

Supplementary Information

Multiplex coherent anti-Stokes Raman scattering highlights state of chromatin condensation in CH region

Tiffany Guerenne-Del Ben¹, Zakaniaina Rajaofara², Vincent Couderc², Vincent Sol¹, Hideaki Kano^{3,4},
Philippe Leproux^{2,5,*}, and Jean-Michel Petit^{1,*}

* Correspondence to philippe.leproux@unilim.fr and jean-michel.petit@unilim.fr

¹ PEIRENE, EA 7500, University of Limoges, 123 avenue Albert Thomas, 87060 Limoges, France

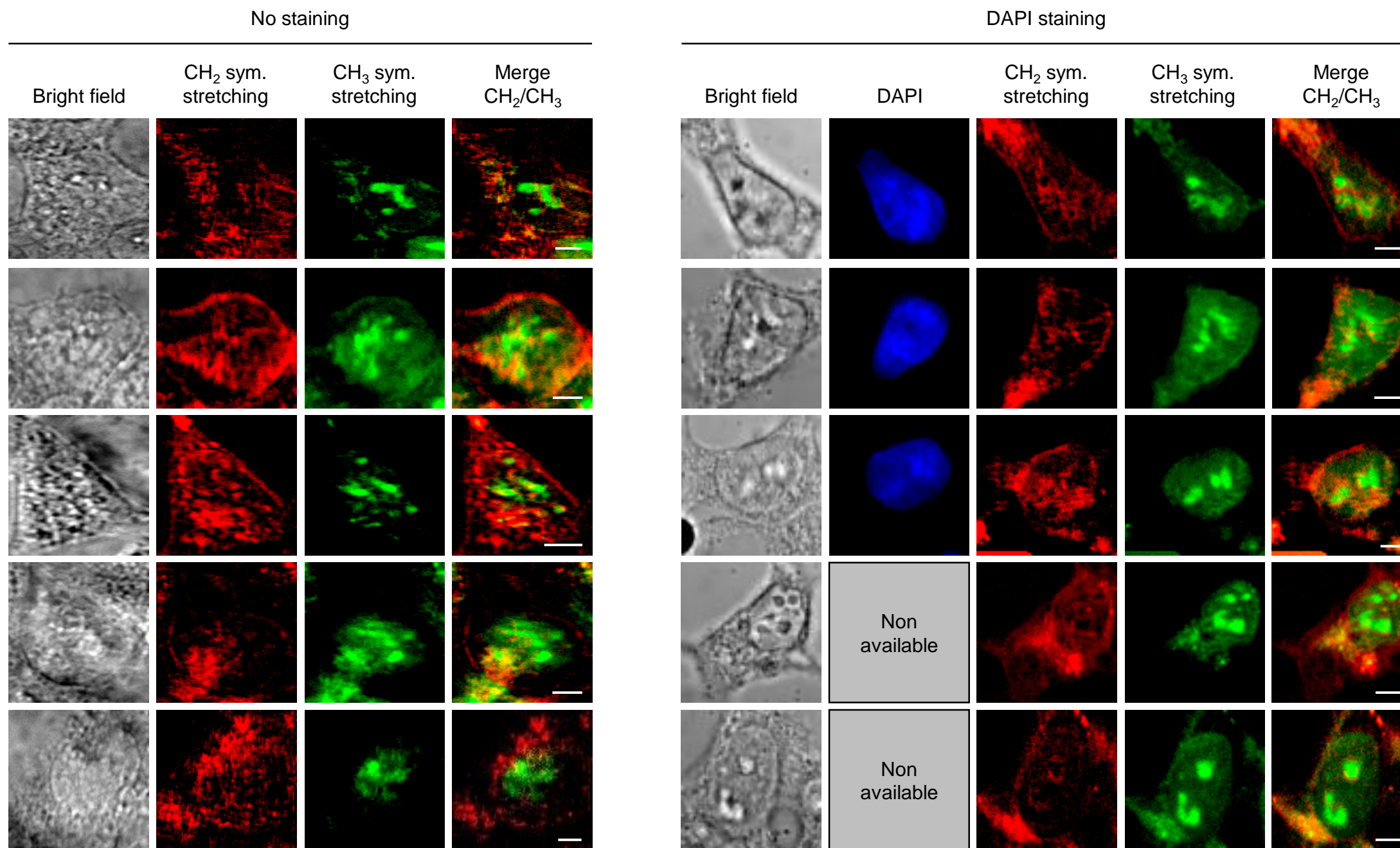
² XLIM, UMR 7252, University of Limoges, 123 avenue Albert Thomas, 87060 Limoges, France

³ Department of Applied Physics, Graduate School of Pure and Applied Sciences, University of Tsukuba,
1-1-1 Tennodai, Tsukuba, Ibaraki 305-8573, Japan

⁴ Institute of Applied Physics, University of Tsukuba, 1-1-1 Tennodai, Tsukuba, Ibaraki 305-8573, Japan

⁵ LEUKOS, 37 rue Henri Giffard, 87280 Limoges, France

Supplementary Fig. 1 Analysis of interphase, stained and unstained, fixed HEK293 cells. Bright-field, fluorescence and MCARS (CH_2 , CH_3 , merge) images of selected cells. MCARS images were reconstructed at 2850 cm^{-1} (CH_2 symmetric stretching) and 2930 cm^{-1} (CH_3 symmetric stretching). Scale bar, $5\text{ }\mu\text{m}$.



Supplementary Fig. 2 Analysis of mitotic, stained and unstained, fixed HEK293 cells. Bright-field, fluorescence and MCARS (CH_2 , CH_3 , merge) images of selected cells. MCARS images were reconstructed at 2850 cm^{-1} (CH_2 symmetric stretching) and 2930 cm^{-1} (CH_3 symmetric stretching). Scale bar, $5\text{ }\mu\text{m}$.

