



EMORY
UNIVERSITY

Emory Integrated Core Facilities

December 4, 2019

We are pleased to announce two leadership appointments in the Emory Integrated Genomics Core (EIGC): Lyra Griffiths, PhD as core director and Christopher Scharer, PhD as scientific director for Epigenetics services. As one of the Emory Integrated Core Facilities, the Emory Integrated Genomics Core is jointly supported by Winship Cancer Institute of Emory University and the Emory School of Medicine. The core is located on the 7th floor of the Woodruff Memorial Research Building and is a full-service genomics core that provides numerous cutting-edge genomics services in a CLIA environment, including nucleic acid extraction, quality assessment, microarray, Illumina-based sequencing, and other services.



EMORY
UNIVERSITY

Emory Integrated Genomics Core

Emory Integrated Core Facilities

Dr. Griffiths received her PhD from Emory and has returned to Emory after nine years at St. Jude Children's Research Hospital. She began serving as core director in March, assisting investigators in planning and implementing genomics services in support of their research goals. Dr. Scharer, assistant professor in Emory's Department of Microbiology and Immunology, manages the epigenetics projects performed through EIGC.

The EIGC has recently launched two new groups of genomics services: epigenetics services under the direction of Dr. Scharer and single cell sequencing services under the direction of Dr. Griffiths. Included in the new epigenetics services are low-input RNAseq, ATACseq, and reduced representation bisulfite sequencing. These methods can allow an investigator to understand the genetic and epigenetic mechanisms that regulate gene expression in their cells. EIGC also offers single cell sequencing services and has two platforms by which to study cells at a single cell level: the 10X Chromium Controller system and the 1CellBio InDrop system. Single cell sequencing services provided by the core include single cell RNAseq, single cell ATACseq, and single cell VDJ immune profiling. These methods allow an investigator to identify specific cell types within a population of cells and investigate gene expression or epigenetic landscape of individual cells.

The mission of the Emory Integrated Core Facilities is to be a force multiplier for investigators at Emory. "We are very lucky to have two outstanding leaders join the EIGC. Dr. Griffiths brings a depth of experience in cancer genomics to her new position at Emory University. Dr. Scharer's expertise in epigenetics is clearly demonstrated by his high-profile publications in this area," said Michael E. Zwick, PhD, associate vice president for research in the Robert W. Woodruff Health Sciences Center and associate dean of research in the Emory School of Medicine.

"We are excited about the continued development of EIGC and recruitment of these leaders to the shared resource. This will expand the services and support that EIGC can provide to Emory and Winship faculty, trainees, and researchers," said Adam Marcus, PhD, Winship's associate director for basic research and shared resources.

For more information about services offered by the Emory Integrated Genomics Core, visit the core website at www.cores.emory.edu/eigc/ or email the team at EIGC@Emory.edu.

[Emory Integrated Core Facilities](http://www.cores.emory.edu/eigc/)
100 Woodruff Circle, Suite 459
Atlanta, Georgia 30322