cognitive impairment and degenerative (Alzheimer, Lewy Body diseases, frontotemporal lobe degeneration) cognitive disorders

-Cognitive neurosciences: attention and executive control functions.

**Member of 2 scientific societies: Member of** European Huntington Disease Network (EHDN), **Member of the** French Speaking Society of neuropsychology

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<sup>1</sup> [http://www.risc.cnrs.fr/mem\\_theses\\_pdf/1996\\_GODEFROY.pdf](http://www.risc.cnrs.fr/mem_theses_pdf/1996_GODEFROY.pdf)

- Co-organization of 1 national scientific meetings/sessions** in the domain of neuropsychology
- Organization of 8 regional scientific meetings/sessions** in the domain of neuropsychology
- Organization of neuropsychology symposiums** of the department of Neurology of the University Hospital of Amiens

-**Member of the laboratory of Functional Neurosciences** (EA 4559)

-**Coordination of the normalization sub study of the GrecoVasc study** (GRECOG-VASC [NCT01339195]: 1005 participants)

-**Participation of tree multicenter research protocols:**

**Local support:** (GREFEX1 study: 183 participants in Amiens); (GRECOG-VASC study [NCT01339195]: 315 patients and 500 controls included in Amiens; GREFEX2 study: 150 inclusions planned in 2015),

**National support** (DGOS Etude IDEA florbetapir: ongoing inclusions) (MEMENTO study: 70 participants in Amiens); European: (NEURO-HD/REGISTRY study; European Huntington's Disease Network, EHDN)

**Private support** (NOVARTIS, REFLEX study); (Laboratoire WYETH-PFIZER, BAPINEUZUMAB study: [AAB-001, ELN115727]); (NOVARTIS, EXECUTIVE study); (ESAI, HIPPOCAMPE study) ; (NOVARTIS, VANTAGE study) ; (AVID, AV45F18 study)

-**Scientific collaborations<sup>2</sup> with 37 international (n=10) and national (n=22) research teams**

-**Scientific publications<sup>3</sup>:**

**Author of AMIENSCOG® software with protected source code (n°3986191)**

**Author and co-author of 23 papers referenced in Medline-WoScience and 2 in second lecture.**

1. Barbay M, Diouf M, Roussel M, Godefroy O. Prevalence of post-stroke neurocognitive disorders in hospital-based studies: a systematic review and meta-analysis. (under review "The Lancet Neurology")
2. Roussel M, Lhommée E, Narme P, Czernecki V, Le Gall D, Krystkowiak P, Godefroy O; on behalf of the GREFEX study group. Dysexecutive syndrome in Parkinson's disease: the GREFEX study. *Aging, Neuropsychology and Cognition*. 2016; Sep 1:1-12.
3. Boone M, Roussel M, Chauffert B, Le Gars D, Godefroy O. Prevalence and profile of cognitive impairment in adult glioma: a sensitivity analysis. *J Neurooncol*. 2016; 129(1):123-30.
4. Narme P, Roussel M, Mouras H, Picard C, Krystkowiak P, Godefroy O. Does Impaired socio-emotional functioning account for behavioral dysexecutive disorders? Evidence from a transnosological study: *Aging, Neuropsychology and Cognition*. 2016; 7:1-14.
5. Godefroy O, Bakchine S, Verny M, Delabrousse-Mayoux JP, Roussel M, Pere JJ. Characteristics of Alzheimer's Disease Patients with Severe Executive Disorders. *J Alzheimers Dis*. 2016; 51(3):815-25.
6. Roussel M, Martinaud O, Hénon H, Vercelletto M, Bindschadler C, Joseph PA, Robert P, Labauge P and Godefroy O. The behavioral and cognitive executive disorders of stroke. *PLoS One*. 2016; 29; 11(1).
7. Godefroy O, Martinaud O, Verny M, Mosca C, Lenoir H, Bretault E, Devendeville A, Diouf M, Pere JJ, Bakchine S, Delabrousse-Mayoux JP, Roussel M ; on the behalf of the GREFEX and REFLEX study groups. Crossvalidation of a shortened battery for the assessment of dysexecutive disorders in Alzheimer's disease. *Alzheimer Dis Assoc Disord*. 2016; 30(2):140-4.
8. Azouvi A, Vallat-Azouvi A, Joseph PA, Meulemans T, Bertola C, Le Gall D, Bellmann A, Roussel M, Coyette F, Krier M, Franconie C, Bindschadler C, Momar Diouf M, Godefroy ; O on behalf of the GREFEX study group Executive Functions Deficits After Severe Traumatic Brain Injury: The GREFEX Study. *J Head Trauma Rehabil*. 2016; 31(3):E10-20.
9. Godefroy O, Martinaud O, Verny M, Mosca C, Lenoir H, Bretault E Roussel M on behalf of the GREFEX study group. The dysexecutive syndrome of Alzheimer's disease. The GREFEX study. *J Alzheimer Dis*. 2014; 42: 1203-8.
10. Godefroy O, Gibbons L, Diouf M, Nyenhuis D, Roussel M, Black S, Bugnicourt JM on behalf of the GREFEX study group. Validation of an integrated method for determining cognitive ability: Implications for routine assessments and clinical trials. *Cortex*. 2014; 54: 51-62.
11. Godefroy O; GRECOG-VASC study group, Leclercq C, Bugnicourt JM, Roussel M, Moroni C, Quaglino V, Beaunieux H, Taillia H, Nédélec-Ciceri C, Bonnin C, Thomas-Anterion C, Varvat J, Aboulafia-Brakha T, Assal F. Neuropsychological assessment and cerebral vascular disease: the new standards. *Rev Neurol*. 2013; 169: 779-85.
12. Narme P, Mouras H, Roussel M, Devendeville A, Godefroy O. Assessment of socioemotional processes facilitates the distinction between frontotemporal lobar degeneration and Alzheimer's disease. *J Clin Exp Neuropsychol*. 2013; 35 (7): 728-744.
13. Narme P, Mouras H, Roussel M, Duru C, Krystkowiak P, Godefroy O. Emotional and cognitive social processes are impaired in Parkinson's disease and are related to behavioral disorders. *Neuropsychology*. 2013; 27: 182-92.
14. Bugnicourt JM, Guegan-Massardier E, Roussel M, Martinaud O, Canaple S, Triquenot-Bagan A, Wallon D, Lamy C, Leclercq C, Hannequin D, Godefroy O. Cognitive impairment after cerebral venous thrombosis: a two-center study. *J Neurol*. 2013; 260: 1324-31
15. Roussel M, Dujardin K, Hénon H, Godefroy O. Is the frontal dysexecutive syndrome due to a working memory deficit? Evidence from patients with stroke. *Brain* 2012; 135: 2192-201.

<sup>2</sup>This considers only collaborations with common funding or publication or communication

<sup>3</sup>This does not include book chapters and published abstracts from invited conferences and communications

16. Godefroy O, Martinaud O, Roussel M, AD study group GREFEX. The profile of dysexecutive disorders and syndromes of Alzheimer disease. Implications for diagnosis. American Academy of Neurology (New Orleans). Abstract in: Neurology 2012; 78 (Meeting Abstracts 1): P04.230.
17. Godefroy O, Leclercq C, Roussel M, Moroni C, Quaglino V, Beauvieux H, Taillia H, Nédélec-Ciceri C, Bonnin C, Thomas-Anterion C, Varvat J, Abouafia-Brakha T, Assal F, on the behalf of the GRECOG-VASC neuropsychological Committee. French adaptation of the Vascular Cognitive Impairment harmonization standards: the GRECOG-VASC study. Int J Stroke. 2012; 7: 362-3.
18. Peltier J, Roussel M, Gerard Y, Lassonde M, Deramond H, Le Gars D, De Beaumont L, Godefroy O. Functional consequences of a section of the anterior part of the body of the corpus callosum: evidence from an interhemispheric transcallosal approach. J Neurol. 2012; 259: 1860-7.
19. Garcia PY, Roussel M, Lamy C, Canaple S, Bugnicourt JM, Peltier J, Loas G, Deramond H, Godefroy O. Cognitive impairment and dementia following intracerebral hemorrhage: a cross-sectional study of a university hospital-based series. Journal of Stroke and Cerebrovascular Diseases 2012 doi.org/10.1016/j.jstrokecerebrovasdis.2011.06.013
20. Godefroy O, Fickl A, Roussel M, Auribault C, Bugnicourt JM, Lamy C, Canaple S, Petitnicolas G. Is the Montreal Cognitive Assessment superior to the Mini-Mental State Examination to detect post-stroke cognitive impairment? A study with neuropsychological evaluation. Stroke 2011; 42: 1712-16.
21. Godefroy O, Roussel M, Desprez P, Quaglino V, Boucart M. Age-related slowing: perceptuo-motor, decision or attention decline ? Experimental Aging Research 2010; 36: 169-189.
22. Stoquart-Elsankari S, Bottin C, Roussel-Pieronne M, Godefroy O. Motor and cognitive slowing in multiple sclerosis: An attentional deficit? Clin Neurol Neurosurg. 2010; 112: 226-32.
23. Godefroy O, Spagnolo S, Roussel M, Boucart M. Stroke and action slowing: mechanisms, determinants and prognostic value. Cerebrovasc Dis 2010; 29: 508-514. (DOI: 10.1159/000297968).
24. Bailon O, Roussel M, Boucart M, Krystkowiak P, Godefroy O. Psychomotor slowing in mild cognitive impairment, Alzheimer's disease and Lewy body dementia: mechanisms and diagnostic value. Dement Geriatr Cogn Disord 2010; 29: 388-96.
25. Godefroy O, Azouvi P, Robert P, Roussel M, LeGall D, Meulemans T on the behalf of the GREFEX study group. Dysexecutive syndrome: diagnostic criteria and validation study. Ann Neurol 2010; 68: 855-64.
26. Godefroy O, Roussel M, Leclerc X, Leys D. Deficit of episodic memory: anatomy and related patterns in stroke patients. Eur Neurology 2009; 61: 223-229.
27. Bugnicourt JM, Roussel-Pieronne M, Dupuy-Sonntag D, Canaple S, Godefroy O. Thrombose veineuse cérébrale: devenir fonctionnel et cognitif à long terme chez 16 patients. Rev Neurol 2008; 164: 131-137.
28. Deklunder G, Roussel M, Lecroart JM, Prat A, Gautier C. Microemboli in Cerebral Circulation and Alteration of Cognitive Abilities in Patients With Mechanical Prosthetic Heart Valves. Stroke. 1998;29:1821-1826.
29. Deklunder G, Prat A, Lecroart JL, Roussel M, Dauzat M. Can cerebrovascular microemboli induce cognitive impairment in patients with prosthetic heart valves? Eur J Ultrasound. 1998 Feb;7(1):47-51.

### Investigators and members of study group n=3

1. Dujardin K, Dubois B, Tison F, Durif F, Bourdeix I, Péré JJ, Duhamel A; EXECUTIVE study group. Parkinson's disease dementia can be easily detected in routine clinical practice. Mov Disord. 2010; 25: 2769-76.
2. Simonin C, Duru C, Salleron J, Hincker P, Charles P, Delval A, Youssov K, Burnouf S, Azulay JP, Verny C, Scherer C, Tranchant C, Goizet C, Debruxelles S, Defebvre L, Sablonnière B, Romon-Rousseaux M, Buée L, Destée A, Godefroy O, Dürr A, Landwehrmeyer B; REGISTRY Study of the European Huntington's Disease Network, Bachoud-Levi AC, Richard F, Blum D, Krystkowiak P; On behalf the Huntington French Speaking Network. Association between caffeine intake and age at onset in Huntington's disease. Neurobiol Dis. 2013; 58:179-82.
3. Hubers AA, van Duijn E, Roos RA, Craufurd D, Rickards H, Bernhard Landwehrmeyer G, van der Mast RC, Giltay EJ; REGISTRY investigators of the European Huntington's Disease Network. Suicidal ideation in a European Huntington's disease population. J Affect Disord. 2013 Oct; 151(1): 248-58.

### Author (78) and co-author (61) of 14 invited French conferences and 125 oral communications and posters

#### 20 illustrating communication

1. Roussel M, Martinaud O, Hénon H, Vercelletto M, Bindschadler C, Joseph PA, Robert P, Labauge P and Godefroy O. The profile of behavioral and cognitive executive disorders of stroke according to the stroke subtypes. 7th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG), Tokyo September 17-19 2015.
2. Roussel M, Martinaud O, Hénon H, Vercelletto M, Bindschadler C, Joseph PA, Robert P, Labauge P and Godefroy O. The behavioral and cognitive executive disorders of stroke World Federation of Neurology Research Group on Aphasia, Dementia & Cognitive Disorders, 27-30 (Hong Kong) novembre 2014
3. Roussel M, Doridam J, Simonin C, Benoist A, Tir M, Godefroy O, Krystkowiak P. Behavioral dysexecutive disorders in Huntington's disease. Joint Congress of European Neurology Istanbul (TR) Mai 2014 (EP3120).
4. Doridam J, Roussel M, Benoist A, Tir M, Godefroy O, Krystkowiak P. Evaluation of impulsivity in Huntington's disease with a delay discounting paradigm. Congress of European Neurology Istanbul (TR) Mai 2014 (PP4137).
5. Godefroy O, Roussel M, Durand-Birchenall J, Bryer-Lebreton C, Barbay M, Daouk J, Deramond H, Leclercq C. Lesion locations associated with post-stroke slowing: the GRECOG-VASC study European Stroke Conference (Nice) mai 2014 (R1109).
6. Lelard T, Duru C, Ahmadi S, Roussel M, Godefroy O, Mouras H, Krystkowiak P. Postural control in Parkinson's disease patients is influenced by mood state. Movement Disorder Society, Dublin Juin 2012. Résumé: Mov Dis 2012; 17 (S1): 396
7. Duru C, Lelard T, Roussel M, Yerro Y, Godefroy O, Krystkowiak P. Mechanisms of psychomotor slowing in Parkinson's disease. European Neurological Society, Prague Juin 2012. J Neurol 2012; 259 (S1): S91.
8. Godefroy O, Martinaud O, Roussel M, AD study group GREFEX. The profile of dysexecutive disorders and syndromes of Alzheimer disease. Implications for diagnosis. American Academy of Neurology (New Orleans). Neurology 2012; 78: P04.230.
9. Roussel M, Bailon O, Godefroy O. Mechanisms of psychomotor slowing in Alzheimer disease and Lewy body dementia. Alzheimer Association International Conference, Vancouver (Can) Juillet 2012; summary: Alzheimer and Dementia 2012; 8 (S2): 550.
10. Godefroy O, Spagnolo S, Roussel M. Why are stroke patients slower? 5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG), Lille, September 2011.

11. Godefroy O, Fickl A, Roussel M, Auribault C, Bugnicourt JM, Lamy C, Canaple S, Petitnicolas G. Is the Montreal Cognitive Assessment superior to the Mini-Mental State Examination to detect post-stroke cognitive impairment? 5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG), Lille, September 2011.
12. Leclercq C, Roussel M, Loas G, Deramond H, Godefroy O on the behalf of the GRECOG VASC study group. GRECOG-VASC , French adaptation of the NINDS-CSN VCI Harmonization Standards: Progress report. 5th Congress of the International Society for Vascular, Cognitive and Behavioural Disorders (VAS-COG), Lille, September 2011.
13. Narme P, Mouras H, Roussel M, Krystkowiak P, Duru C, O. Godefroy O. Role for basal ganglia and frontostriatal circuitry in empathy. Society for Neuroscience (Washington, USA) Novembre 2011. Poster 299.07/WW27.
14. Narme P, Krystkowiak P, Roussel M, Mouras H, Godefroy O. Empathy processes in Parkinson disease. 15th International Congress of Parkinson disease and movement disorders, Toronto, June 2011. *Movement Disorders* 2011; 26 (S2): S157.
15. Roussel M, Monestes JL, Loas G, Tourbier V, Yon V, Meribault C, Godefroy O. Mechanisms of psychomotor slowing in schizophrenia. Schizophrenia International research Society, Florence Avril 2010. *Résumé: Schizophrenia Research* 2010; 117:
16. Garcia PY, Bugnicourt JM, Canaple S, Lamy C, Roussel M, Godefroy O. Cognitive impairment and dementia following cerebral haemorrhage. European Neurological Society, Berlin Juin 2010. *J Neurol* 2010; 257 (S1): S85.
17. Godefroy O, Azouvi P, Robert P, Roussel M, Le Gall D, Meulemans Ton behalf of the GREFEX study group. European Neurological Society, Berlin Juin 2010. *J Neurol* 2010; 257 (S1): S48.
18. Fickl A, Roussel M, Auribault C, Petitnicolas G, Canaple S, Lamy C, Bugnicourt JM, Godefroy O. Screening of post-stroke cognitive impairment: is the Montreal Cognitive Assessment better than the Mini-Mental State Examination? XIX° European Stroke Conference Barcelona, Spain May 2010
19. Roussel M, Bailon O, Rahnema A, Routier A, Godefroy O. Mechanisms of psychomotor slowing in Alzheimer's disease and Lewy body dementia. XIX° IAGG world congress of Gerontology and Geriatrics. Paris 5 July 2009.
20. Roussel-Pieronne M, Dujardin K, Lecroart JL, Godefroy O. Deficit of recapitulation in human pathology: role of the frontal lesions. 2ème Réunion des Sociétés de Neuropsychologie Européennes, Toulouse, Octobre 2006.
21. Roussel-Pieronne M, Dujardin K, Lecroart JL, Godefroy O. Inhibition and coordination processes in working memory: role of medial frontal areas. 2ème Réunion des Sociétés de Neuropsychologie Européennes, Toulouse, Octobre 2006.
22. Cordonnier C, Henon H, Lecroart JL, Roussel-Pieronne M, Gautier C, Godefroy O, Pruvo JP, Pasquier F, Leys D, Deklunder G. Influence of HITS on neuropsychological outcome of patients with mechanical heart valves. European Neurological Society, Istanbul, Juin 2003 *Résumé : J Neurol* 2003; 250 (S2): II/187.