

Integrated EM programs

Movie alignment

- MotionCorr - Xmipp - Optical Flow

- Unblur/Summovie

- Xmipp - Correlation

Micrographs

CTF estimation

CTEFIND 3/4 - Xmipp - CTF - aCTF

R

CTFs Micrographs

Particle Picking

Coordinates

- Eman Boxer / Sparx Gauss - Xmipp - Picking

- Relion - Autopick - gEMpicker / Gautomatch Appion - DoG picker

2D Classification

2D Classes Particles

- Xmipp - CL2D/ML2D - Relion - 2D Classification - Spider MDA

- Xmipp - RANSAC/Significant - Xmipp - RCT

- Eman - Initial volume

- Simple - CryoEM

Initial Volume

Volume

- Relion - 3D Classification Frealign ML Classification

3D Classification 3D Classes Particles

3D Refinement

Refined Volume

- Relion - 3D Auto-refine

- Xmipp - Proj. Matching - Eman - Refine Easy

- Frealign

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