

Integrated M And RELION Pipeline in A Linux Environment

Zhihai Liu¹, Jinhong Wang¹, Hua Wang¹, Lin Mei¹

¹*Single Particle LLC*

zliu@singleparticle.com

Warp/M is a software package used in cryo-electron microscopy (cryo-EM) for data processing for the reconstruction of 3D structures from 2D electron micrographs. It is used with integration to other pipeline tools like cryoSPARC and RELION. Although most of cryo-EM data processing software runs on Linux systems, Warp/M is only for Windows and it makes it harder to use for many researchers.

We have ported the M program to Linux for better integration with RELION. This means that researchers can now use all of the tools they need for cryo-EM data processing on a single platform. We believe that our port will make it easier for researchers to use all available tools to get the highest resolution possible for the data.