

CNRS, INSERM, Université Paris-Descartes

## PUBLICATIONS

**High-resolution mapping of bifurcations in nonlinear DNA circuits.** A.J. Genot, A. Baccouche, R. Sieskind, N. Aubert-Kato, N. Bredeche, J.F. Bartolo, V. Taly, T. Fujii, Y. Rondelez. *Nature Chemistry* (2016), 8(8):760-7. *Pubmed*.

**Parallelized ultra-high throughput microfluidic emulsifier for multiplex kinetic assays.** Lim, J., Caen, O., Vrignon, J., Konrad, M., Taly, V. and Baret, J-C.\* Co-first name for Lim, J. and Caen, O. *Biomicrofluidics* (2015), 9(3):034101. *Pubmed*.

**Microfluidics and Tumor DNA. Contribution of digital PCR** (technical review in French, french title: Microfluidique et ADN tumoral. Apport de la PCR digitale). Nizard, P., Krol, A., Laurent-Puig, P. and Taly, V. *Techniques de l'ingénieur* (2015). *In press*.

**CotA laccase: high-throughput manipulation and analysis of recombinant enzyme libraries expressed in E. coli using droplet-based microfluidics.** Beneyton, T., Coldren, F., Baret, J-C., Griffiths, A.D. and Taly, V.\* *Analyst* (2014), 139(13):3314-23. (Invited article for the themed issue on "Probe and Chip Approaches to Cell Analysis"). *Pubmed*.

**The Microfluidic Puzzle: Chip-oriented Rapid Prototyping.** Lim, J., Maes, F., Taly, V. and Baret, J-C. *Lab on Chip* (2014), 14 (10), 1669-1672. *Pubmed*.

**High-throughput formation and control of monodisperse liquid crystals droplets driven by an AC electric field in a microfluidic device.** Belloul, M., Bartolo, J-F., Ziraoui, B., Coldren, F., Taly, V. and El Abed, A.\* *Applied Physics Letters* (2013). *In press*.

**Real-time detection of Whispering Gallery Mode resonance in high-throughput flowing monodisperse microdroplets.** El Abed, A.I.\* and Taly, V. *Optical Materials* (2013). *In press*.

**Dynamics of molecular transport by surfactants in emulsions.** Skhiri, Y., Gruner, P., Semin, B., Brosseau, Q., Pekin, D., Mazutis, L., Goust, V., Kleinschmidt, F., El Harrak, A., Hutchison, J. B., Mayot, E., Bartolo, J-F., Griffiths, A.D. , Taly, V.\* and Baret, J-C.\*. *Soft Matter* (2012), 8: 10618-10627. *Journal Link*.