

### **Postdoctoral researcher position available in the Lammerding Lab**

A postdoctoral researcher position is available in the Lammerding laboratory to investigate how migration through confined spaces, for example in the context of cancer metastasis or immune cell infiltration, can modulate chromatin organization, gene expression, and promote genomic instability. The research builds on recent discoveries in the Lammerding lab that found that physical stress during confined migration can result in nuclear envelope rupture, DNA damage, and chromatin modification (see for example: Denais et al. *Science* 2016; Bakhoum et al. *Nature* 2018). We are interested in assessing the effect of confined migration in both tumor and normal cells, including immune cells. Additional research opportunities are available to investigate how cell metabolism modulates the migratory ability of cells.

All of the research projects combine fluorescent reporters, live cell microscopy and microfabricated devices that mimic physiological environments with cell and molecular biology approaches to characterize changes in chromatin modifications, organization, and gene expression.

The Lammerding laboratory is part of the Weill Institute of Cell and Molecular Biology and the Meinig School of Biomedical Engineering at Cornell University. The postdoctoral fellow will work in a highly collaborative and interdisciplinary environment and enjoy access to a wide variety of advanced instrumentation and expertise. Additional details on the research in the Lammerding laboratory can be found at <http://lammerding.wicmb.cornell.edu/>.

#### Qualifications:

- Ph.D. in cell or molecular biology, biochemistry, or biomedical engineering
- Experience in cancer cell biology and/or genomic instability and chromatin modifications is desired and a considerable plus.
- Previous experience working with mammalian cells is required.
- Proficiency in English and a successful record of publications is required.
- Experience with microscopic imaging is preferred but not a requirement.

#### Application:

Applications should be directed to Dr. Jan Lammerding at [jan.lammerding@cornell.edu](mailto:jan.lammerding@cornell.edu)

Please include the following materials:

- Research statement, including a brief summary of previous research experiences, along with motivation and specific fit for the above project(s). Suggested length: 1-3 pages
- Curriculum vitae
- Names and contact information for a minimum of three references

#### **EEO Statement:**

Diversity and Inclusion are a part of our heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans and Individuals with Disabilities. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations.