

UC SAN DIEGO CORES

UCSD Transgenic Mouse and Embryonic Stem Cell Core

<http://healthsciences.ucsd.edu/research/moores/shared-resources/transgenic-core/Pages/default.aspx>

A state-of-the-art, highly experienced, production Core that creates transgenic, knock-out, and CRISPR genetically modified mice at reasonable cost with very quick lead times.

IGM Genomics Center

<http://igm.ucsd.edu/genomics/>

The IGM Genomics Center offers a full range of genomics technologies, including Illumina (MiSeq, HiSeq) and Pacific Biosciences sequencing and Illumina bead arrays (HiScan).

Center for Computational Biology & Bioinformatics

compbio.ucsd.edu

Contact information can be found here: <http://healthsciences.ucsd.edu/som/medicine/divisions/med-genetics/core-services/ccbb/about/Pages/contact.aspx>

CCBB provides investigators with bioinformatics expertise, pipeline analysis, statistical analysis, and training to manage and analyze large molecular datasets.

UCSD Biochemical Genetics and Metabolomics Laboratory:

Our web site link is either <http://biochemgen.ucsd.edu> or <http://ucsdbglab.org>

Metabolic testing for researchers and patients. Metabolomic determinations (organic/ amino acid, acylcarnitines, purines, pyrimidines short chain fatty acids, some carbohydrates, targeted/ untargeted. Enzyme assays: HPRT/APRT/carboxylases.

Integrative Health and Mind-Body Biomarker Laboratory

<http://fmph.ucsd.edu/biomarkercore/index.html>

The UC San Diego Integrative Health and Mind-Body Biomarker Laboratory is to facilitate biomarker investigations for research in integrative medicine, behavioral medicine, and brain-body connections, as well as more traditional biomedical research.

VA/VMRF Microarray & NGS Core

<http://www.vmr.org/researchcenters/microarray-ngs/microarray-ngs.html>

The core offers 454 pyrosequencing, target enrichment, and library preparation. We also offer microarrays from Affymetrix, Illumina, and Agilent as well as RNA QC.

Center for Functional MRI Website:

<http://fmri.ucsd.edu/>

The UCSD Center for Functional MRI offers anatomical and functional magnetic resonance capabilities and associated services for human and animal research subjects.

Skaggs NMR Facility

<http://sopnmr.ucsd.edu>.

We operate two 600MHz spectrometers fitted with either a 1.7mm cryoprobe (for nanomolar quantities) or a 5mm cryoprobe and sample changer (for biomolecules and screening).

Behavioral Testing Core

<http://neurosciences.ucsd.edu/research/behavioral-core/Pages/default.aspx>

The Behavioral Testing Core offers a large array of well-validated neurobehavioral tools for phenotypic assessment of rodent models and screening and profiling of experimental therapeutics.

IT Facility

<https://confluence.crbs.ucsd.edu/display/SOM/CRBS+Recharge+IT+Services>

Administrative Contact: Vicky Rowley, vrowley@ucsd.edu

Provides Information Technology (IT) Services related to large-scale data storage, virtual machine (VM) hosting, high throughput networking and consultation services related to computational science and research applications.

Lab for Neurocytology

<http://ncmir.ucsd.edu/research/RechargeRates.shtm>

Administrative Contact: Nora Makhsudova, nmakhsud@ucsd.edu

Provides access to imaging instruments, including light and electron microscopy platforms, and 3D X-ray microscopy. The facility offers support for specimen-preparation, as well as access to hands-on training with experts.

San Diego Supercomputer

http://www.sdsc.edu/collaborate/industry_and_sponsors.html

Description: The San Diego Supercomputer Center provides high performance computing, storage, and consulting services for bioinformatics and other life sciences-related research.

Transmission Electron Microscopy

<http://emcore.ucsd.edu/TEM.html>

Transmission Electron Microscopy facility, serving most common TEM needs: ultrathin sectioning of tissues and cells, immuno-gold labeling, negative staining (viruses, vesicles) and nanoparticle imaging.

Nano3

<http://nano3.calit2.net/>

Nano3 offers access to equipment, training, and services for fabrication and characterization of micro/nanoscale devices, including microfluidics, in a state-of-the-art cleanroom and supporting laboratories.

UCSD Murine Hematology and Coagulation Core Laboratory

<http://mousepheno.ucsd.edu/hematology.shtm>

This core provides hematology, chemistry and coagulation analyses from experimental animals. Consultation is provided by the Core Director who is a Board Certified Pathologist.

UCSD Glycotechnology Core Resource

<http://glycotech.ucsd.edu/>

This facility is highly experienced in providing analysis of glycans and is equipped with latest instruments needed for glycan analysis.