

Postdoctoral Opportunities

Postdoctoral research fellow positions are available from 1 August 2010 for the study of chromosome segregation and control of mitotic progression. This project will concern in the mitotic role(s) of the nucleocytoplasmic trafficking machinery, including the Ran GTPase and components of the interphase nuclear pore complex (nucleoporins). Ran and nucleoporins localize at mitotic kinetochores, where they have been implicated in the spindle assembly checkpoint and in assembly of spindle fibers that attach kinetochores to spindle poles. The project will utilize cell biological analysis in metazoan systems, particularly *Xenopus laevis* egg extracts and cultured mammalian cells, as well as biochemical analysis of protein functions.

Applications are invited from highly motivated scientists with extensive experience in biochemistry, cell biology and/or molecular biology. The LGRD/NICHD offers excellent training opportunities for postdoctoral fellows, with a highly interactive environment, state-of-the-art facilities and access to the diverse NIH scientific community. Candidates for this position must have a Ph.D. or M.D., with less than five years of postdoctoral experience. Interested individuals should send an application by email, including a cover letter with research interests, curriculum vitae, bibliography and the names and contact information of three references. Applications will be reviewed upon receipt, and selected candidates will be contacted for a personal interview. The appointment duration is up to 5 years. Stipends will be commensurate with education and experience. Please send application materials to:

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Selected Relevant Publications:

Mukhopadhyay, D. et al. (2010). *J. Cell Biology* (in press).
Mishra, R.K., et al. (2010). *Nature Cell Biology* 12: 164-9.
Chakraborty, P., et al. (2009). *EMBO Rep.* 10: 1154-1160.
Joseph, J. and Dasso, M. (2008). *FEBS Letters* 582: 190-6.
Orjalo, A., et al. (2006). *Mol. Biol. Cell* 17: 3806-18.
Arnautov, A. and Dasso, M. (2005). *Cell Cycle* 4: 1161-5.
Arnautov, A., et al. (2005). *Nature Cell Biol.* 7: 626 - 632.

