



## Reading list, general information:

1. Dubochet, J., Adrian, M., Chang, J.-J., Homo, J.-C., Lepault, J., McDowell, A.W., and Schultz, P. (1988) Cryo-electron microscopy of vitrified specimens. *Quatr. Rev. Biophys.* 21, 129-228
2. Frank, J. (2006) Electron tomography: three-dimensional imaging with transmission electron microscope. Springer.
3. Frank, J. (2006) Three-dimensional electron microscopy of macromolecular assemblies. Oxford University Press.
4. Fuller, S.D., Butcher, S.J., Cheng, R.H., and Baker T.S. (1996) Three-dimensional reconstruction of icosahedral particles - The uncommon line. *J. Structural Biol.* 116, 48-55
5. Henderson, R. (1995). The potential and limitations of neutrons, electrons and X-rays for atomic resolution microscopy of unstained biological molecules. *Q. Rev. Biophys.* 28, 171-193.
6. Leschziner AE, Nogales E. (2007) Visualizing flexibility at molecular resolution: analysis of heterogeneity in single-particle electron microscopy reconstructions. *Annu Rev Biophys Biomol Struct.* 36, 43-62. Review.
7. Moody, M.F. (1990) Electron microscopy of biological macromolecules. In *Biophysical Electron Microscopy: Basic concepts and modern techniques* (P.W. Hawkes and U. Valdre, eds.) Academic Press, New-York.
8. Penczek, P. (1998). Measures of resolution using Fourier shell correlation. *J. Molec. Biol.* 280, 115-116.
9. Radermacher, M. (1994) Three-dimensional reconstruction from random projections: orientational alignment via Radon transforms. *Ultramicroscopy* 53, 121-136
10. Reimer, L. (1997) *Transmission electron microscopy - physics of image formation and microanalysis.* Springer-Verlag
11. van Heel M, Gowen B, Matadeen R, Orlova EV, Finn R, Pape T, Cohen D, Stark H, Schmidt R, Schatz M, Patwardhan A. (2000) Single-particle electron cryo-microscopy: towards atomic resolution. *Q. Rev. Biophys.* 33(4), 307-369