# LIVE TOOLS FOR IMAGE ANALYSIS
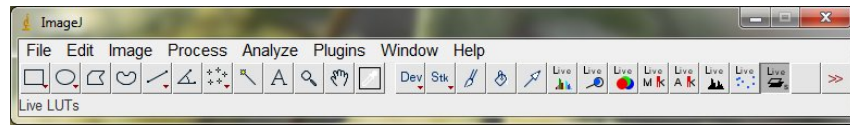
*Développé grâce à une bourse de mobilité courte durée du RT-MFM*

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Based on ImageJ[1] software, we offer a group of functions frequently used for image analysis with quick and intuitive access. The goal is to avoid the user getting lost in the various menus of the application to activate these commonly used features. We called them **Live Tools**. These functions are installed by adding Live_Tools.jar[2] to your plugins folder, then "Live on your images !"



## IJ LIVE TOOLS

**8** — A variable zoom factor magnifying lens

**7** — A live histogram on a sub region

**6** — Just drag the mouse to choose your threshold

**5** — Wheel mouse rotation change the upper or lower threshold

**1** — Wheel mouse rotation cycles through all lookup tables

**2** — Wheel mouse rotation extracts R, G, B or H, S, B layers

**3** — Wheel mouse rotation change the gaussian filter *sigma*

**4** — Moving a window on detected particles gives the density

Zoom

LUTs

Color splitter

Histogram

Background subtraction

Manual threshold

Auto threshold

Local Density

1. ImageJ: https://imagej.nih.gov/ij/
2. Live Tools download and source code: https://github.com/mutterer/LiveTools/

- intuitive user interaction
- double click tool icons for more functions