

Postdoctoral Fellow, Division of Cancer Biology, MetroHealth Medical Center: Cleveland, OH, United States

Postdoctoral Scholar positions in Cancer microenvironment and metastasis are available in Dr. Sossey-Alaoui's laboratory at the Division of Cancer Biology, MetroHealth Medical Center, and Case Western Reserve University School of Medicine, Cleveland, Ohio, USA. Our research focuses on the basic molecular mechanisms underlying cancer invasion and metastasis as well as interactions within the tumor microenvironment in major solid tumor cancers, with a focus on breast, prostate and brain cancers. Highly motivated cancer biologists with Ph.D., M.D., or both degrees, and proven record of research creativity and productivity are welcome to apply. Working experience using transgenic/knockout and xenograft mouse models, cell signaling and basic molecular biology techniques is valuable; familiarity with CRISPR/Cas9, cancer stem cells, bioinformatics, or drug discovery is a plus. Competitive salary and generous benefit package will be provided for qualified candidates. Case Western Reserve University is an equal opportunity employer.

Several positions are immediately available. Interested candidates should send their CV, and contact information for three references to Dr. Sossey-Alaoui at Kxs586@case.edu; or ksosseyalaoui@metrohealth.org.

Please refer to the most recent publications for details:

Taylor MA, Davuluri G, Parvani JG, Schiemann BJ, Wendt MK, Plow EF, Schiemann WP, Sossey-Alaoui K. Upregulated **WAVE3** expression is essential for TGF- β -mediated EMT and metastasis of triple-negative breast cancer cells. *Breast Cancer Res Treat*. 2013 Nov;142(2):341-53.

Sossey-Alaoui K, Pluskota E, Davuluri R, Bialkowska K, Das M, Szpak D, Lindner DJ, Downs-Kelly E, Thompson, CL, Plow, EF. **Kindlin-3** enhances breast cancer progression and metastasis by activating Twist-mediated angiogenesis. *FASEB J*. 2014. 28(5):2260-71.

Davuluri G, Schiemann WP, Plow EF, Sossey-Alaoui K. Loss of **WAVE3** sensitizes triple-negative breast cancers to chemotherapeutics by inhibiting the STAT-HIF-1 α -mediated angiogenesis. *JAKSTAT*. 2015 Feb 3;3(4):e1009276.

Sossey-Alaoui K, Pluskota E, Bialkowska K, Szpak D, Parker Y, Morrison C, Lindner DJ, Schiemann WP, Plow EF. **Kindlin-2** regulates the growth of breast cancer tumors by activating CSF-1-mediated macrophage infiltration. *Cancer Res*. 2017 Sep 15;77(18):5129-5141.

Bledzka K, Schiemann B, Schiemann WP, Fox P, Plow EF, Sossey-Alaoui K. The **WAVE3-YB1** interaction regulates cancer stem cells activity in breast cancer. *Oncotarget*. 2017 Oct 24;8(61):104072-104089.