

Liste des principales publications de l'équipe E1 (2012 à 2016)

ACL - Articles publiés dans des revues internationales avec comité de lecture répertoriées par le HCERES ou dans les bases de données internationales

1. Coffineau C, **Couillandre A**, Chapus J, Lampire N. Spastic co-contractions of hemiparetic patients: Which rehabilitation to improve gait? *Annals of Physical and Rehabilitation Medicine*, 2016. Volume 59, Pages e76-e77. Q2
2. Dumont A, Kadel N, Brunet N, Colombié NB, Lewton Brain P, A. **Couillandre**. Danse et santé. *Science & Sports*, 31 : 236-244. Q3
3. **Vernazza-Martin S, Fautrelle L**, Vieillard S, Longuet S, **Dru V**. Age-related differences in processes organizing goal-directed locomotion towards emotional pictures. *Neuroscience*. 2016 (in press). Q1
4. Belkhiria C, **Driss T**, Habas C, Jaafar H, Guillevin R, **de Marco G**. Exploration and identification of cortico-cerebellar-brainstem closed loop during a motivational-motor task: an fMRI study. *The Cerebellum*. 2016 Jun 7. [Epub ahead of print]. Q1
5. Jaafar H, Rouis M, Attiogbé E, Vandewalle H, **Driss T**. A Comparative Study Between the Wingate and Force-Velocity Anaerobic Cycling Tests: Effect of Physical Fitness. *International Journal of Sports Physiology and Performance*. 2016; 11:48-54. Q1
6. Zinoubi B, Vandewalle H, **Driss T**. Modeling of Running Performances in Human: Comparison of Power Laws and Critical Speed. *Journal of Strength and Conditioning Research*. 2016. Jul 15. [Epub ahead of print]. Q1
7. Ammar A, Turki M, Chtourou H, Hammouda O, Trabelsi K, Kallel C, Abdel Karim O, Hoekelmann A, Bouaziz M, Makni Ayadi F, **Driss T**, Souissi N. Pomegranate supplementation accelerates the recovery kinetics of muscle damage and inflammatory markers after weightlifting training session. *PLoS One*. 2016;11(10):e0160305. Q1
8. **Genolini C**, Ecochard R, Benghezal M, **Driss T**, Andrieu S, Subtil F. kmlShape: An Efficient Method to Cluster Longitudinal Data (Time-Series) According to Their Shapes. *PLoS One*. 2016 Jun 3;11(6):e0150738. doi: 10.1371/journal.pone.0150738. Q1
9. Zbidi S, Zinoubi B, Hammouda O, Vandewalle H, Serrau V, **Driss T**. Co-contraction training and muscle explosive force. *Journal of Sports Medicine and Physical Fitness*. 2016 Sep 14. [Epub ahead of print]. Q2
10. Rouis T, Coudrat L, Jaafar H, Attiogbé E, Vandewalle H, **Driss T**. Effects of ethnicity on the relationship between vertical jump and maximal power on a cycle ergometer. *Journal of Human kinetics*. 2016. 51: 209-2016. Q2
11. Mejri MA, Yousfi N, Hammouda O, Tayech A, Ben Rayana MC, **Driss T**, Chaouachi A, Souissi N. One night of partial sleep deprivation increased biomarkers of muscle and cardiac injuries during acute intermittent exercise. *Journal of Sports Medicine and Physical Fitness*. 2016 Feb 11 [EPUB ahead of print]. Q2

12. Ghattassi K, Hammouda O, Graja A, Boudhina N, Chtourou H, Hadhri S, Driss T, Souissi N. Morning melatonin ingestion and diurnal variation of short-term maximal performances in soccer players. *Acta Physiologica Hungarica (Physiology International)*. 2016. 103(1):94-104. Q3
13. Thompson SBN, Daly S, Le Blanche A, Abidi M, Belkhiria C, **Driss T, de Marco G.** fMRI Randomized Study of Mental and Motor Task Performance and Cortisol Levels to Potentiate Cortisol as a New Diagnostic Biomarker. *Journal of Neurology and Neuroscience*. 2016. Vol. 7 No. 2: 92.
14. **Slawinski J**, Houel N, Bonnefoy-Mazure A, Lissajoux K, Bocquet V, **Termoz N.** Mechanics of standing and crouching sprint starts. *Journal of Sports Sciences*. 2016 Jun 14;1-8. [Epub ahead of print]. Q1
15. Samozino P, Rabita G, Dorel S, **Slawinski J**, Peyrot N, Saez de Villarreal E, Morin JB. A simple method for measuring power, force, velocity properties, and mechanical effectiveness in sprint running. *Scandinavian Journal of Medicine & Science in Sports* 2016 Jun;26(6):648-58. doi: 10.1111/sms.12490. Q1
16. Kubicki A, **Fautrelle L**, Bourrelie J, Rouaud O, Mourey F. The Early Indicators of Functional Decrease in Mild Cognitive Impairment. *Frontiers in Aging Neuroscience*. 2016 Aug 12;8:193. doi: 10.3389/fnagi.2016.00193. eCollection 2016. Q1
17. Rousseau C, **Fautrelle L**, Papaxanthis C, Fadiga L, Pozzo T, White O. Direction-dependent activation of the insular cortex during vertical and horizontal hand movements. *Neuroscience*. 2016 Jun 14;325:10-9. doi: 10.1016/j.neuroscience.2016.03.039. Q1
18. Chica AB, **Bayle DJ**, Botta F, Bartolomeo P, Paz-Alonso PM. Interactions between phasic alerting and consciousness in the fronto-striatal network. *Scientific Reports*. 2016 Aug 24;6:31868. doi: 10.1038/srep31868. Q1
19. Jaafar H, Rouis R, Coudrat L, **Gélat T**, Noakes TD, **Driss T.** Influence of affective stimuli on leg power output and associated neuromuscular parameters during repeated high intensity cycling exercises. *PLoS One*. 2015 Aug 25;10(8):e0136330. doi: 10.1371/journal.pone.0136330. eCollection 2015. 2015. Q1.
20. Zbidi S, Zinoubi B, Vandewalle H, **Driss T.** Diurnal rhythm of muscular strength depends on temporal specificity of self-resistance training. *Journal of Strength and Conditioning Research*. 2015. Post Acceptance: August 25, 2015. Q1
21. Jaafar H, Attiogbé E, Rouis M, Vandewalle H., **Driss T.** Reliability of force-velocity tests in cycling and cranking exercises in men and women. *BioMed Research International*. 2015; 2015:954780. doi: 10.1155/2015/954780. Epub 2015 Oct 11. Q2
22. **Driss T**, Lambertz D, Rouis M, Jaafar H, Vandewalle H. Musculotendinous stiffness of triceps surae, maximal rate of force development and vertical jump performance. *BioMed Research International*. 2015. vol 2015. pp. 1-11. Q2
23. Vandewalle H, **Driss T.** Friction loaded cycle ergometers: Past, present and future. *Cogent Engineering. Biomedical Engineering section*. 2015. Vol 2, Issue 1. pp.1-35.
24. Aloui A, Briki W, Baklouti H, Chtourou H, Driss T, Chaouachi A, Chamari K, Souissi N. Listening to Music during Warming-Up Counteracts the Negative Effect of Ramadan Observance on Short-Term Maximal Performance. *PLoS One*. 2015 Aug 24;10(8):e0136400. doi: 10.1371/journal.pone.0136400. eCollection 2015. 2015. Q1

25. Mejri MA, Hammouda O, Yousfi N, Zouaoui K, Ben Rayana MC, Chaouachi A, Driss T, Souissi N. One night of partial sleep deprivation affect biomarkers of cardiac damage but not cardiovascular and lipid profiles in young athletes. *Biological Rhythm Research*. 2015. 46; 715-724. Q3
26. **Slawinski J, Termoz N**, Rabita G, Guilhem G, Dorel S, Morin JB, Samozino P. How 100-m event analyses improve our understanding of world-class men's and women's sprint performance. *Scandinavian Journal of Medicine and Science in Sports*. 2015 Dec 8. doi: 10.1111/sms.12627. [Epub ahead of print]. Q1
27. Morin JB, **Slawinski J**, Dorel S, de Villareal ES, Couturier A, Samozino P, Brughelli M, Rabita G. Acceleration capability in elite sprinters and ground impulse: Push more, brake less? *Journal of Biomechanics*. 2015 Sep 18;48(12):3149-54. doi: 10.1016/j.jbiomech.2015.07.009. Epub 2015 Jul 17. Q1
28. Rabita G, Dorel S, **Slawinski J**, Sàez-de-Villarreal E, Couturier A, Samozino P, Morin JB. Sprint mechanics in world-class athletes: a new insight into the limits of human locomotion. *Scandinavian Journal of Medicine and Science in Sports*. 2015 Oct;25(5):583-94. doi: 10.1111/sms.12389. Epub 2015 Jan 31. Q1
29. **Vernazza-Martin S**, Longuet S, Damry T, **Chamot JM, Dru V**. When locomotion is used to interact with the environment: investigation of the link between emotions and the twofold goal-directed locomotion in humans. *Experimental Brain Research*. 2015 Oct;233(10):2913-24. doi: 10.1007/s00221-015-4361-2. Q2
30. Gendre M, Yiou E, **Gélat T**, Honeine JL, Deroche T. Directional specificity of postural threat on anticipatory postural adjustments during lateral leg raising. *Exp Brain Res*. 2016 Mar;234(3):659-71. doi: 10.1007/s00221-015-4471-x. Epub 2015 Oct 26. Erratum in: *Experimental Brain Research*. 2016 Apr;234(4):1159. Q2
31. **Gélat T, Chapus CF**. Reaction time in gait initiation depends on the time available for affective processing. *Neuroscience Letters*. 2015 Nov 16;609:69-73. doi: 10.1016/j.neulet.2015.10.003. Q2
32. **Fautrelle L**, Mareschal D, French R, Addyman C, Thomas E. Motor activity improves temporal expectancy. *PLoS One*. 2015 Mar 25;10(3):e0119187. doi: 10.1371/journal.pone.0119187. eCollection 2015. Q1
33. Bourgeois A, Neveu R, **Bayle DJ**, Vuilleumier P. How does reward compete with goal-directed and stimulus-driven shifts of attention? *Cognition and Emotion*. 2015 Sep 24;1-10. [Epub ahead of print]. Q1
34. Bourgeois A, Chica AB, Migliaccio R, **Bayle DJ**, Duret C, Pradat-Diehl P, Lunven M, Pouget P, Bartolomeo P. Inappropriate rightward saccades after right hemisphere damage: Oculomotor analysis and anatomical correlates. *Neuropsychologia*. 2015 Jul;73:1-11. doi: 10.1016/j.neuropsychologia.2015.04.013. Epub 2015 Apr 27. Q1
35. Rouis M, Attiogbé E, Vandewalle H, Jaafar H, Noakes TD, **Driss T**. Relationship between vertical jump and maximal power output of legs and arms: effects of ethnicity and sport. *Scandinavian Journal of Medicine & Science in Sports*. 2015 Apr;25(2):e197-207. doi: 10.1111/sms.12284. Epub 2014 Jul 21. 2015 25: e197-207. Q1
36. Jaafar H, Rouis M, Coudrat L, Attiogbé E, Vandewalle H, **Driss T**. Effects of Load on Wingate-Test Performances and Reliability. *Journal of Strength and Conditioning Research*. 2014. 28(12): 3462-8. Q1

37. Coudrat L, Rouis M, Jaafar H, Attiogbé E, **Gélat T, Driss T**. Emotional pictures impact repetitive sprint ability test on cycle ergometre. *Journal of Sports Sciences*. 2014. 32(9): 892-900. Q1
38. Rouis M, Coudrat L, Jaafar H, Filliard JR, Vandewalle H, Barthélémy Y, **Driss T**. Isokinetic knee strength and vertical jump relationship in elite young female basketball players. *Journal of Sports Medicine and Physical Fitness*. 2015 Dec; 55(12):1502-8. Q2
39. Chtourou H, Briki W, Aloui A, **Driss T**, Souissi S, Chaouachi A. Relation entre musique et performance sportive : Vers une perspective complexe et dynamique. Relationship between Music and Sport Performance: Toward a Complex and Dynamical Perspective. *Science & Sports*. 2015. 30, 119-125. Q3
40. **Slawinski J**, Pradon D, Bensmail D, Roche N, Zory R. Energy cost of obstacle crossing in stroke patients. *American Journal Physical Medicine and Rehabilitation*. 2014 Dec;93(12):1044-50. doi: 10.1097/PHM.000000000000122. Q1
41. Pradon D, Mazure-Bonnefoy A, Rabita G, Hutin E, Zory R, **Slawinski J**. *Prosthetics and Orthotics International*. 2014 Jun;38(3):248-52. doi: 10.1177/0309364613497392. Epub 2013 Aug 28. Q1
42. Thiebaut de Schotten M, Urbanski M, Valabregue R, **Bayle DJ**, Volle E. Subdivision of the occipital lobes: an anatomical and functional MRI connectivity study. *Cortex*. 2014 Jul;56:121-37. doi: 10.1016/j.cortex.2012.12.007. Epub 2012 Dec 19. Q1
43. **Driss T**, Serrau T, Behm DG, **Lesne-Chabran E, Le Pellec-Muller A**, Vandewalle H. Isometric training with maximal co-contraction instruction does not increase co-activation during exercises against external resistances. *Journal of Sports Sciences*. 2014. 32(1): 60-9. Epub 2013 Jul 23. Q1
44. **Driss T**, Vandewalle H. The measurement of maximal (anaerobic) power output on a cycle ergometer: a critical review". *BioMed Research International*. 2013. vol 2013. pp. 1-40. (IF 1.593, 1.579, 2.706). Q2
45. **Genolini C**, Pingault JB, **Driss T**, Côté S, Tremblay RE, Vitaro F, Arnaud C, Falissard B. KmL3D: A non-parametric algorithm for clustering joint trajectories. *Computer Methods and Programs in Biomedicine*. 2013. 109(1): 104-11. (IF: 1.96, 1.897, 1.093). SJR Imago, (Health Informatics). Q1
46. Girard O, Millet GP, **Slawinski J**, Racinais S, Micallef JP. Changes in running mechanics and spring-mass behaviour during a 5-km time trial. *International Journal of Sports Medicine*. 2013 Sep;34(9):832-40. doi: 10.1055/s-0032-1329958. Epub 2013 Apr 2. Q1
47. Morin JB, Girard O, **Slawinski J**, Rabita G, Dalleau G, Brughelli M. *Sports Medicine*. 2013 Feb;43(2):151-3. doi: 10.1007/s40279-012-0010-0. Q1
48. **Slawinski J**, Dumas R, Cheze L, Ontanon G, Miller C, Mazure-Bonnefoy A. *Journal of Sports Sciences*. 2013;31(3):256-63. doi: 10.1080/02640414.2012.729076. Epub 2012 Oct 12. Q1
49. **Vernazza-Martin S**, Longuet S, **Chamot JM**, Orève MJ. Emotions and voluntary action: what link in children with autism? *Behavioural Brain Research*. 2013 Aug 15;251:176-87. doi: 10.1016/j.bbr.2013.05.049. Epub 2013 Jun 3. Q1

50. **Fautrelle L**, Gueugnon M, Barbieri G, Bonnetblanc F. Inter-hemispheric remapping between arm proprioception and vision of the hand is disrupted by single pulse TMS on the left parietal cortex. *Brain Cognition*. 2013 Jul;82(2):146-51. doi: 10.1016/j.bandc.2013.03.002. Epub 2013 May 6. Q1
51. Moisset X, Ouchchane L, Guy N, **Bayle DJ**, Dallel R, Clavelou P. Migraine headaches and pain with neuropathic characteristics: comorbid conditions in patients with multiple sclerosis. *Pain*. 2013 Dec;154(12):2691-9. doi: 10.1016/j.pain.2013.07.050. Epub 2013 Aug 2. Q1
52. Lehmann P, Saliou G, **de Marco G**, Monet P, Souraya SE, Bruniau A, Vallée JN, Ducreux D. Cerebral peritumoral oedema study: Does a single dynamic MR sequence assessing perfusion and permeability can help to differentiate glioblastoma from metastasis? *European Journal of Radiology*. 2012 Mar;81(3):522-7. Q1
53. Fautrelle L, Bonnetblanc F. On-line coordination in complex goal-directed movements: a matter of interactions between several loops. *Brain Research Bulletin*. 2012 Oct 1;89(1-2):57-64. Review. Q2
54. **Driss T**, Lambertz D, Rouis M, Vandewalle H. Influence of musculo-tendinous stiffness of the plantar ankle flexor muscles upon maximal power output on a cycle ergometer. *European Journal of Applied Physiology*. 2012. 112: 3721-28. Q1
55. Liacu D, Idy-Peretti I, Ducreux D, Bouilleret V, **de Marco G**. Diffusion tensor imaging tractography parameters of limbic system bundles in temporal lobe epilepsy patients. *Journal of Magnetic Resonance Imaging*. 2012 Sep;36(3):561-8. doi: 10.1002/jmri.23678. Epub 2012 May 2. Q1
56. Serrau V, **Driss T**, Vandewalle H, Behm DG, **Lesne-Chabran E**, **Le Pellec-Muller A**. Muscle activation of the elbow flexor and extensor muscles during self-resistance exercises: comparison of unilateral maximal co-contraction and bilateral self-resistance. *Journal of Strength and Conditioning Research*. 2012. 26: 2468-2477. Q1
57. Chtourou H, **Driss T**, Souissi S, Gam A, Chaouachi A, Souissi N. The Effect of Strength Training at the Same Time of the Day on the Diurnal Fluctuations of Muscular Anaerobic Performances. *Journal of Strength and Conditioning Research*. 2012. 26: 217-25. Q1
58. Costalat R, Francoise JP, Menuel C, Lahutte M, Vallée JN, **de Marco G**, Chiras J, Guillevin R. Mathematical modeling of metabolism and hemodynamics. *Acta Biotheoretica*. 2012 Jun;60(1-2):99-107. doi: 10.1007/s10441-012-9157-1. Epub 2012 Mar 11. Q1
59. Chtourou H, Chaouachi A, **Driss T**, Dogui M, Behm DG, Chamari K, Souissi N. The Effect of Training at the Same Time of Day and Tapering Period on the Diurnal Variation of Short Exercise performances. *Journal of Strength and Conditioning Research*. 2012. 26: 697-708. Q1
60. Destrieux C, Hommet C, Domengie F, Boissy JM, **de Marco G**, Joannette Y, Andersson F, Cottier JP. Influence of age on the dynamics of fMRI activations during a semantic fluency task. *Journal of Neuroradiology*. 2012 Jul;39(3):158-66. Q2
61. Leprêtre PM, Weissland T, Slawinski J, Lopes P. *Frontiers in Physiology*. 2012 Aug 15;3:327. doi: 10.3389/fphys.2012.00327. eCollection 2012. No abstract available. Q1

62. Frère J, Göpfert B, **Slawinski J**, Tourny-Chollet C. Shoulder muscles recruitment during a power backward giant swing on high bar: a wavelet-EMG-analysis. *Human Movement Science*. 2012 Apr;31(2):472-85. doi: 10.1016/j.humov.2012.02.002. Epub 2012 Apr 24. Q2
63. **Slawinski J**, Dumas R, Cheze L, Ontanon G, Miller C, Mazure-Bonnefoy A. 3D kinematic of bunched, medium and elongated sprint start. *International Journal of Sports Medicine*. 2012 Jul;33(7):555-60. doi: 10.1055/s-0032-1304587. Epub 2012 Apr 12. Q1
64. Frère J, Göpfert B, **Slawinski J**, Tourny-chollet C. Effect of the upper limbs muscles activity on the mechanical energy gain in pole vaulting. *Journal of Electromyography and Kinesiology*. 2012 Apr;22(2):207-14. doi: 10.1016/j.jelekin.2011.11.007. Epub 2011 Nov 30. Q2
65. Frère J, Göpfert B, Hug F, **Slawinski J**, Tourny-Chollet C. Catapult effect in pole vaulting: is muscle coordination determinant? *Journal of Electromyography and Kinesiology*. 2012 Feb;22(1):145-52. doi: 10.1016/j.jelekin.2011.10.001. Epub 2011 Oct 28. Q2
66. Frère J, Göpfert B, **Slawinski J**, Tourny-Chollet C. Influence of the scale function on wavelet transformation of the surface electromyographic signal. *Computer Methods in Biomechanics and Biomedical Engineering*. 2012;15(2):111-20. doi: 10.1080/10255842.2010.517199. Epub 2011 May 24. Q2
67. Longuet S, **Ferrel-Chapus C**, Orève MJ, **Chamot JM**, **Vernazza-Martin S**. Emotion, intent and voluntary movement in children with autism. An example: the goal directed locomotion. *Journal of Autism and Development Disorders*. 2012 Jul;42(7):1446-58. doi: 10.1007/s10803-011-1383-x. Q1
68. Lang A, Gapenne O, Aubert D, **Ferrel-Chapus C**. *Psychological Research*. 2013 Sep;77(5):517-27. doi: 10.1007/s00426-012-0460-x. Epub 2012 Oct 30. Q1
69. Tahej PK, **Ferrel-Chapus C**, Olivier I, Gin hac D, **Rolland JP**. Multiple representations and mechanisms for visuomotor adaptation in young children. *Human Movement Science*. 2012 Dec;31(6):1425-35. doi: 10.1016/j.humov.2012.02.016. Epub 2012 Jun 16. Q2
70. Vinti M, **Couillandre A**, Hausselle J, Bayle N, Merlo A, Hutin E, Gracies J.M (2012) Influence of Effort Intensity and Gastrocnemius Stretch on cocontraction and Torque Production in the Healthy and Paretic Ankle. 2013. *Clinical Neurophysiology*. Vol 124 issue 3: 528-535. IF₂₀₁₆: 3.426, IF_{5-Y}: 3.477, Q1