

Post-doctoral position in cytoskeleton organization by electron microscopy

Curie Institute, UMR 168, Physico-Chimie Curie, Paris, France

Ultrastructure of septins by cryo-Electron microscopy and cryo-tomography

A 24 months post-doctoral position is available under the supervision of Dr. Aurelie Bertin at the Department of Physico-Chemistry of the Institut Curie. The project focuses on the structural architecture of septins, the 4th element of the cytoskeleton, and their dynamical organization during the cytokinesis. We aim at deciphering the organization of septins mostly by cryo-tomography and correlative microscopy.

Applicants are expected to have a training and research experience in electron microscopy, biophysic or/and structural biology, and express a strong interest in working at the interface between these disciplines. A former experience in cryo-electron microscopy and/or image processing (single particle, tomography) is favorable. The position is funded by the National Research Agency (ANR, France).

For further information, please visit our website: <http://umr168.curie.fr/en/Levy-group>

Interested candidates should contact Dr. Aurelie Bertin at aurelie.bertin@curie.fr and send curriculum vitae, including past research experience and publication records, as well as contact details for two or three references and recommendation letters.

Received applications will be reviewed immediately. Position to start during the calendar year.

References:

1. Mavrakakis, M., Azou-Gros, Y., Tsai, F. C., Alvarado, J., Bertin, A., Iv, F., Kress, A., Brasselet, S., Koenderink, G. H., and Lecuit, T. (2014) *Nat Cell Biol* **16**, 322-334
2. Bertin, A., McMurray, M. A., Pierson, J., Thai, L., McDonald, K. L., Zehr, E. A., Garcia, G., 3rd, Peters, P., Thorner, J., and Nogales, E. (2012) *Mol Biol Cell* **23**, 423-432
3. McMurray, M. A., Bertin, A., Garcia, G., 3rd, Lam, L., Nogales, E., and Thorner, J. (2011) *Dev Cell* **20**, 540-549
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5. Bertin, A., McMurray, M. A., Grob, P., Park, S. S., Garcia, G., 3rd, Patanwala, I., Ng, H. L., Alber, T., Thorner, J., and Nogales, E. (2008) *Proc Natl Acad Sci U S A* **105**, 8274-8279

