**Assay Development and Drug Repurposing Core (ADDRC).** This Michigan State University core facility, established in 2014 by Dr. Richard Neubig, provides a high throughput assay development infrastructure and a collection of ~35,000 compounds (Prestwick, MicroSource, LOPAC, NCI collections, GSK kinase inhibitor library, MSU chemistry department, Maybridge diversity library). The Core Manager, Dr. Thomas Dexheimer previously at the NIH high throughput screening (HTS) center (NCATS), provides technical expertise in assay development and HTS screening. ADDRC equipment includes a dual arm Biomek FX liquid handling robot with 96-well, span-8, and 384-well pintool liquid handling system. Also, a BioTek MultiFlo 96/384-well dispenser and an EL406 combination washer dispenser are available. Detection platforms include: a BioTek Synergy Neo multifunction plate reader, a BioTek Cytation 3 high throughput microscope for high-content screening applications, and a Hamamatsu Cell kinetic plate reader.