

**Georgia Core Facilities Partnership**

**Member Appendices**

**Updated: January 14, 2020**

## Appendix A: Augusta University Research Core Facilities

List updated October 22, 2019

### **For Information about Core Facilities at Augusta University:**

<https://www.augusta.edu/research/explore/core/>

Cell Imaging Core

<https://www.augusta.edu/mcg/cba/cic/>

Chemical and Biomolecular Analysis Facility

<https://www.augusta.edu/research/explore/core/cbaf/index.php>

Electron Microscopy and Histology Core

<https://www.augusta.edu/mcg/cba/emhisto/>

GCC Flow Cytometry Shared Resource:

<https://www.augusta.edu/cancer/research/shared-resources/flow/index.php>

GCC Integrated Genomics Shared Resource

<https://www.augusta.edu/cancer/research/shared-resources/genomics/index.php>

GCC Immune Monitoring Shared Resource: <https://www.augusta.edu/cancer/research/shared-resources/immune-monitoring/index.php>

GCC Proteomics Metabolomics Shared Resource: <https://www.augusta.edu/cancer/research/shared-resources/proteomics/index.php>

GCC Bioinformatics Shared Resource: <https://www.augusta.edu/cancer/research/shared-resources/bioinformatics/index.php>

GCC Small Animal Imaging Shared Resource: <https://www.augusta.edu/cancer/research/shared-resources/smallanimal/index.php>

GCC Biorepository

<https://www.augusta.edu/cancer/research/sharedresources/biorepository/index.php>

Georgia Esoteric and Molecular Laboratory, LLC at Augusta University

<https://www.augusta.edu/mcg/pathology/gem-lab.php>

Genomics Laboratory

<https://www.augusta.edu/research/explore/core/mbgcf/index.php>

Proteomics Laboratory

<https://www.augusta.edu/research/explore/core/pmscf/index.php>

## **Appendix A: Augusta University Research Core Facilities**

**List updated October 22, 2019**

Small Animal Behavior Core

<https://www.augusta.edu/research/explore/core/sabc/index.php>

**For Direct Access to Request or Book Core Facilities:**

<https://Augusta.corefacilities.org>

## **Appendix B: Clark Atlanta University Research Core Facilities**

**List updated October 19, 2018**

### **For Information about Core Facilities at Clark Atlanta University**

Contact Lisa Wilson, PhD, Associate Vice President for Research and Sponsored Programs

<http://www.cau.edu/research-sponsored-programs/>

### **Core Facilities at Clark Atlanta University**

CAU's Core Research Facility, the Nuclear Magnetic Center (NMR) and the Secondary Ion Mass Spectrometry Center are available to GRA members

#### **Nuclear Magnetic Resonance (NMR) Center:**

Instrument: A Bruker AVANCE-III 500 MHz superconducting magnet-based instrument provides state of-the-art NMR, both solid state and solution NMR facilities and includes multi-nuclear and multi pulse experiments.

Instrument: Bruker AVANCE 400 MHz superconducting magnet-based instrument provides state of-the-art NMR facilities and includes multi-nuclear and multi pulse experiments.

Instrument: Bruker Dimension FastScan AFM (Atomic Force Microscope)

#### **Secondary Ion Mass Spectrometry Facility:**

Instrument: Hiden Analytical SIMS Plus Workstation

The instrument is an electrostatic quadrupole-based analysis system equipped with cesium and oxygen primary beam sources, charge compensation, and a liquid nitrogen cold trap. This system is a user-friendly, semi-automated, turbo-pumped tool designed for fast sample turnaround. It has enhanced capabilities to handle a variety of materials. It is provisioned for depth profiling, imaging of chemical distributions, stoichiometry, 3-D chemical mapping, diffusion and dopant analysis, and isotopic analysis. The techniques supported are dynamic SIMS, static-SIMS, and SNMS.

## **Appendix C: Emory University Research Core Facilities**

**Updated: January 14, 2020**

### **For Information about Core Facilities at Emory University:**

Emory Integrated Core Facilities (EICF)

[www.cores.emory.edu](http://www.cores.emory.edu)

### **Emory Integrated Core Facilities**

Center for Systems Imaging Core (CSIC)

[www.cores.emory.edu/csic/](http://www.cores.emory.edu/csic/)

Emory Comprehensive Glycomics Core (ECGC)

[www.cores.emory.edu/ecgc/](http://www.cores.emory.edu/ecgc/)

Emory Flow Cytometry Core (EFCC)

[www.cores.emory.edu/fcc/](http://www.cores.emory.edu/fcc/)

Emory Gnotobiotic Animal Core (EGAC)

[www.cores.emory.edu/egac/](http://www.cores.emory.edu/egac/)

Emory Integrated Computational Core (EICC)

[www.cores.emory.edu/eicc/](http://www.cores.emory.edu/eicc/)

Emory Integrated Genomics Core (EIGC)

[www.cores.emory.edu/eigc/](http://www.cores.emory.edu/eigc/)

Emory Integrated Lipidomics Core (EILC)

[www.cores.emory.edu/eilc/](http://www.cores.emory.edu/eilc/)

Emory Integrated Proteomics Core (EIPC)

[www.cores.emory.edu/eipc/](http://www.cores.emory.edu/eipc/)

Emory Multiplex Immunoassay Core (EMIC)

[www.cores.emory.edu/emic/](http://www.cores.emory.edu/emic/)

Emory Personalized Immunotherapy Core (EPIC)

[www.cores.emory.edu/epic/](http://www.cores.emory.edu/epic/)

Emory Stem Cell Core (ESCC)

[www.cores.emory.edu/escc/](http://www.cores.emory.edu/escc/)

Integrated Cellular Imaging Core (ICIC)

[www.cores.emory.edu/ici/](http://www.cores.emory.edu/ici/)

Mouse Transgenic and Gene Targeting Core (TMF)

[www.cores.emory.edu/tmf/](http://www.cores.emory.edu/tmf/)

Robert P. Apkarian Integrated Electron Microscopy Core (IEMC)

[www.cores.emory.edu/iemc/](http://www.cores.emory.edu/iemc/)

Rodent Behavioral Core (RBC)

[www.cores.emory.edu/rbc/](http://www.cores.emory.edu/rbc/)

#### **School of Medicine Departmental Core Facilities**

HPLC Bioanalytical Core (HPLC)

<https://www.cores.emory.edu/hplc/>

Translational Neuroscience Core (TNC)

<https://www.cores.emory.edu/tnc/>

Investigational Drug Service (IDS)

<https://www.cores.emory.edu/ids/>

Investigational Clinical Microbiology Core (ICMC)

[www.cores.emory.edu/icmc/](http://www.cores.emory.edu/icmc/)

## **Shared Resources at Winship Cancer Institute**

Cancer Animal Models

[winshipcancer.emory.edu/research/shared-resources/cancer-animal-models.html?nd=698](http://winshipcancer.emory.edu/research/shared-resources/cancer-animal-models.html?nd=698)

Cancer Tissue and Pathology

[winshipcancer.emory.edu/research/shared-resources/cancer-tissue-pathology.html?nd=686](http://winshipcancer.emory.edu/research/shared-resources/cancer-tissue-pathology.html?nd=686)

Emory Integrated Genomics

[winshipcancer.emory.edu/research/shared-resources/emory-integrated-genomics.html](http://winshipcancer.emory.edu/research/shared-resources/emory-integrated-genomics.html)

Emory Integrated Proteomics

[winshipcancer.emory.edu/research/shared-resources/emory-integrated-proteomics.html](http://winshipcancer.emory.edu/research/shared-resources/emory-integrated-proteomics.html)

Integrated Cellular Imaging

[winshipcancer.emory.edu/research/shared-resources/integrated-cellular-imaging.html](http://winshipcancer.emory.edu/research/shared-resources/integrated-cellular-imaging.html)

Winship Immune Monitoring

[winshipcancer.emory.edu/research/shared-resources/immune-monitoring.html](http://winshipcancer.emory.edu/research/shared-resources/immune-monitoring.html)

Intervention Development, Dissemination, and Implementation

[winshipcancer.emory.edu/research/shared-resources/intervention-development-dissemination-implementation.html](http://winshipcancer.emory.edu/research/shared-resources/intervention-development-dissemination-implementation.html)

Winship Research Informatics

[winshipcancer.emory.edu/research/shared-resources/winship-research-informatics.html](http://winshipcancer.emory.edu/research/shared-resources/winship-research-informatics.html)

## **Pediatric Research Cores**

Animal Physiology Core

<http://www.pedsresearch.org/cores/detail/animal-physiology>

Biomarkers Core

<http://www.pedsresearch.org/cores/detail/biomarkers>

Pediatrics and Winship Flow Cytometry Core

<http://www.pedsresearch.org/cores/detail/flow-cytometry>

## **Emory College of Arts and Sciences**

X-ray Crystallography Center

<http://xray.chemistry.emory.edu/>

Mass Spectrometry Center

<http://chemistry.emory.edu/msc/>

NMR Research Center

<http://www.emory.edu/NMR/>



## **Appendix D: Mercer University Research Core Facilities**

**List updated October 19, 2018**

### **For Information about Core Facilities at the Mercer University**

See: [research.mercer.edu](http://research.mercer.edu) for information regarding specific core facilities

### **Mercer University Core Facilities**

Center for Drug Design/Molecular Modeling Core

College of Pharmacy – Atlanta campus

Flow Cytometry Core

School of Medicine – Macon and Savannah campuses

Confocal Microscopy Core

School of Medicine – Macon and Savannah campuses

Electron Microscopy Core

School of Medicine – Savannah campus

Immunohistochemistry Core

School of Medicine – Savannah campus

Cancer Tissue and Pathology Core

School of Medicine – Savannah campus

## Appendix F: Georgia Institute of Technology Research Core Facilities

List updated on January 8, 2020

### **For Information about Petit Institute Core Facilities at Georgia Tech**

<https://petitinstitute.gatech.edu/research/core-facilities>

### **Petit Institute Core Facilities**

Biomechanics Core

<https://petitinstitute.gatech.edu/research/biomechanics-core>

Biomolecular Analysis Core

<https://petitinstitute.gatech.edu/research/biomolecular-analysis-core>

Biopolymer Characterization Core

<https://petitinstitute.gatech.edu/research/biopolymer-core>

Cellular Analysis and Cytometry Core

<https://petitinstitute.gatech.edu/research/cellular-analysis-and-cytometry-core>

Genome Analysis Core

<https://petitinstitute.gatech.edu/research/genome-analysis>

High Throughput DNA Sequencing Core

<https://petitinstitute.gatech.edu/high-throughput-dna-sequencing-core>

Histology Core

<https://petitinstitute.gatech.edu/research/histology-core>

Microcomputed Tomography Core

<https://petitinstitute.gatech.edu/microcomputed-tomography-core>

Molecular Evolution Core

<https://petitinstitute.gatech.edu/research/molecular-evolution-core>

Neuro Design Suite

<https://petitinstitute.gatech.edu/research/neuroscience-core>

Optical Microscopy Core

<https://petitinstitute.gatech.edu/research/optical-microscopy-core>

Systems Mass Spectrometry Core

<https://petitoinstitute.gatech.edu/research/systems-mass-spectrometry-core>

For invoicing and accounting related matters, please contact Angela Barros  
[angela.barros@ibb.gatech.edu](mailto:angela.barros@ibb.gatech.edu)

**Nuclear Magnetic Resonance (NMR) Center**

<https://www.chemistry.gatech.edu/organization/nmr>

For invoicing and accounting related matters, please contact Barbara Threewitt  
[barbara.threewitt@chemistry.gatech.edu](mailto:barbara.threewitt@chemistry.gatech.edu)

**Center for Advanced Brain Imaging**

<http://www.cabiatl.com/CABI/>

For invoicing and accounting related matters, please contact Nytavia Wallace  
[nwallace@gatech.edu](mailto:nwallace@gatech.edu)

**Technology Enterprise Park Core Facilities**

<https://www.bme.gatech.edu/bme/technology-enterprise-park>

For invoicing and accounting related matters, please contact [tep@bme.gatech.edu](mailto:tep@bme.gatech.edu)

## Appendix E: Morehouse School of Medicine Research Core Facilities

List updated October 19, 2018

### For Information about Core Facilities at the Morehouse School of Medicine

[http://www.msm.edu/Research/research\\_centersandinstitutes/RCMI/index.php](http://www.msm.edu/Research/research_centersandinstitutes/RCMI/index.php)

### Morehouse School of Medicine Core Facilities

Analytical Chemistry /Proteomics

[http://www.msm.edu/Research/ResearchFacilities/clinicalCore\\_facilities/analyticProteinLab.php](http://www.msm.edu/Research/ResearchFacilities/clinicalCore_facilities/analyticProteinLab.php)

Biomedical Technology Service Laboratory (BTSL)

<http://www.msm.edu/Research/ResearchFacilities/BiomedicalTechnologyServiceLaboratory.php>

Confocal Image Analysis Lab

[http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI\\_Image\\_Analysis\\_Lab.pdf](http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI_Image_Analysis_Lab.pdf)

Electron Microscopy Lab

[http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI\\_Electron\\_Lab.pdf](http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI_Electron_Lab.pdf)

Flow Cytometry and Cell Sorting Lab (BTSL)

[http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI\\_Flow\\_and\\_Cell\\_Lab.pdf](http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI_Flow_and_Cell_Lab.pdf)

Functional Genomics (Gene Profiling Core Facility)

<http://www.msm.edu/Research/ResearchFacilities/GeneProfilingCore.php>

Microvesicle Lab

[http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI\\_Microvesicle\\_Lab.pdf](http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI_Microvesicle_Lab.pdf)

Molecular Histology Lab

[http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI\\_Molecular\\_Lab.pdf](http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI_Molecular_Lab.pdf)

Zebrafish Lab

[http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI\\_Zebrafish\\_Lab.pdf](http://www.msm.edu/Research/ResearchFacilities/ResearchDocuments/RCMI_Zebrafish_Lab.pdf)

## **Appendix G: Georgia State University Research Core Facilities**

**List updated October 16, 2019**

### **For Information about Core Facilities at Georgia State University**

<https://research.gsu.edu/research-facilities/>

### **Core Facilities at Georgia State University**

Cell, Protein, RNA/DNA Core

[http://biotech.gsu.edu/core\\_facility/index.html](http://biotech.gsu.edu/core_facility/index.html)

Imaging Core

[\(new website link forthcoming\)](#)

Mass Spectrometry Core

<http://chemistry.gsu.edu/facilities/-mass-spectrometry>

Neuroscience Core (behavioral studies)

<http://sites.gsu.edu/neuroscience-core/>

NMR Facility

<http://sites.gsu.edu/zdu/>

Center for Advanced Brain Imaging (CABI)

<http://www.cabi.gatech.edu/CABI/>

Transgenic and Gene Targeting Core

<http://transgenic.gsu.edu/>

CHARA Array

<http://www.chara.gsu.edu/>

## Appendix H: University of Georgia Research Core Facilities

Updated: October 18, 2019

### **For information about Core Facilities at the University of Georgia**

<https://research.uga.edu/core-facilities/>

### **University of Georgia Core Facilities**

Animal Health Research Center

<https://vet.uga.edu/ahrc>

Bioexpression & Fermentation Facility

<http://bff.uga.edu/>

Bioimaging Research Center

<https://birc.uga.edu/>

Biomedical Microscopy Core

<https://bmc.uga.edu/>

Clinical and Translational Research Unit

<https://ctr.uga.edu/>

Complex Carbohydrate Research Center (CCRC) Analytical Services

<https://ast.uga.edu/>

Center for Applied Isotope Studies

<http://cais.uga.edu/>

Comparative Pathology Laboratory

<https://vet.uga.edu/pathology/service-lab/comparative-pathology-laboratory>

Cytometry Shared Resource Laboratory

<https://ctegdcytometry.uga.edu/>

Georgia Advanced Computing Resource Center

<https://gacrc.uga.edu/>

Georgia Electron Microscopy

<https://gem.uga.edu/>

Georgia Genomics & Bioinformatics Core

<http://dna.uga.edu/>

Instrument Design & Fabrication Shop

<https://research.uga.edu/ids/>

Integrated Bioscience and Nanotechnology Cleanroom

<https://cleanroom.uga.edu/>

Proteomics and Mass Spectrometry Core Facility

<https://pams.uga.edu/>

Scientific Glass Blowing Shop

<https://research.uga.edu/glass/>

Statistical Consulting Center

<http://www.stat.uga.edu/consulting>

Center for Drug Discovery

<https://cdd.uga.edu>