



Cédric Messaoudi **EQUIPE IMAGERIE CELLULAIRE ET TISSULAIRE**
Ingénieur de Recherche - Traitement et analyse d'images
cedric.messaoudi@curie.fr Tél : 01 69 86 71 51

Publications clés

Année de publication : 2018

Verguet A., Messaoudi C., Sorzano C.O.S., Marco S. (2018 Jan 1)

Alignment of Tilt Series

Cellular Imaging : 183-207 : [DOI : 10.1007/978-3-319-68997-5](https://doi.org/10.1007/978-3-319-68997-5)

Année de publication : 2017

Donati L., Nilchian M., Trepout S., Messaoudi C., Marco S., Unser M. (2017 Aug 1)

Compressed sensing for STEM tomography

ULTRAMICROSCOPY : 179 : 47-56 : [DOI : 10.1016/j.ultramic.2017.04.003](https://doi.org/10.1016/j.ultramic.2017.04.003)

Année de publication : 2016

Antoine Bergamaschi, Kadda Medjoubi, Cédric Messaoudi, Sergio Marco, Andrea Somogyi (2016 May 4)

MMX-I: data-processing software for multimodal X-ray imaging and tomography.

Journal of synchrotron radiation : 23 : 783-794 : [DOI : 10.1107/S1600577516003052](https://doi.org/10.1107/S1600577516003052)

Marcel Menezes Lyra da Cunha, Sylvain Trepout, Cédric Messaoudi, Ting-Di Wu, Richard Ortega, Jean-Luc Guerquin-Kern, Sergio Marco (2016 Feb 29)

Overview of chemical imaging methods to address biological questions.

Micron (Oxford, England : 1993) : 84 : 23-36 : [DOI : 10.1016/j.micron.2016.02.005](https://doi.org/10.1016/j.micron.2016.02.005)

Année de publication : 2015

Sylvain Trepout, Cédric Messaoudi, Sylvie Perrot, Philippe Bastin, Sergio Marco (2015 Jun 21)

Scanning transmission electron microscopy through-focal tilt-series on biological specimens.

Micron (Oxford, England : 1993) : 77 : 9-15 : DOI : [10.1016/j.micron.2015.05.015](https://doi.org/10.1016/j.micron.2015.05.015)

Année de publication : 2013

Cédric Messaoudi, Nicolas Aschman, Marcel Cunha, Tetsuo Oikawa, Carlos O Sanchez Sorzano, Sergio Marco (2013 Aug 28)

Three-dimensional chemical mapping by EFTEM-TomoJ including improvement of SNR by PCA and ART reconstruction of volume by noise suppression.

Microscopy and microanalysis : the official journal of Microscopy Society of America, Microbeam Analysis Society, Microscopical Society of Canada : 19 : 1669-1677 : DOI :

[10.1017/S1431927613013317](https://doi.org/10.1017/S1431927613013317)