

◆ SFR FED 4226 Neuroimagerie Fonctionnelle – Publications

◆ **Année 2021**

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- ◆ Alarcán H, Chaumond R, Emond P, Benz-De Bretagne I, Lefèvre A, Bakkouche SE, Veyrat-Durebex C, Vourc'h P, Andres C, Corcia P, Blasco H. Some CSF Kynurenine Pathway Intermediates Associated with Disease Evolution in Amyotrophic Lateral Sclerosis. *Biomolecules*. 2021 May 5;11(5):691. doi: 10.3390/biom11050691. **(Inserm UMR U1253 iBrain Eq2 + Eq3)**
- ◆ Barrière DA, Ella A, Szeremeta F, Adriaensen H, Mème W, Chaillou E, Migaud M, Mème S, Lévy F, Keller M. 2021. Brain orchestration of pregnancy and maternal behavior in mice: A longitudinal morphometric study. *Neuroimage*. Apr 15;230:117776. doi: 10.1016/j.neuroimage.2021.117776. **(UMR Inrae PRC Eq NDCS + NICS + NyRHVana & CBM Eq3)**
- ◆ Bouquet C, Lafleur M, Quintard V, Jouffre S, Wamain Y, Coello Y, Toussaint L. Self-partner inclusion predicts performance of romantically involved individuals in a body-scaled action-anticipation task. *PLoS One* 2021 16(5):e0251425. **(CeRCA Eq SOCOG + EXSECO)**
- ◆ Chaney AM, Lopez-Picon FR, Serrière S, Wang R, Bochicchio D, Webb SD, Vandesquille M, Harte MK, Georgiadou C, Lawrence C, Busson J, Vercouillie J, Tauber C, Buron F, Routier S, Reekie T, Snellman A, Kassiou M, Rokka J, Davies KE, Rinne JO, Salih DA, Edwards FA, Orton LD, Williams SR, Chalon S, Boutin H. Prodromal neuroinflammatory, cholinergic and metabolite dysfunction detected by PET and MRS in the TgF344-AD transgenic rat model of AD: a collaborative multi-modal study. *Theranostics* 2021; 11(14): 6644-6667. **(Inserm UMR U1253 iBrain Eq3 & ICOA)**
- ◆ Dandaba M, Ebrahimighavam S, Langbour N, Chatard A, Jaafari N. (2021). Echelle d'évaluation de l'insight dans l'alcoolisme: validation de la version française du questionnaire Hanil Alcohol Insight Scale (HAIS). *Psychotropes*, 4, 87-113. **(CeRCA SoCog & Inserm UMR U1084 LNEC Eq2)**
- ◆ Deraredj Nadim W, Hassanaly S, Benedetti H, Kieda C, Grillon, C, Morisset-Lopez, S. The GTPase-activating protein-related domain of neurofibromin interacts with MC1R and regulates pigmentation-mediated signaling in human melanocytes. *Biochem Biophys Res Commun* (2021) 534, 758-764. **(CBM Eq1 + Eq3).**
- ◆ Desmidt T, Gissot V, Dujardin PA, Andersson F, Barantin L, Brizard B, Arlicot N, Réméniéras JP, Espitalier F, El-Hage W, Camus V. A Case of Sustained Antidepressant Effects and Large Changes in the Brain With a Single Brief Exposure to Nitrous Oxide. *Am J Geriatr Psychiatry*. 2021:S1064-7481(21)00168-8. **(Inserm UMR U1253 iBrain Eq1 + Eq3)**
- ◆ Dubuson, M., Kornreich, C., Vanderhasselt, M.A., Baeken, C., Wyckmans, F., Dousset, C., Hanak, C., Veeseer, J., Campanella, S., Chatard, A., Jaafari, N., & Noël, X. (2021). Transcranial direct current stimulation combined with alcohol cue inhibitory control training reduces the risk of early alcohol relapse: a randomized placebo-controlled clinical trial. *Brain Stimulation*, 14, 1531-1543. **(CeRCA SoCog & Inserm UMR U1084 LNEC Eq2)**
- ◆ Dupont AC, Serrière S, Barantin L, Vercouillie J, Tauber C, Gissot V, Bodard S, Chicheri G, Chalon S, Bonnet-Brilhault PF, Santiago-Ribeiro PM, Arlicot N. Study of influence of the glutamatergic concentration of [ 18 F]FPEB binding to metabotropic glutamate receptor subtype 5 with N-acetylcysteine challenge in rats and SRM/PET study in human healthy volunteers. *Transl Psychiatry*. 2021 Jan 20;11(1):66. doi: 10.1038/s41398-020-01152-2. **(Inserm UMR U1253 iBrain Eq1 + Eq3)**
- ◆ Dupuy C, Castelnau P, Mavel S, Lefevre A, Nadal-Desbarats L, Bodard S, Busson J, Dufour-Rainfray D, Blasco H, Emond P, Galineau L. SHR/NCrl rats as a model of ADHD can be discriminated from controls based on their brain, blood, or urine metabolomes. *Transl Psychiatry*. 2021 Apr 22;11(1):235. doi: 10.1038/s41398-021-01344-4. **(Inserm UMR U1253 iBrain Eq2 + Eq3)**
- ◆ Gallet Q, Bouteloup V, Locatelli M, Habert MO, Chupin M, Delrieu J, Lebouvier T, Robert G, David R, Bulteau S, Balageas AC, Surget A, Belzung C, Arlicot N, Ribeiro MJ, Barantin L, Andersson F,

Cottier JP, Gissot V, El-Hage W, Camus V, Gohier B, Desmidt T; MEMENTO study group. Benzodiazepine use and neuroimaging markers of Alzheimer's disease in nondemented older individuals: an MRI and 18F Florbetapir PET study in the MEMENTO cohort. *Neuropsychopharmacology* 2021. doi:10.1038/s41386-021-01246-5 (**Inserm UMR U1253 iBrain Eq1 + Eq3**)

- ◆ Grimaud E, Clarys D, Vanneste S, Taconnat L. (in press). Stimulation cognitive chez les personnes âgées : effets d'une méthode de stimulation cognitive par les jeux sur les fonctions cognitives et l'estime de soi. *Psychologie Française (CeRCA Eq EXSECO + VIME)*
- ◆ Harika-Germaneau G, Langbour N, Patri S, Solinas M, Chatard A, Millet B, Hashemian F, Pérault-Pochat M-C, Jaafari N, Lafay-Chebassier C. (2021). Impact of brain-derived neurotrophic factor Val66Met polymorphism and response to escitalopram or paroxetine in obsessive-compulsive disorder. *CNS Spectrums*, 1-7. (**CeRCA SoCog & Inserm UMR U1084 LNEC Eq2**)
- ◆ Lormant F, Ferreira VHB, Lemarchand J, Cornilleau F, Constantin P, Parias C, Bertin A, Lansade L, Letierrier C, Lévy F, Calandreau L. Training level reveals a dynamic dialogue between stress and memory systems in birds. *Behav Brain Res.* 2021 Jun 25; 408:113280. doi: 10.1016/j.bbr.2021.113280 (**UMR Inrae PRC Eq CEB + NDCS**)
- ◆ Mamoune KE, Barantin L, Adriaensen H, Tillet Y (2021) Application of Chemical Exchange Saturation Transfer (CEST) in neuroimaging. *J Chem Neuroanat.* 114:101944 (**Inserm UMR U1253 iBrain Eq3 & UMR Inrae PRC Eq MiDyNN**)
- ◆ Noël X, Dubuson M, Rougier M, Lelard T, Mouras H, Kornreich C, Wyckmans F, Pereira M, Chatard A, Jaafari N, Campanella S. (2021). Distinct Whole-Body Movements in Response to Alcohol and Sexual Content in Alcohol Use Disorder. *Alcoholism: Clinical and Experimental Research*, 45, 620-629. (**CeRCA SoCog & Inserm UMR U1084 LNEC Eq2**)
- ◆ Nowak R, Lévy F, Chaillou E, Cornilleau F, Cognié J, Marnet PG, Williams PD, Keller M. 2021. Neonatal Suckling, Oxytocin, and Early Infant Attachment to the Mother. *Front Endocrinol (Lausanne)*. Feb 8;11:612651. doi: 10.3389/fendo.2020.612651. eCollection 2020. PMID: 33628199 Free PMC article. (**UMR Inrae PRC Eq NDCS + NICS**)
- ◆ Poissenot K, Chorfa A, Moussu C, Trouillet AC, Brachet M, Chesneau D, Chemineau P, Ramadier E, Pinot A, Benoit E, Lattard V, Dardente H, Drevet J, Saez F, Keller M. 2021 Photoperiod is involved in the regulation of seasonal breeding in male water voles (*Arvicola terrestris*). *J Exp Biol.*; 224(19):jeb242792. doi: 10.1242/jeb.242792. Epub Oct 8. PMID: 34494651 (**UMR Inrae PRC Eq NMR + NICS**)
- ◆ Poissenot K, Moussu C, Chesneau D, Ramadier E, Abi Khalil R, Chorfa A, Chemineau P, Michelin Y, Saez F, Drevet J, Benoit E, Lattard V, Pinot A, Dardente H, Keller M. 2021. Field study reveals morphological and neuroendocrine correlates of seasonal breeding in female water voles, *Arvicola terrestris*. *Gen Comp Endocrinol.* Sep 15;311:113853. doi: 10.1016/j.ygcen.2021.113853. Epub 2021 Jul 12. PMID: 34265346 (**UMR Inrae PRC Eq NMR + NICS**)
- ◆ Quidé Y, Zine A, Descriaud C, Saint-Martin P, Andersson F, El-Hage W. Aberrant intrinsic connectivity in women victims of sexual assault. *Brain Imaging Behav.* 2021. (**Inserm UMR U1253 iBrain Eq1 + Eq3**)
- ◆ Siragusa MA, Révéniéras JP, Bouakaz A, Escoffre JM, Patat F, Dujardin PA, Brizard B, Belzung C, Camus V, El-Hage W, Desmidt T. A systematic review of ultrasound imaging and therapy in mental disorders. *Prog Neuropsychopharmacol Biol Psychiatry.* 2020;101:109919. (**Inserm UMR U1253 iBrain Eq1 + Eq3**)
- ◆ Siragusa MA, Rufin T, Courtois R, Belzung C, Andersson F, Brizard B, Dujardin PA, Cottier JP, Patat F, Révéniéras JP, Gissot V, El-Hage W, Camus V, Desmidt T. Left amygdala volume and brain tissue pulsatility are associated with neuroticism: an MRI and ultrasound study. *Brain Imaging Behav.* 2020. (**Inserm UMR U1253 iBrain Eq1 + Eq3 & Qualipsy**)
- ◆ Thierrée S, Raulin-Briot M, Legrand M, Le Gouge A, Vancappel A, Tudorache A-C, Brizard B, Clarys D, Caille A, El-Hage W. Combining Trauma Script Exposure With rTMS to Reduce Symptoms of

Post-Traumatic Stress Disorder: Randomized Controlled Trial Neuromodulation 2021. DOI: 10.1111/ner.13505 (**Inserm UMR1253 iBrain Eq1 & CeRCA Eq VIME + DysCo**).

- ◆ Vancappel A, Guerin L, Réveillère C, El-Hage, W. (2021). Disentangling the link between mindfulness and dissociation: The mediating role of attention and emotional acceptance. *European Journal of Trauma & Dissociation*, 5, 100220. (**QualiPsy & UMR Inserm U1253 iBrain Eq1**)
- ◆ Vancappel A, Jansen E, Bachem R, Bray A, Egreteau L, Réveillère C, Maercker A, El-Hage W. Validation of the French ADNM-20 in the assessment of emotional difficulties resulting from COVID-19 quarantine and outbreak. *BMC Psychology* 2021;9(1):180. doi: 10.1186/s40359-021-00683-7 (**QualiPsy & Inserm UMR U1253 iBrain Eq1**)
- ◆ Vancappel A, Jansen E, Ouhmad N, Desmidt T, Etain B, Bergey C, d'Ussel M, Krebs MO, Paquet C, Réveillère C, Hingray C, El-Hage W. Psychological Impact of Exposure to the COVID-19 Sanitary Crisis on French Healthcare Workers: Risk Factors and Coping Strategies. *Frontiers in Psychiatry* 2021;12:701127. doi:10.3389/fpsyt.2021.701127 (**QualiPsy & Inserm UMR U1253 iBrain Eq1**).
- ◆ Vetel S, Foucault-Fruchard L, Tronel C, Buron F, Vergote J, Bodard S, Routier S, Sérrière S, Chalon S. Neuroprotective and anti-inflammatory effects of a therapy combining agonists of nicotinic  $\alpha 7$  and  $\sigma 1$  receptors in a rat model of Parkinson's disease. *Neural Regeneration Research* vol.16, 2021 (**Inserm UMR U1253 iBrain Eq3 & ICOA**)
- ◆ Villatte J, Taconnat L, Toussaint, L. Short-term upper limb immobilization and the embodied view of memory: a pilot study. *PLoS One*. 2021 Mar 11;16(3):e0248239. doi: 10.1371/journal.pone.0248239 (**CeRCA Eq EXSECO + VIME**)
- ◆ Zak A, Lemaire L, Chalon S, Chicheri G, Marzag H, Bodard S, Sérrière S, Routier S, Buron F, Vercouillie J. [18F]-labelled positron emission tomography ligands for the histamine H4 receptor. *J Label Compd Radiopharm* 2021, 1-10. (**Inserm UMR U1253 iBrain Eq3 & ICOA**)
- ◆ Zak A, Marzag H, Rodrigues N, Vercouillie J, Chalon S, Buron F, Routier S. Synthesis of  $\gamma$ -carboline N-oxide under gold(I)- catalysis and C-1amino and fluoro  $\gamma$ -carboline. *Tetrahedron* 2021, Volume 89, 4 June 2021, 132154 . (**Inserm UMR U1253 iBrain Eq3 & ICOA**).