

ANR Déconvolution d'Images Augmentées en Microscopie Optique N Dimensions

Deconvolution of Augmented Images in Multi-Dimensional Optical Microscopy

Participants :

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Objectives :

- exhaustive study (from signal to information) of two new optical 3D imagery techniques: **fluorescence and diffractive tomographic microscopy and temporal confocal macroscopy.**
- **development of more effective and user-friendly deconvolution strategies** for biological and medical research will markedly help **improving the quality of microscopic images** and their interpretation and therefore contribute to a **better understanding of the basic functions of living organisms.**

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