

Post-doctoral fellow Position - Dr. John Condeelis, NYC

A post-doctoral position is available in the Gruss Lipper Biophotonics Center and its Integrated Imaging Program under the supervision of Professor John Condeelis at the Einstein College of Medicine / Montefiore Medical Center, NYC. Starting salary is competitive and depends on experience at time of arrival.

The postdoc will work in the Gruss Lipper Biophotonics Center and its Integrated Imaging Program as part of a multidisciplinary team of physicists, cell and cancer biologists, and physician scientists to study cellular phenotypes promoting cancer metastasis at all sites and stages of cancer progression. Translational applications of basic research by our team is a major goal. Several prognostic markers and drug companion diagnostics have been developed by our team that are clinically validated and in use in clinical trials and treatment of cancer patients.

The postdoc will use state of the art intravital microscopy in live animals with tumors to investigate the molecular mechanisms of cell migration, invasion, tumor cell-stromal cell interactions, intravasation, extravasation, and seeding of metastatic sites, all in vivo and at subcellular resolution.

Tools available include advanced optical imaging designs, imaging windows, in vivo optically controlled micro-fluidic devices, biosensors, optogenetics and mouse models of cancer.

Applicants should either already have, or should be about to have, successfully completed a PhD in a field relevant to cell invasion/migration and metastasis of cancer, published primary research papers on these topics and have skills in basic digital microscopy, cell and molecular biology, and mouse models of disease. All other training will be done by our team.

Applicants should email:

John Condeelis

Judith & Burton P. Resnick Chair in Translational Research Professor and Co-Chair, Anatomy and Structural Biology Co-Director, Gruss Lipper Biophotonics Center Co-Director, Integrated Imaging Program Scientific Director, Analytical Imaging Facility Director, Tumor Microenvironment and Metastasis Program Albert Einstein Cancer Center

<http://www.einstein.yu.edu/labs/john-condeelis>

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and

David Entenberg

Director of Technological Development

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Cancer Biologist Post Doc AD