

1. Publications

1.1. Refereed Journal Articles

(*) both authors contributed equally.

- Fagot, D., **Chicherio, C.**, Canivet, A., Albinet, C.T., André, N., & Audiffren, M. (in preparation). *The impact of physical activity and gender on intra-individual variability in inhibitory performance in older adults.*
- Zweifel-Zehnder, A.E., Stienen, M.N., **Chicherio, C.**, Studerus-Germann, A., Bläsi, S., Rossi, S., Gutbrod, K., Schmid, N., Beaud, V., Mondadori, C., Brugger, P., Sacco, L., Müri, R., Hildebrandt, G., Fournier, J.Y., Keller, E., Regli, L., Fandino, J., Mariani, L., Raabe, A., Daniel, R.T., Reinert, M., Robert, T., Schatlo, B., Bijlenga, P., Schaller, K., Monsch, A.U.; Swiss SOS study group (2015). Call for uniform neuropsychological assessment after aneurysmal subarachnoid hemorrhage : Swiss recommendations. *Acta Neurochir (Wien)*, 157(9):1449-1458.
- Stienen, M.N., Smoll, N.R., Battaglia, M., Schatlo, B., Woernle, C.M., Fung, C., Röthlisberger, M., Daniel, R.T., Fathi, A.R., Fandino, J., Hildebrandt, G., Schaller, K., Bijlenga, P.; Swiss SOS study group (**Chicherio, C.**). (2015). Intracranial aneurysm rupture is predicted by measures of solar activity. *World Neurosurg.*, 83(4), 588-595.
- Bürki, C.N., Ludwig, C., **Chicherio, C.**, & de Ribaupierre, A. (2014). Individual differences in cognitive plasticity : An investigation of training curves in younger and older adults. *Psychological Research*, 78(6), 821-835.
- Werkle-Bergner, M., Grandy, T., **Chicherio, C.**, Schmiedek, F., Lövdén, M., & Lindenberger, U. (2014). Coordinated within-trial dynamics of low-frequency neural rhythms controls evidence accumulation. *Journal of Neuroscience*, 34(25), 8519-8528..
- Stienen, M.N., Weisshaupt, R., Fandino, J., Fung, C., Keller, E., Hildebrandt, G., Studerus-Germann, A., Müri, R., Gutbrod, K., Bläsi, S., Monsch, A.U., Brugger, P., Mondadori, C., Sailer, M., Bijlenga, P., Schaller, K., Schatlo, B.; Swiss SOS study group (**Chicherio, C.**) (2013). Current practice in neuropsychological outcome reporting after aneurysmal subarachnoid haemorrhage. *Acta Neurochir (Wien)*, 155(11), 2045-2051.
- Grandy, T.H., Werkle-Bergner, M., **Chicherio, C.**, Lövdén, M., Schmiedek, F., & Lindenberger, U. (2013). Individual alpha peak frequency is related to latent factors of general cognitive abilities. *Neuroimage*, 79, 10-18.
- Grandy, T.H., Werkle-Bergner, M., **Chicherio, C.**, Lövdén, M., Schmiedek, F., & Lindenberger, U. (2013). Peak individual alpha frequency qualifies as a stable neurophysiological trait marker in healthy younger and older adults. *Psychophysiology*, 50(6), 570-582.
- Chicherio, C.**, Borella, E., & Tressoldi, C. (2012). Il ruolo della variabilità intraindividuale nel Disturbo da Deficit di Attenzione/Iperattività. *Rivista di Psicologia Clinica*, 2, 76-94.
- Borella, E., de Ribaupierre, A., Cornoldi, C., & **Chicherio, C.**, (2013). Beyond interference control impairment in ADHD: Evidence from increased intraindividual variability in the Color-Stroop test. *Journal of Clinical Neuropsychology*, 19(5), 495-515.
- Chicherio, C.**, Ludwig, C., & Borella, E. (2012). La capacità di riserva -cognitiva e cerebrale- nell'invecchiamento cognitivo. *Giornale Italiano di Psicologia*, 39(2), 315-339.
- Borella, E., **Chicherio, C.**, Re, A.M., Sensini, V., & Cornoldi, C. (2011). Increased intraindividual variability is a marker of ADHD but also of dyslexia: a study on handwriting. *Brain and Cognition*, 77(1), 33-39.
- Papenberg, G., Bäckman, L. **Chicherio, C.**, Nagel, I. E., Heekeren, H. R., Lindenberger, U., & Li, S.-C. (2011). Higher intraindividual variability is associated with more forgetting and dedifferentiated memory functions in old age. *Neuropsychologia*, 49(7), 1879-1888.
- Li, S.-C.(*), **Chicherio, C.(*)**, Nyberg, L., von Oertzen, T., Nagel, I.E., Sander, T., Heekeren, H.R., Lindenberger, U., & Bäckman, L. (2010). Ebbinghaus revisited: Influences of the

- BDNF Val66Met polymorphism on backward serial recall are modulated by human aging. *Journal of Cognitive Neuroscience*, 22(10), 2164-2173.
- Nagel, I.E., **Chicherio, C.**, Li, S.-C., von Oertzen, T., Sander, T., Villringer, A., Heekeren, H.R., Bäckman, L., & Lindenberger, U. (2008). Human aging magnifies genetic effects on executive functioning and working memory. *Frontiers in Human Neuroscience*, 2, 1. doi:10.3389/neuro.09.001.2008.
- Ludwig, C., **Chicherio, C.**, Terraneo, L., Slosman, D.O., Magistretti, P.J., & de Ribaupierre, A. (2008). Functional imaging studies of cognition using 99mTc-HMPAO SPECT: Empirical validation using the n-back working memory paradigm. *European Journal of Nuclear Medicine and Molecular Imaging*, 35(4), 695-703.
- Lindenberger, U., & **Chicherio, C.** (2008). Développement intellectuel au cours du cycle de vie: Sources de variabilité et niveaux d'analyse. *L'Année psychologique*, 108(4), 757-793.
- Lindenberger, U., Nagel, I.E., **Chicherio, C.**, Li, S.-C., Heekeren, H.R., & Bäckman, L. (2008). Age-related decline in brain resources modulates genetic effects on cognitive functioning. *Frontiers in Neuroscience*, 2(2), 234-244.
- Delaloye, C., Ludwig, C., Borella, E., **Chicherio, C.**, & de Ribaupierre, A. (2008). L'Empan de lecture comme épreuve mesurant la capacité de mémoire de travail : normes basées sur une population francophone de 775 adultes jeunes et âgés. *Revue Européenne de Psychologie Appliquée*, 58, 89-103.
- Ludwig, C., & **Chicherio C.** (2007). Pertes et gains dans le développement adulte : La perspective des neurosciences cognitives du vieillissement. *Gérontologie & Société*, 123, 109-134.
- Slosman, D.O., de Ribaupierre, S., **Chicherio, C.**, Ludwig, C., Montandon, M.L., Allaoua, M., Genton, L., Pichard, C., Grousset, A., Mayer, E., Annoni, J.M., & de Ribaupierre, A. (2004). Negative neurofunctional effects of frequency, depth and environment in recreational scuba diving: The Geneva "memory dive" study. *British Journal of Sports Medicine*, 38(2), 108-14.
- Lekeu, F., Van der Linden, M., **Chicherio, C.**, Collette, F., Degueldre, C., Franck, G., Moonen, G., & Salmon, E. (2003). Brain correlates of performance in a free/cued recall task with semantic encoding in Alzheimer disease. *Alzheimer Disease and Associated Disorders*, 17(1), 35-45.
- Vuilleumier, P., **Chicherio, C.**, Assal, F., Schwartz, S., Slosman, D.O., & Landis, T. (2001). Functional neuroanatomical correlates of hysterical sensorimotor loss. *Brain*, 124(Pt 6), 1077-1090.
- Slosman, D.O., **Chicherio, C.**, Ludwig, C., Genton, L., de Ribaupierre, S., Hans, D., Pichard, C., Mayer, J., Annoni, J.M., & de Ribaupierre, A. (2001). (133)Xe SPECT cerebral blood flow study in a healthy population: Determination of the T-scores. *Journal of Nuclear Medicine*, 42(6), 864-870.
- Slosman, D.O., Ludwig, C., Zerarka, S., Pellerin, L., **Chicherio, C.**, de Ribaupierre, A., Annoni, J.M., Bouras, C., Herrmann, F., Michel, J.P., Giacobini, E., & Magistretti, P.J. (2001). Brain energy metabolism in Alzheimer's disease: 99mTc-HMPAO SPECT imaging during verbal fluency and role of astrocytes in the cellular mechanism of 99mTc-HMPAO retention. *Brain Research Review*, 36(2-3), 230-240.
- Collette, F., Salmon, E., Van der Linden, M., **Chicherio, C.**, Belleville, S., Degueldre, C., Delfiore, D., & Franck, G. (1999). Regional brain activity during tasks devoted to the central executive of working memory. *Cognitive Brain Research*, 7, 411-417.

1.2. Other Articles

- Stienen, M.N., Zweifel-Zehnder², A., **Chicherio, C.**, Früh, S., Bläsi, S., Rossi, S., Gutbrod, K., Schmid, N., Beaud, V., Mondadori C., Brugger, P., Sacco, L., Müri, R., Hildebrandt G., Fournier J.-Y., Keller, E., Regli L., Fandino, J., Mariani, L., Raabe, A., Daniel, R.T.,

Reinert, M., Robert, T., Schatlo, B., Bijlenga, P., Schaller, K., Monsch, A. U. ; Swiss SOS study group (in press). Neuropsychologische Testung nach aneurysmatischer Subarachnoidalblutung / L'évaluation neuropsychologique dans l'hémorragie sous-arachnoïdienne anévrismale. *Swiss Medical Forum*.

Chichério, C. (2015, avril). Le cerveau fait de la résistance. *Sciences Humaines: Vieillir: Pour ou contre*. 269, 34-35.

Fernandez, S., & **Chichério, C.** (2010). Troubles simulés ou troubles réels? Enjeux et défis pour le psychologue face à la lutte contre la fraude de l'AI. *Psychoscope*, 31, 16-19.

Lekeu, F., **Chichério, C.**, & Van der Linden, M. (2000). Prise en charge des difficultés de mémoire prospective dans la maladie d'Alzheimer. *Alzheimer*, 3, 17-20.

Salmon, E., Collette, F., **Chichério, C.**, & Van der Linden, M. (1999). L'imagerie cérébrale. *Médecine & Hygiène*, 57(2262), 1410-1414.

Juillerat, A.C., **Chichério, C.**, & Mulligan, R. (1998). L'ordinateur a-t-il un rôle à jouer dans la rééducation de la mémoire? *Cahiers Psychiatriques Genevois*, 24, 23-38.

1.3. Book Chapters

Chichério, C., & Ludwig, C. (in press). Il cervello che invecchia: Una bilancia tra perdita e guadagni durante lo sviluppo dell'adulto. In R. De Beni et al. (Eds.), *Manuale di Psicologia dell'Invecchiamento* (2nd Edizione). Firenze: Il Mulino.

Chichério, C., Dirk, J., Vandekerckhove, J., Ghisletta, P., & de Ribaupierre, A. (2013). *Application du modèle de diffusion hiérarchique dans l'examen de la variabilité inter- et intra-individuelle au travers du cycle de vie*. In M. Carlier, P.-Y. Gilles et al. (Eds.). *La psychologie différentielle aux frontières. Psychologie différentielle et champs de recherche connexes : Influences respectives* (pp. 91-95). Marseille : Presses Universitaires de Provence.

de Ribaupierre, A., **Chichério, C.**, Fagot, D., Dirk, J., Lecerf, T., & Ghisletta, P. (2013). *Variabilité inter- et intra-individuelle au travers du cycle de vie*. In M. Carlier, P.-Y. Gilles et al. (Eds.). *La psychologie différentielle aux frontières. Psychologie différentielle et champs de recherche connexes : Influences respectives* (pp. 97-102). Marseille : Presses Universitaires de Provence.

Fagot, D., **Chichério, C.**, & de Ribaupierre, A. (2013). *Différences individuelles dans la capacité en mémoire de travail et variabilité intra-individuelle dans les temps de réponse : Effets de l'âge et de la complexité de la tâche*. In M. Carlier, P.-Y. Gilles et al. (Eds.). *La psychologie différentielle aux frontières. Psychologie différentielle et champs de recherche connexes : Influences respectives* (86-90). Marseille : Presses Universitaires de Provence.

Ludwig, C., Fagot, D., **Chichério, C.**, & de Ribaupierre, A. (2011). Variabilité intra-individuelle dans les performances cognitives : Apports dans l'étude du vieillissement (pp. 171-186). In D. Brouillet & A. Syssau (Eds.), *Le vieillissement cognitif normal* (2nd ed.). Bruxelles: De Boeck.

Chichério, C., Nagel, I.E., Hekkeren, H.R., Li, S.-C., Bäckman, L., & Lindenberger, U. (2010). Modulation des effets génétiques sur le fonctionnement exécutif et la mémoire de travail au cours du vieillissement normal. In A. de Ribaupierre, P. Ghisletta, T. Lecerf, & J.-L. Roulin (Eds.). *Identité et spécificités de la psychologie différentielle* (pp. 93-97). Presses Universitaires de Rennes.

Ludwig, C., **Chichério, C.**, & de Ribaupierre, A. (2010). Effets de pratique et de complexité sur les fluctuations de la performance en mémoire de travail estimées à l'aide du modèle de diffusion. In A. de Ribaupierre, P. Ghisletta, T. Lecerf, & J.-L. Roulin (Eds.). *Identité et spécificités de la psychologie différentielle* (pp. 123-127). Presses Universitaires de Rennes.

Chichério, C., & Ludwig, C. (2009). Il cervello che invecchia: Una bilancia tra perdita e guadagni durante lo sviluppo dell'adulto. In R. De Beni et al. (Eds.), *Manuale di Psicologia dell'Invecchiamento* (pp. 99-118). Firenze: Il Mulino.

Ludwig, C., & **Chichério, C.** (2009). Transitions et inégalités: Réserve cérébrale et cognitive dans le vieillissement. In M. Oris et al. (Eds). *Transitions dans le Parcours de Vie et Construction des inégalités* (pp. 355-376). Lausanne, Suisse: Presses Polytechniques et Universitaires Romandes.

1.4. Conference Proceedings

- Chichério, C.**, Ludwig C., de Ribaupierre S., Willi, J.-P., Pichard C., Annoni, J.-M., de Ribaupierre A., & Slosman, D.O. (2003). Longitudinal effects of age and gender on cerebral blood flow in a large- scale healthy population. *European Journal of Nuclear Medicine*, 30(2), #P251, S293.
- Ludwig, C., **Chichério, C.**, Terraneo, L., Willi, J.-P., de Ribaupierre, A., & Slosman, D.O. (2003). Studying brain-cognition relations with 99mTc-HMPAO activation protocols: A validation study. *European Journal of Nuclear Medicine*, 30(2), #232, S197.
- Chichério, C.**, Ludwig, C., Terraneo, L., de Ribaupierre, A., Giacobini, E., Magistretti, P., & Slosman, D.O. (2001). Individual differences in working memory (WM) capacity in normal aging: A comparison with Alzheimer's disease during verbal fluency using 99mTc-HMPAO SPECT. *NeuroImage*, 13(6), S389.
- Ludwig, C., **Chichério, C.**, Laemmli, C., de Ribaupierre, A., Giacobini, E., Magistretti, P., & Slosman, D.O. (2001). 99mTc-HMPAO uptake during verbal fluency: A longitudinal study of 52 healthy elderly. *NeuroImage*, 13(6), S441.
- de Ribaupierre, S., **Chichério, C.**, Ludwig, C., Genton, L., Pichard, C., Annoni, J.-M., de Ribaupierre, A., & Slosman, D.O. (2001). Effects of diving environment on the cerebellum. *NeuroImage*, 13(6), S782.
- Chichério, C.**, Ludwig, C., Slosman, D.O., Laemmli, C., de Ribaupierre, A., Giacobini, E., & Magistretti, P. (2000). Glucose utilisation at rest in early and late aging: A 18F-FDG PET study. *European Journal of Nuclear Medicine*, 27(8), OS-225, 951.
- Chichério, C.**, Ludwig, C., Slosman, D.O., de Ribaupierre, A., Giacobini, E., & Magistretti, P. (2000). Changes in brain activation induced by a verbal fluency task in aging: A 2-years follow up study using 99mTc-HMPAO SPECT. *European Journal of Nuclear Medicine*, 27(8), PS-394, 1109.
- Ludwig, C., **Chichério, C.**, Terraneo, L., de Ribaupierre, A., Giacobini, E., Magistretti, P., & Slosman, D. O. (2000). Regional cerebral blood flow in normal aging: A 2-years longitudinal evaluation using a 99mTc-HMPAO brain SPECT activation protocol. *NeuroImage* 11(5), S91.
- Slosman, D. O., **Chichério, C.**, Ludwig, C., Genton, L., Valera-Kummer, S., Mayer, E., de Ribaupierre, A., Pichard, C., & Annoni, J.-M. (2000). When diving behavior affects brain function - The Geneva "Memory Dive" Study. *Neurology*, 54(suppl 3), A80.
- Slosman, D.O., de Ribaupierre, S., **Chichério, C.**, Ludwig, C., Genton, L., Valera-Kummer, S., de Ribaupierre, A., Pichard, C., Mayer, E., & Annoni, J.-M. (2000). Neurofunctional long-term effects of diving activity: Preliminary results of the Geneva "Memory-Dive" study. *European Journal of Nuclear Medicine*, 27(8), PS-403, 1111.
- Slosman, D. O., **Chichério, C.**, Genton, L., Ludwig, C., de Ribaupierre, A., Pichard, C., Mayer, E., & Annoni, J.-M. (1999). Cerebral blood flow (CBF) in normal populations using quantitative Xenon-133 SPECT: A preliminary study. *European Journal of Nuclear Medicine*, 26(9), 1134, PS-327.
- Slosman, D. O., **Chichério, C.**, Genton, L., Ludwig, C., de Ribaupierre, A., Pichard, C., Mayer, E., & Annoni, J.-M. (1999). Study of the reproductibility of cerebral blood flow (CBF) measurment using quantitative Xenon- 133 SPECT. *European Journal of Nuclear Medicine*, 26(9), 1135, PS-331.

- Slosman, D. O., Ludwig, C., **Chichério, C.**, de Ribaupierre, A., Annoni, J.-M., Giacobini, E., & Magistretti, P. (1999). Verbal fluency in Alzheimer disease and normal ageing: A 99mTc-HMPAO study. *NeuroImage*, 9(6), S589.
- Slosman, D. O., Ludwig, C., **Chichério, C.**, de Ribaupierre, A., Annoni, J.-M., Giacobini, E., & Magistretti, P. (1999). 99mTc-HMPAO SPECT activation in Alzheimer disease: Patterns of rCBF changes induced by a verbal fluency task. *Acta Neurobiologiae Experimentalis*, 59(1), 68.
- Vuilleumier, P., Landis, T., **Chichério, C.**, Pasini, W., & Slosman, D.O. (1999). Functional connectivity in hysterical paralysis: A 99mTc-ECD activation study. *European Journal of Nuclear Medicine*, 26(9), 1124.
- Vuilleumier, P., Slosman, D.O., **Chichério, C.**, & Landis, T. (1999). Brain activation in hysterical paralysis: supracortical or subcortical disorder? *Neurology*, 52(Suppl.2), A155.
- Collette, F., Van der Linden, M., **Chichério, C.**, & Salmon, E. (1999). Empan visuospatial séquentiel et simultané dans la maladie d'Azheimer. *Revue neurologique*, 155(Suppl 1), S41-S42.
- Chichério, C.**, Salmon, E., Van der Linden, M., Degueldre, C., Luxen, A., & Franck, G. (1998). Functional imaging of episodic long-term memory: Hippocampus and cued recall in Alzheimer's disease. *NeuroImage*, 7(4), S826.
- Chichério, C.**, & Van der Linden, M. (1997). Techniques d'apprentissage lexico-sémantique chez le patient Alzheimer. Actes de la journée scientifique "Mémoire sémantique et maladie d'Alzheimer" de l'Unité de logopédie et du Centre de langage de la Clinique de Psychiatrie Gériatrique, Hôpitaux Universitaires de Genève (pp. 73-86).
- Salmon, E., **Chichério, C.**, Collette, F., Degueldre, C., Franck, G., & Van der Linden, M. (1997). Visual short term memory: Cerebral substrate of sequential span emphasized by a follow-up study in Alzheimer's disease. *NeuroImage*, 5(4), S66.
- Lekeu, F., **Chichério, C.**, Van der Linden, M., & Salmon, E. (1997). Prise en charge des déficits de mémoire prospective dans la maladie d'Alzheimer. *Revue de Neuropsychologie*, 7(4), 481-482.

1.5. Unpublished manuscripts

- Chichério, C.** (2006). *Contrôle exécutif et réseaux neurofonctionnels au cours du vieillissement normal : Un test de l'hypothèse de dé-différenciation cognitive*. Doctoral thesis dissertation, Faculty of Psychology and Educational Sciences, University of Geneva.
- Chichério, C.** (1997). *Evolution des performances mnésiques explicite et implicite chez des sujets normaux âgés de 70 à 95 ans*. Master thesis dissertation, Faculty of Psychology and Educational Sciences, University of Geneva
- Chichério, C.** (1995). *Hétérogénéité et homogénéité dans la relation entre comportements verbal et non verbal maladie d'Alzheimer*. Bachelor thesis dissertation, Faculty of Psychology and Educational Sciences, University of Geneva
- Chichério, C.** (1993). *Les conditions d'adaptation du patient âgé atteint d'un syndrome démentiel dans le cadre de l'intervention logopédique: Une réflexion sur l'environnement communicationnel partagé entre le patient et le logopédiste*. Training report, Geneva University Institutions of Psychiatry, Geneva University Hospitals

2. National and International Conferences

2.1. Invited talk for plenary sessions

- Chichério, C.** (2010). *Effet des variations génotypiques inter-individuelles sur les modifications du fonctionnement cognitif lors du vieillissement normal*. Invited talk presented for plenary session at the Journées d'Etude du Vieillissement Cognitif, Liège, Belgium, September 23-24.

2.2. Invited talk for symposia

- Borella, E., **Chicherio, C.**, Re, A.M., & Cornoldi, C. (2015). *Intra-individual variability in developmental disabilities*. Invited talk presented in the symposium “The study of intra-individual variability: Importance and relevance for psychological evaluation” at the 14th European Congress of Psychology, Milan, Italy, July 7-10.
- Bürki, C., **Chicherio, C.**, Ludwig, C., & A. de Ribaupierre (2010). *Arbeitsgedächtnistraining im Erwachsenenalter: Eine Evaluation von Übungs- und Transfereffekten*. Invited talk presented in the symposium “Kognitive Interventionen: Strategie, Training & Transfer” at the 52. Tagung experimentell arbeitender Psychologen, Saarbrücken, Germany, March 22-24.
- Chicherio, C.** (2009). *Analisi della dinamica individuale in prove di memoria di lavoro nell'invecchiamento*. Invited talk presented in the Symposium “Memoria e Invecchiamento” at the XV^o Congresso Nazionale della Società Italiana di Psicologia – Sezione Psicologia Sperimentale, Chieti, September 24-26.
- Li, S.-C., **Chicherio, C.**, Nyberg, L., Nagel, I., Sander, T., Heekeren, H.R., Lindenberger, L., & Bäckman, L. (2009). *The Influences of the BDNF Val66Met polymorphism on episodic memory is modulated by aging*. Invited talk presented in the symposium “The Role of Genetic and Lifestyle Factors for Cognitive Change in Adulthood and Old Age” at the Gerontological Society of America's 62nd Annual Scientific Meeting, Atlanta, USA, November 18-22.
- Bürki, C., Ludwig, C., **Chicherio, C.**, & de Ribaupierre, A. (2009). *Linking behavioral and brain plasticity in elderly: Impact of a working memory training*. Invited talk presented in the Symposium “Train the Brain” at the XIth Congress of the Swiss Psychological Society, Neuchâtel, Switzerland, August 19-20.
- Li, S.-C., Lindenberger, U., Nagel, I., Preuschhof, C., **Chicherio, C.**, Nyberg, L., Heekeren, H.R., & Bäckman, L. (2009). *Interactions between aging and genes: A genomic approach to neuromodulation of memory aging in BASE II*. Invited talk presented in the symposium “The Berlin Aging Study” at the Gerontological Society of America's 62nd Annual Scientific Meeting, Atlanta, USA, November 18-22.
- Chicherio, C.**, Nagel, I.E., Li, S.-C., Heekeren, H. R., von Oertzen, T., Sander, T., Villringer, A., Bäckman, L., & Lindenberger, U. (2008). *Gene-gene interactions modulate adult cognitive development*. Invited talk presented in the Symposium "Genes and cognition: Lesson from the study of genetic disorders with mental deficiency". XXIX International Congress of Psychology, Berlin, Germany, July 20-25.
- Lindenberger, U., **Chicherio, C.**, Lövdén, M., & Schmiedek, F. (2008). *Plasticity of Cognitive Performance in Adulthood and Old Age: Exploring its Range, Neural Mechanisms, and Age Dependence*. Invited talk presented at the XVIII^e Journées Internationales de Psychologie Différentielle, Geneva, Switzerland, August 27-29.
- Ludwig, C. & **Chicherio, C.** (2008). *Transitions et inégalités: Réserve cérébrale et cognitive dans le vieillissement*. Invited talk presented at the Colloque lémanique IRIS, Geneva, Switzerland, June 20-21.
- Chicherio, C.**, Li, S.-C., & Lindenberger, U. (2007). *An integrative cross-level perspective to the compensation vs. dedifferentiation dilemma in the aging brain*. Invited talk presented in the Symposium “Cognitive Aging”, European Society of Cognitive Psychology, Marseille, France, August 29-September 1.

2.3. Oral Presentations

- Chicherio, C.**, & Laganaro, M. (2015). *Revisiting the phonological similarity effect in working memory during aging*. Paper presented at the 3rd International Conference on Aging and Cognition, Dortmund, Germany, April, 23-25.

- Chicherio, C.**, Fagot, D., Albinet, C., André, N. & Audiffren, M. (2015). *Santé cardiovasculaire et vieillissement : l'histoire d'une variabilité à deux (comportementale et cardiaque)*. Paper presented at the 5ème atelier MODEVAIIA « Jusqu'au bout de la variabilité ». Camaret-Sur-Mer, Finistère, France, June 21-24.
- Stienen, M.N., Zweifel-Zehnder, A., **Chicherio, C.**, Studerus-Germann, A., Bläsi, S., Rossi, S., Gutbrod, K., Schmid, N., Beaud, V., Mondadori, C., Brugger, P., Sacco, L., Müri, R., Hildebrandt, G., Fournier, J.-Y., Keller, E., Regli, L., Fandino, J., Mariani, L., Raabe, A.m Daniel, R.T., Reinert, M., Robert, T., Schatlo, B., Bijlenga, P., Schaller, K., Monsch, A.U. (2015). *Call for Uniform Psychosocial Assessment After Aneurysmal Subarachnoid Hemorrhage: Swiss recommendations*. Annual Meeting SSNS, September 10-11, Luzern, Switzerland.
- Nigg, C., Fernandez, S., & **Chicherio, C.** (2011). *Contrôle tes réponses si tu peux ! La variabilité dans les temps de réaction comme approche complémentaire pour la détection de la simulation des troubles cognitifs*. Paper presented at the 9ème Journée Romande de Neuropsychologie. Neuropsychologie et environnement. Clinique Romande de Réadaptation, Sion, Switzerland, September 29.
- Fagot, D., Golay, P., & **Chicherio, C.** (2011). *Changement longitudinal à deux ans chez des adultes âgés : Analyses de profil et quelques pistes de réflexion*. Paper presented at the 3ème atelier MODEVAIIA « La variabilité intra-individuelle dans tous ses états ». Markstein, Les Voges, France, June 28-30.
- Chicherio, C.**, Dirk, J., Vandekerckhove, J., Ghisletta, P., & de Ribaupierre, A. (2010). *Application du modèle de diffusion hiérarchique dans l'examen de la variabilité inter- et intra-individuelle au travers du cycle de vie*. Paper presented in the XIXèmes Journées Internationales de Psychologie Différentielle, Marseille, France, August 25-27.
- Fagot, D., **Chicherio, C.**, Dirk, J., Lecerf, T., Ghisletta, P., & de Ribaupierre, A. (2010). *Variabilité inter- et intra-individuelle au travers de la vie dans différents domaines cognitifs*. Paper presented in the Journées du Vieillissement Cognitif, Liège, Belgium, September 23-24.
- de Ribaupierre, A., **Chicherio, C.**, Fagot, D., Dirk, J., Lecerf, T., & Ghisletta, P. (2010). *Variabilité inter- et intra-individuelle au travers du cycle de vie*. Paper presented in the XIXèmes Journées Internationales de Psychologie Différentielle, Marseille, France, August 25-27.
- Chicherio, C.**, & Dirk, J. (2009). *Us et abus de l'application du modèle de diffusion dans l'analyse de la variabilité intra-individuelle*. Paper presented at the 2ème atelier MODEVAIIA « La variabilité intra-individuelle dans tous ses états. Presqu'île de Saint-Mandrier, Toulon, France. July 1-3.
- Chicherio, C.**, Li, S.C., Bäckman, L., von Oertzen, T., Nagel, I.E., Sander, T., Villringer, A., Heekeren, H. R., & Lindenberger, U. (2008). *Prédisposition génétique de la modulation dopaminergique sur la robustesse du traitement de l'information et les processus stochastiques de décision*. Paper presented at the XVIIIe Journées Internationales de Psychologie Différentielle, Geneva, Switzerland, August 27-29.
- Bäckman, L., Li, S.C., Nagel, I.E., **Chicherio, C.**, Sander, T., von Oertzen, T., Villringer, A., Heekeren, H.R., Lindenberger, U. (2008). *Human aging magnifies genetic effects on executive functioning*. Paper presented at the Cognitive Aging Conference, Atlanta, USA, April 10-13.
- Lindenberger, U., Li, S.-C., Ratcliff, R., Bäckman, L., **Chicherio, C.**, Heekeren, H., Lovden, M., Nagel, I., Villringer, A., & Schmiedek, F. (2008). *Between- and Within-Person Differences in Evidence Accumulation: Effects of Age, Practice, Intelligence, and the Val/Met COMT Polymorphism*. Paper presented at the 33rd Annual Interdisciplinary Conference, Teton Village, Jackson Hole, Wyoming, USA, February 3-8.

- Chicherio, C.**, Slosman, D.O., de Ribaupierre, S., Willi, J.P., Ludwig, C., Genton, L., Pichard C., Annoni, J.M., & de Ribaupierre, A. (2003). *The longitudinal “memory-Dive” study. Part 1: Long term effects of scuba diving on cerebral blood flow*. Paper presented at the Annual Scientific Meeting of the Undersea & Hyperbaric Medical Society, Quebec City, Canada, June 18-21.
- Chicherio, C.**, de Ribaupierre, S., Willi, J.-P., Montandon, M.L., Ludwig, C., Genton, L., Pichard C., Meyer, E., Annoni, J.M., de Ribaupierre, A., & Slosman, D.O. (2003). *The longitudinal “Memory-Dive” study. Part 2: Long-term effects of scuba-diving on cognitive performance*. Paper presented at the Annual Scientific Meeting of the Undersea & Hyperbaric Medical Society, Quebec City, Canada, June 18-21.
- Ludwig, C., **Chicherio, C.**, Terraneo, L., Willi, J.-P., de Ribaupierre, A., & Slosman, D.O. (2003). *Studying brain-cognition relations with 99mTc-HMPAO activation protocols: A validation study*. Paper presented at the Annual Congress of the European Association of Nuclear Medicine, Amsterdam, The Netherlands, August 23-27.
- Slosman, D.O., **Chicherio, C.**, Ludwig, C., de Ribaupierre, S, Genton, L., de Ribaupierre, A., Pichard, C., Mayer, E. & Annoni, J.M. (2001). *Large-scale reference database of cerebral blood flow by using quantitative Xenon-133 SPECT: A primary diagnostic tool for clinical setting*. Paper presented at the 2nd Annual Meeting of the Swiss Society of Nuclear Medicine, Lugano, Switzerland, May 17-19.
- Chicherio, C.**, Ludwig, C., Slosman, D.O., Laemmler, C., de Ribaupierre, A., Giacobini, E. & Magistretti, P. (2000). *Glucose utilisation at rest in early and late aging: A 18F-FDG PET study*. Paper presented at the Annual Congress of the European Association of Nuclear Medicine, Paris, France, September 2-6.
- Slosman, D. O., **Chicherio, C.**, Ludwig, C., Genton, L., Valera-Kummer, S., Mayer, E., de Ribaupierre, A., Pichard, C., & Annoni, J.-M. (2000). *When diving behavior affects brain function - The Geneva “Memory Dive” Study*. Paper presented at the Annual Meeting of the American Academy of Neurology, San Diego, USA, April 29-May 6.
- Chicherio, C.**, Ludwig, C., Slosman, D.O., de Ribaupierre, A., Annoni, J.M., Giacobini, E. & Magistretti, P. (1999). *Activación SPECT 99mTc-HMPAO durante una tarea de fluencia verbal en la enfermedad de Alzheimer: un estudio de grupo revisitado por la análisis de caso individual*. Paper presented at the Ve Congrès de Neuropsychologie Latino-Americaine, Varadero, Cuba, October 17-20.
- Chicherio, C.**, Collette, F., Van der Linden, M., Delfiore, G., & Salmon, E. (1998). *Manipulating information: a function of the central executive of working memory*. Paper presented at the Congrès Annuel de la Société Belge de Neurophysiologie Clinique et de la Société Belge de Neurologie, Leuven, Belgium, June 20.
- Chicherio C.**, Lekeu, F., Salmon, E., & Van der Linden, M. (1998) *Récupération espacée, mémoire prospective et maladie d’Alzheimer*. Paper presented at the VIe Congrès International Francophone de Gérontologie “Age, cerveau et autonomie”, Geneva, Switzerland, April 19-22.
- Salmon, E., **Chicherio, C.**, Van der Linden, M., Degueldre, C., & Franck, G. (1998). *Neural substrate of free verbal recall in Alzheimer’s disease*. Paper presented at the 8th Meeting and 10th Anniversary of the European Neurological Society, June 6-10.
- Salmon, E., Colette, F., **Chicherio, C.**, Degueldre, C., Franck, G., & Van der Linden, M. (1998). *Visuospatial working memory in Alzheimer’s disease*. Paper presented at the Congrès Annuel de la Société Belge de Neuropsychologie, Liège, Belgium, May 8.
- Chicherio, C.**, & Van der Linden, M. (1997). *Apport de la neuropsychologie dans la compréhension des phénomènes de simulation et d’exagération des troubles cognitives*. Paper presented at the Ve Congrès Suisse de Psychologie: Psychologie et qualité de vie, University of Bâle, Switzerland, September 18-20.

Lekeu, F., Salmon, E., **Chichério, C.**, Colette, F., Van der Linden, M., & Franck, G. (1997). *The nature of episodic deficit in Alzheimer's disease*. Paper presented at the Annual Meeting IUAP/PAI P4/22 Vision: dynamic processing, plasticity and memory, Leuven, Belgium, December 19.

2.4. Poster Presentations

- Fagot, D., **Chichério, C.**, Canivet, A., Albinet, C.T., André, N., Audiffren, M. (2015). *The impact of physical activity and gender on intra-individual variability in inhibitory performance in older adults*. Paper presented at the 3rd International Conference on Aging and Cognition, Dortmund, Germany, April, 23-25.
- Audiffren, M., Pottier, M., André, N., Albinet, C., Jacques, M.-H., Bodin, R., Artus, D., Kitzis, A., Ferrand, C., Barberger-Gateau, P., **Chichério, C.**, & Berry, J.-B. (2012). *Préservation de l'autonomie des seniors en Poitou-Charentes (PRAUSE)*. Congrès National des Maisons des Sciences de l'Homme, Caen, France, December 6-7.
- Chichério, C.**, Cebe, Y., Marques Ribeiro, P., & Laganaro, M. (2012). *Effets du voisinage phonologique en mémoire de travail au cours du vieillissement*. Accepted for the Xèmes Journées Romandes de Neuropsychologie, Genève, October 4.
- Chichério, C.**, Dématraz, P.-Y., Nigg, C., Pegna, A., & Fernandez, S. (2012). *Validité des méthodes de détection de la simulation/exagération des troubles cognitifs : Apport d'une approche corrélationnelle*. Accepted for the Xèmes Journées Romandes de Neuropsychologie, Genève, October 4.
- Chichério, C.**, Marques Ribeiro, P., Cebe, Y., & Laganaro, M. (2012). *Densité du voisinage phonologique en production du langage et mémoire de travail*. Accepted for the Journées d'Etude du Vieillissement Cognitif, Tours, June 25-26.
- Bürki, C., **Chichério, C.**, Ludwig, C., & de Ribaupierre, A. (2012). *Mechanisms of cognitive plasticity in old age*. Submitted to the Cognitive Aging Conference, Atlanta, 22-29 April.
- Ciriolo, T., Framorando, D., Nigg, C., Meulemans, T., Fernandez, S., & **Chichério, C.** (2011). *Sensibility of malingering indices among different types of coached simulators*. Accepted for the Federation of European Societies of Neuropsychology (ESN) Congress, Basel, September 7-9.
- Framorando, D., Ciriolo, T., Nigg, C., Meulemans, T., Fernandez, S., & **Chichério, C.** (2011). *Is intraindividual variability in reaction times a good index of malingering?* Accepted for the Federation of European Societies of Neuropsychology (ESN) Congress, Basel, September 7-9.
- Fernandez, S., & **Chichério, C.** (2011). *Malingering: Are symptom validity tests really valid?* Accepted for the Federation of European Societies of Neuropsychology (ESN) Congress, Basel, September 7-9.
- Nigg, C., Fernandez, S., & **Chichério, C.** (2011). *How far is it possible to control your own responses? Exploring the potential of reaction time variability for detecting malingering*. Accepted for the XIIth Congress of the Swiss Psychological Society, Fribourg, Switzerland, September 12-13.
- Bürki, C., **Chichério, C.**, Ludwig, C., & de Ribaupierre, A. (2011). *Neural correlates of working memory plasticity in older adults*. Poster presented at the Alpine Brain Imaging Meeting, Champéry, Switzerland, January 9-13.
- Chichério, C.**, Dirk, J., Vandekerckhove, J., Ghisletta, P., & de Ribaupierre, A. (2010). *A Hierarchical Diffusion Model account of intra- and inter-individual variability in a speeded two-choice reaction time task across the lifespan*. Poster presented at the International Conference on Aging and Cognition, Dortmund, Germany, October 14-16.
- Chichério, C.**, Borella, E., de Ribaupierre, A., & Cornoldi, C. (2010). *Increased intra-individual reaction time variability in processing speed and inhibition among children with attention-deficit/hyperactivity disorder*. Poster presented at the 8th European Conference on

- psychological theory and research on Intellectual and Developmental Disabilities (ECIDD), Geneva, Switzerland, June 17–19.
- Chicherio, C., Dirk, J., Ghisletta, P., & de Ribaupierre, A. (2010).** *La variabilité intra-individuelle en tant que vecteur potentiel des différences individuelles et développementales dans les processus cognitifs : Comparaison du modèle de diffusion de Ratcliff (RDM) et du modèle de l'accumulateur balistique linéaire (LBA)*. Poster presented at the XIXèmes Journées Internationales de Psychologie Différentielle, Marseille, France, August 25-27.
- Chicherio, C., Dirk, J., Vandekerckhove, J., Ghisletta, P., & de Ribaupierre, A. (2010).** *Delineating inter- and intraindividual variability in speeded two-choice response times across the lifespan: A hierarchical Bayesian extension to diffusion modeling*. Poster presented at the Cognitive Aging Conference, Atlanta, USA, April 15-18.
- Bürki, C., **Chicherio, C., Ludwig, C., & de Ribaupierre, A. (2010).** *Working memory plasticity : A training study in younger and older adults*. Poster presented at the International Conference on Aging and Cognition, Dortmund, Germany, October 14-16.
- Fagot, D., **Chicherio, C., & de Ribaupierre, A. (2010).** *Intraindividual variability and change in cognitive performances: A two-year longitudinal follow-up in older adults*. Poster presented at the International Conference on Aging and Cognition, Dortmund, Germany, October 14-16.
- Fagot, D., **Chicherio, C., & de Ribaupierre, A. (2010).** *Différences individuelles dans la capacité en mémoire de travail et variabilité intra-individuelle dans les temps de réponse : Effets de l'âge et de la complexité de la tâche*. Poster presented at the XIXèmes Journées Internationales de Psychologie Différentielle, Marseille, France, August 25-27.
- Fagot, D., **Chicherio, C., & de Ribaupierre, A. (2010).** *Working memory capacity and variability in response times in young and older adults: The role of task complexity*. Poster presented at the Cognitive Aging Conference, Atlanta, USA, April 15-18.
- Ludwig, C., **Chicherio, C., & de Ribaupierre, A. (2010).** *Do compensation and dedifferentiation co-occur in the aging brain? Further evidence from a 99mTc-HMPAO SPECT working memory study*. Poster presented at the Cognitive Aging Conference, Atlanta, USA, April 15-18.
- Fagot, D., Ludwig, C., **Chicherio, C., & de Ribaupierre, A. (2010).** *Exploration de la relation entre variabilité inter- et intra-individuelle dans la cognition*. Poster presented at the XIXèmes Journées Internationales de Psychologie Différentielle, Marseille, France, August 25-27.
- Bürki, C., Ludwig, C., **Chicherio, C., & de Ribaupierre, A. (2010).** *Plasticité cognitive chez l'adulte jeune et âgé : Effets d'un entraînement de la mémoire de travail*. Poster presented at the XIème Colloque International sur le Vieillissement Cognitif, Liège, Belgium, September 23-24.
- Bürki, C., Ludwig, C., **Chicherio, C., & de Ribaupierre, A. (2010).** *Cognitive plasticity in young and older adults: Evidence from a working memory training*. Poster presented at the Cognitive Aging Conference, Atlanta, USA, April 15-18.
- de Ribaupierre, A., Dirk, J., **Chicherio, C., Fagot, D., Lecerf, T., & Ghisletta, P. (2010).** *Inter- and intraindividual variability across the lifespan*. Poster presented at the Cognitive Aging Conference, Atlanta, USA, April 15-18.
- Dirk, J., Ghisletta, P., **Chicherio, C., & de Ribaupierre, A. (2010).** *Level and variability in cognitive performance across the lifespan: Effects of age and task complexity*. Poster presented at the Cognitive Aging Conference, Atlanta, USA, April 15-18.
- Dirk, J., **Chicherio, C., Ghisletta, P., & de Ribaupierre, A. (2009).** *Level and variability in cognitive performance across the lifespan: Insights from modeling response time distributions*. Poster presented at the XVIth Conference of the European Society of Cognitive Psychology, Cracow, Poland, September 2-5.

- Bürki, C., Ludwig, C., **Chicherio, C.**, & de Ribaupierre, A. (2009). *Working memory plasticity in younger and older adults: practice gains and transfer*. Poster presented at the XVIth Conference of the European Society of Cognitive Psychology, Cracow, Poland, September 2-5.
- Ludwig, C., **Chicherio, C.**, & de Ribaupierre, A. (2008). *Effets de pratique et de complexité sur les fluctuations de la performance en mémoire de travail estimées à l'aide du modèle de diffusion*. Poster presented at the XVIIIe Journées Internationales de Psychologie Différentielle, Geneva, Switzerland, August 27-29.
- Ludwig, C., **Chicherio, C.**, Terraneo, L., Magistretti, P.J., Slosman, D.O. & de Ribaupierre, A. (2008). *Compensation and dedifferentiation in the aging brain: Evidence from a 99mTc-HMPAO SPECT working memory study*. Poster presented at the 6th FENS Forum, Geneva, Switzerland, July 12-16.
- Li, S.C., Lindenberger, U., **Chicherio, C.**, Nagel, I.E., Sander, T., von Oertzen, T., Villringer, A., Heekeren, H.R., & Bäckman, L. (2008). *Catechol-O-Methyltransferase genotype affects decision time variability and drift rate in young and old adults: Evidence for neuromodulation of processing robustness and information accumulation*. Poster presented at the Cognitive Aging Conference, Atlanta, USA, April 10-13.
- Li, S.-C., Lindenberger, U., **Chicherio, C.**, Nagel, I.E., Gaus, V., Sander, T., von Oertzen, T., Villringer, A., Heekeren, H.R., & Bäckman, L. (2008). *Genetic Predisposition for Dopamine Modulation of Processing Fluctuation and Evidence Accumulation*. Poster presented at the Days of Molecular Medicine, Karolinska Institutet, Stockholm, Sweden, April 17-19.
- Chicherio, C.**, Ludwig C., Slosman, D.O., & de Ribaupierre, A. (2004). *Executive control and neurofunctional networks in normal aging: A test of the dedifferentiation hypothesis*. Poster presented at the Poster Symposium "Multiple levels of developmental changes, variations, and plasticity across the life span", 18th Biennial Meeting of the International Society for the Study of Behavioural Development (ISSBD), Ghent, Belgium, July 10-16.
- Chicherio, C.**, Ludwig C., Terraneo, L., Slosman, D.O., & de Ribaupierre, A. (2004). *Compensatory prefrontal activity in working memory: A comparison of high and low performers*. Poster presented at the 10th International Conference on Functional Mapping of the Human Brain, Budapest, Hungary, June 13-17.
- Terraneo, L., Ludwig C., **Chicherio, C.**, Slosman, D.O., & de Ribaupierre, A. (2004). *Functional imaging studies of cognition using SPECT: Validation of a 99mTc-HMPAO split-dose activation protocol*. Poster presented at the 10th International Conference on Functional Mapping of the Human Brain, Budapest, Hungary, June 13-17.
- Chicherio, C.**, Ludwig C., Slosman, D.O., & de Ribaupierre, A. (2003). *Effects of material and attentional demand on the event-related potentials during verbal and visuo-spatial working memory*. Poster presented at the 8e Congrès de la Société Suisse de Psychologie, Bern, Switzerland, October 14-15.
- Chicherio, C.**, Ludwig C., Slosman, D., & de Ribaupierre, A. (2003). *Event-related brain potentials (ERPs) during verbal and visuo-spatial working memory*. Poster presented at the 13rd Conference of the European Society of Cognitive Psychology, Granada, Spain, September 17-23.
- Chicherio, C.**, Ludwig C., de Ribaupierre S., Willi, J.-P., Pichard C., Annoni, J.-M., de Ribaupierre A., & Slosman, D.O. (2003). *Longitudinal effects of age and gender on cerebral blood flow in a large- scale healthy population*. Poster presented at the Annual Congress of the European Association of Nuclear Medicine, Amsterdam, The Netherlands, August 23-27.
- Ludwig, C., **Chicherio, C.**, Terraneo, L., de Ribaupierre, A., & Slosman, D.O. (2003). *Assessing the feasibility of 99mTc-HMPAO SPECT imaging in activation studies: A probe using the N-back verbal working memory task*. Poster presented at the 8e Congrès de la Société Suisse de Psychologie, Berne, Switzerland, October 14-15.

- Ludwig C., **Chicherio, C.**, Terraneo, L., de Ribaupierre, A., & Slosman, D.O. (2003). *Can ^{99m}Tc -HMPAO SPECT be used in cognitive activation protocols? A validation study using the verbal N-back working memory paradigm*. Poster presented at the 13rd Conference of the European Society of Cognitive Psychology, Granada, Spain, September 17-23.
- Slosman, D.O., **Chicherio, C.**, de Ribaupierre, S., Willi, J.P., Allaoua, M., Genton, L., Pichard C., Annoni, J.M., & de Ribaupierre, A. (2003). *Differences in diving behavior as a function of age and gender: Demographic results of the Geneva "memory dive" study*. Poster presented at the Annual Scientific Meeting of the Undersea & Hyperbaric Medical Society, Quebec City, Canada, June 18-21.
- Chicherio, C.**, Ludwig C., de Ribaupierre, S., Adam, S., Van der Linden, M., Slosman, D.O., & de Ribaupierre, A. (2001). *Age differences, cognitive control and prefrontal cortex in the Process-Dissociation procedure*. Poster presented at the 3rd International Conference On Memory, Valencia, Spain, July 16-20.
- Chicherio, C.**, Ludwig C., Terraneo, L., de Ribaupierre, A., Giacobini, E., Magistretti, P., & Slosman, D.O. (2001). *Individual differences in working memory (WM) capacity in normal aging: A comparison with Alzheimer's disease during verbal fluency using ^{99m}Tc -HMPAO SPECT*. Poster presented at the 7th International Conference on Functional Mapping of the Human Brain, Brighton, UK, June 10-14.
- Slosman, D.O., **Chicherio, C.**, Ludwig C., de Ribaupierre, S., Genton, L., de Ribaupierre, A., Pichard, C., Mayer, E., & Annoni, J.-M. (2001). *Quantitative ^{133}Xe SPECT in normal population: T-score analysis as a primary approach for clinical use*. Poster presented at the 48th Annual Meeting of the Society of Nuclear Medicine, Toronto, Canada, June 23-27.
- Ludwig, C., **Chicherio, C.**, Laemmler, C., de Ribaupierre, A., Giacobini, E., Magistretti, P., & Slosman, D.O. (2001). *^{99m}Tc -HMPAO uptake during verbal fluency: A longitudinal study of 52 healthy elderly*. Poster presented at the 7th International Conference on Functional Mapping of the Human Brain, Brighton, UK, June 10-14.
- de Ribaupierre, S., **Chicherio, C.**, Ludwig, C., Genton, L., Pichard, C., Annoni, J.-M., de Ribaupierre, A., & Slosman, D.O. (2001). *Effects of diving environment on the cerebellum*. Poster presented at the 7th International Conference on Functional Mapping of the Human Brain, Brighton, UK, June 10-14.
- Slosman, D.O., Ludwig C., **Chicherio, C.**, de Ribaupierre, A., Giacobini, E. & Magistretti, P. (2001). *Regional ^{99m}Tc -HMPAO up-take changes in normal aging emphasized by a longitudinal SPECT activation protocol*. Poster presented at the 2nd Annual Meeting of the Swiss Society of Nuclear Medicine, Lugano, Switzerland, May 7-19.
- Chicherio, C.**, Ludwig, C., Slosman, D.O., de Ribaupierre, A., Giacobini, E. & Magistretti, P. (2000). *Changes in brain activation induced by a verbal fluency task in aging: A 2-years follow up study using ^{99m}Tc -HMPAO SPECT*. Poster presented at the Annual Congress of the European Association of Nuclear Medicine, Paris, France, September 2-6.
- Ludwig, C., **Chicherio, C.**, Terraneo, L., de Ribaupierre, A., Giacobini, E., Magistretti, P. & Slosman, D. O. (2000). *Regional cerebral blood flow in normal aging: A 2-years longitudinal evaluation using a ^{99m}Tc -HMPAO brain SPECT activation protocol*. Poster presented at the 6th International Conference on Functional Mapping of the Human Brain, San Antonio, USA, June 12-16.
- Slosman, D.O., de Ribaupierre, S., **Chicherio, C.**, Ludwig, C., Genton, L., Valera-Kummer, S., de Ribaupierre, A., Pichard, C., Mayer, E. & Annoni, J.-M. (2000). *Neurofunctional long-term effects of diving activity: Preliminary results of the Geneva "Memory-Dive" study*. Poster presented at the Annual Congress of the European Association of Nuclear Medicine, Paris, France, September 2-6.
- Slosman, D.O., **Chicherio, C.**, Genton, L., Ludwig, C., de Ribaupierre, A., Pichard, C., Mayer, E., & Annoni, J.M. (1999). *Débit sanguin cérébral dans une population normale par SPECT quantitative au Xenon-133: Une étude préliminaire de validation et applications*

- futures*. Poster presented at the Ve Congrès de Neuropsychologie Latino-Americaine, Varadero, Cuba, October 17-20.
- Slosman, D. O., **Chicherio, C.**, Genton, L., Ludwig, C., de Ribaupierre, A., Pichard, C., Mayer, E., & Annoni, J.-M. (1999). *Cerebral blood flow (CBF) in normal populations using quantitative Xenon-133 SPECT: A preliminary study*. Poster presented at the Annual Congress of the European Association of Nuclear Medicine, Barcelona, Spain, October 9-13.
- Slosman, D. O., **Chicherio, C.**, Genton, L., Ludwig, C., de Ribaupierre, A., Pichard, C., Mayer, E., & Annoni, J.-M. (1999). *Study of the reproductibility of cerebral blood flow (CBF) measurment using quantitative Xenon- 133 SPECT*. Poster presented at the Annual Congress of the European Association of Nuclear Medicine, Barcelona, Spain, October 9-13.
- Slosman, D. O., **Chicherio, C.**, Ludwig C., Kummer, S., Genton, L., Pichard, C., & Annoni, J.-M. (1999). *Neurofunctional long-term effects of non professional scuba diving - The Geneva Memory Dive Study. Part 1: Preliminary results*. Poster presented at the 27th Annual Meeting of the South Pacific Underwater Medicine Society, Fidji Islands, April 30–May 9.
- Slosman, D. O., **Chicherio, C.**, Ludwig C., de Ribaupierre, A., Annoni, J.-M., Giacobini, E., & Magistretti, P. (1999). *Abnormal patterns of rCBF changes in Alzheimer brain metabolism: A 99mTc-HMPAO SPECT study*. Poster presented at the 4th joint Meeting of the Swiss Society for Neuroscience and the Swiss Society for Biological Psychiatry, Zurich, Switzerland, January 16.
- Vuilleumier, P., Landis, T., **Chicherio, C.**, Pasini, W., & Slosman, D.O. (1999). *Functional connectivity in hysterical paralysis: A 99mTc-ECD activation study*. Poster presented at the Annual Congress of the European Association of Nuclear Medicine, Barcelona, Spain, October 9-13.
- Slosman, D. O., Ludwig, C., **Chicherio, C.**, de Ribaupierre, A., Annoni, J.-M., Giacobini, E., & Magistretti, P. (1999). *Verbal fluency in Alzheimer disease and normal ageing: A 99mTc-HMPAO study*. Poster presented at the 5th International Conference on Functional Mapping of the Human Brain, Düsseldorf, Germany, June 22-26.
- Slosman, D. O., Ludwig, C., **Chicherio, C.**, de Ribaupierre, A., Annoni, J.-M., Giacobini, E., & Magistretti, P. (1999). *99mTc-HMPAO SPECT activation in Alzheimer disease: Patterns of rCBF changes induced by a verbal fluency task*. Poster presented at the European Brain and Behavior Society Workshop, Ascona, Switzerland, February 28-March 3.
- Chicherio, C.**, Salmon, E., Van der Linden, M., Degueldre, C., Luxen, A., & Franck, G. (1998). *Functional imaging of episodic long-term memory: Hippocampus and cued recall in Alzheimer's disease*. Poster presented at the 4th International Conference on Functional Mapping of the Human Brain, Montreal, Canada, June 7-12.
- Lekeu, F., **Chicherio, C.**, Salmon, S., & Van der Linden, M. (1998). *Spaced retrieval, prospective memory and Alzheimer's disease*. Poster presented at the 6th International Conference on Alzheimer's disease and related disorders, Amsterdam, The Netherlands, July 18-23.
- Colette, F., **Chicherio, C.**, Van der Linden, M., & Salmon, E. (1998). *Working memory: manipulating information*. Poster presented at the 8th Meeting and 10th Anniversary of the European Neurological Society, June 6-10.
- Lekeu, F., **Chicherio, C.**, Van der Linden, M., & Salmon, E. (1997). *Prise en charge des déficits de mémoire prospective dans la maladie d'Alzheimer*. Poster presented at the Journée de Décembre de la Société de Neuropsychologie de Langue Française, Paris, France, December 8.
- Salmon, E., **Chicherio, C.**, Collette, F., Degueldre, C., Franck, G., & Van der Linden, M. (1997). *Visual short term memory: Cerebral substrate of sequential span emphasized by a follow-up study in Alzheimer's disease*. Poster presented at the 3rd International Conference on Functional Mapping of the Human Brain, Copenhagen, Denmark, May 16.

3. Invited Talks in Internal/External Colloquia and Symposia

- Fagot, F., Chicherio, C. (2015, January). *La variabilité dans la performance est-elle (dys)fonctionnelle pour le développement cognitif?* Colloque de recherche, Université Poitiers, France.
- Chicherio, C., Fagot, D. (2015, January). *Variabilité cognitive et cérébrale : Sources de changement et niveaux d'analyse.* Colloque de recherche, Université Poitiers, France.
- Chicherio, C., Bridel, C., Assal, F. (2014, October). *Madame S. et ses mémoires.* Colloque clinique du service de neurologie, Hôpitaux Universitaires de Genève.
- Lascano, A., Chicherio, C., Assal, F. (2014, June). *Maladie orpheline genevoise.* Colloque clinique du service de neurologie, Hôpitaux Universitaires de Genève.
- Blanco, A., Bostelmann, M., & Chicherio, C. (2013, April). *Cervelet et cognition.* Colloque clinique du service de neurologie, Hôpitaux Universitaires de Genève.
- Chicherio, C. (2012, September). *Phonological neighborhood in working memory and language production: An integrative approach to the study of aging.* Geneva Aging Series 1, FPSE, Université de Genève.
- Chicherio, C. (2012, February). *Nouvelles perspectives dans l'étude de la simulation/exagération des troubles cognitifs.* Colloque Psychiatrie-Neuropsychologie, Hôpitaux Universitaires de Genève.
- Chicherio, C. (2009, January). *Que nous apportent les gènes dans l'étude du vieillissement normal et pathologique?* Colloque du Centre de Neurogérontopsychologie de la Clinique de Psychiatrie Gériatrique des Hôpitaux Universitaires de Genève.
- Chicherio, C. (2008, November). *Peut-on comprendre le vieillissement cognitif sans écouter ce que nous racontent les gènes?* Séminaire de maîtrise Orientations Psychologie Cognitive et Psychologie du Développement, FPSE, Université de Genève.
- Ludwig, C., & Chicherio, C. (2008, June). *Transitions et inégalités: Réserve cérébrale et cognitive dans le vieillissement.* Colloque lémanique IRIS, Geneva.
- Chicherio, C. (2007, November). *Le vieillissement cognitif et cérébral : Un équilibre en pertes et gains.* Journée d'études ARC – retraite et santé, Université de Liège, Belgium.
- Chicherio, C. (2007, November). *Comment concilier compensation cérébrale et dédifférenciation cognitive? Les apports d'une perspective intégrative du vieillissement.* Conférences du Service de Neuropsychologie, Université de Liège, Belgium.
- Chicherio, C., & Ludwig, C. (2005, May). *Apport de l'imagerie cérébrale pour répondre aux grandes questions en psychologie du vieillissement: L'étude des phénomènes de compensation cérébrale en mémoire de travail.* Colloque du Centre de Neurogérontopsychologie, Hôpitaux Universitaires de Genève.
- Chicherio, C., & Ludwig, C. (2004, April). *Apport de l'imagerie cérébrale pour répondre aux grandes questions en psychologie du vieillissement: L'étude des phénomènes de compensation cérébrale en mémoire de travail.* Colloque du Centre de Neurogérontopsychologie, Hôpitaux Universitaires de Genève.
- Chicherio, C. (2002, January). *Imagerie fonctionnelle PET dans les processus de vieillissement.* Journée de l'Image des Facultés de Médecine, Psychologie et Sciences de l'Education et Sciences Cliniques et Dermatologiques, Hôpitaux Universitaires de Genève.
- Chicherio, C. (1999, December). *Activation 99mTc-ECD SPECT chez des patients présentant un trouble dissociatif.* Colloques Neuropsychologie-Psychiatrie, Hôpitaux Universitaires de Genève.
- Chicherio, C., & Ludwig, C. (1998, December). *Activation cognitive au SPECT dans la maladie d'Alzheimer.* Brain Mapping and Neuropsychology Meetings, Hôpitaux Universitaires de Genève.
- Chicherio, C., Lekeu, F., Salmon, E., & Van der Linden, M. (1997, May). *Techniques d'apprentissage lexicosémantique chez le patient Alzheimer.* Journée scientifique "Mémoire

sémantique et maladie d'Alzheimer", Unité de logopédie et Centre de langage de la Clinique de Psychiatrie Gériatrique, Hôpitaux Universitaires de Genève.

Chicherio, C. (1997, March). *Comment aborder la question de la simulation des troubles cognitifs dans l'examen neuropsychologique?* Séminaires de Neuropsychologie, Faculté de Psychologie et des Sciences de l'Éducation, University of Liège, Belgium.