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Task-dependent activation of distinct fast and slow(er) motor pathways during motor imagery

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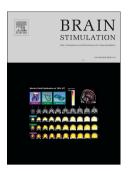
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Task-dependent activation of distinct fast and slow(er) motor pathways during motor 1 2 imagery 3 4 Running title: Pathway-specific activity during motor imagery Martin Keller<sup>1</sup>, Wolfgang Taube<sup>1</sup>, Benedikt Lauber<sup>1,2</sup> 5 <sup>1</sup>Unit of Movement and Sport Science, Department of Medicine, University of Fribourg, 1700 6 7 Fribourg, Switzerland <sup>2</sup>Department of Sport and Sport Science, University of Freiburg, 79117 Freiburg, Germany 8 9 10 Addresses: Martin Keller; Bd. de Pérolles 90, 1700 Fribourg, Switzerland (martin.keller@unifr.ch) 11 Wolfgang Taube; Bd. de Pérolles 90, 1700 Fribourg, Switzerland (wolfgang.taube@unifr.ch) 12 Benedikt Lauber, Schwarzwaldstr. 117, 79117 Freiburg, Germany 13 (benedikt.lauber@sport.uni-freiburg.de) 14 15 16 **Corresponing author:** 17 Martin Keller University of Fribourg 18 Movement and Sport Science 19 Boulevard de Pérolles 90 20 21 CH-1700 Fribourg 22 Switzerland 23 martin.keller@unifr.ch 24

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