

## Who We Are

Delaware INBRE is Delaware's biomedical research catalyst, opening up resources and funding opportunities to researchers throughout the state.

The Delaware INBRE Centralized Research Instrumentation Core (CRIC) promotes clinical and translational research by providing INBRE-affiliated researchers with state-of-the-art instrumentation and highly qualified professional personnel.

CRIC plays a leadership role in disseminating information about the Delaware INBRE instrumentation core resources, and in developing a community of educated core facility users working closely and collaboratively with core professionals. Currently, seventeen technology centers/cores are affiliated with Delaware INBRE and participate in activities/programs enhancing access to state of the art technologies for biomedical research. CRIC promotes this research by facilitating instrumentation access via its Core Center Access Award (CCAA). For more information about the CCAA please visit our website at [de-inbre.org/cric/](http://de-inbre.org/cric/)

The DE-INBRE affiliated cores would like to thank the following INBRE institutions for their continued support.



### CBCB Bioinformatics Core (University of Delaware)

*Support & training for a broad range of bioinformatics & genomic analysis applications*

[core.bioinformatics.udel.edu/](http://core.bioinformatics.udel.edu/)

**Shawn Polson, Director**  
help@bioinformatics.udel.edu

### Bioinformatics Core (Nemours/AIDHC)

*Consultation & data analysis, REDCap, computing resources, application programming*

**Suzanne McCahan**  
mccahan@NemoursResearch.org

### Value Institute (Christiana Care Health System)

*Consultation, collaboration, advanced statistical methodologies*

[ValueInstitute@christianacare.org](mailto:ValueInstitute@christianacare.org)

**Claudine Jurkovitz**  
cjurkovitz@christianacare.org

### DNA Sequencing and Genotyping Center (University of Delaware)

*DNA sequencing; Nucleic Acid extraction, purification, and amplification; Nucleic Acid quality analysis; DNA fragmentation; DNA size selection*

[www.udel.edu/dnasequence/](http://www.udel.edu/dnasequence/)

**Brewster F Kingham, Director**  
DNAsequence@udel.edu

### Genome Customization Core (Christiana Care Health System)

*Gene Editing and Genetic Engineering*

[corefacilities.dbi.udel.edu/facility/genome-customization-core](http://corefacilities.dbi.udel.edu/facility/genome-customization-core)

**Eric Kmiec, Director**  
Eric.B.Kmiec@christianacare.org

### Biomolecular Core Laboratory (Nemours/AIDHC)

*Sanger sequencing; fragment analysis; Ion PGM; Real-Time PCR; 3D PCR; Microarray*

[nemoursresearch.org/cores/bcl/](http://nemoursresearch.org/cores/bcl/)

**Jennifer Holbrook, Assistant Director**  
MBcore@Nemours.org

### Bio-Imaging Center (University of Delaware)

*State-of-the-art electron, light and atomic force microscopy*  
Delaware Biotechnology Institute

[bioimaging.dbi.udel.edu](http://bioimaging.dbi.udel.edu)

**Jeffrey Caplan, Director**  
jcaplan@udel.edu

### Center for Biomedical & Brain Imaging (University of Delaware)

*Functional and structural MRI, spectroscopy, diffusion-weighted imaging and other MR imaging modalities; TMS; EEG*

**Keith Schneider, Director**  
keithas@udel.edu

### OSCAR Imaging Facility (Delaware State University)

*Imaging, microscopy, spectroscopy and image analysis*

[oscar.desu.edu/resources/imagingfacility.html](http://oscar.desu.edu/resources/imagingfacility.html)

**Hacene Boukari, Director**  
hboukari@desu.edu

### Histochemistry and Tissue Processing Core (Nemours/AIDHC)

*Full service histotechnology laboratory providing routine & complex assays.*

[nemours.org/pediatric-research/labservices/core/histotechnology.html](http://nemours.org/pediatric-research/labservices/core/histotechnology.html)

**Heather Hardy, Director**  
Heather.hardy@nemours.org

### Translational PET Imaging Core (Nemours/AIDHC)

*Clinical and Pre-clinical Research, clinical PET/MR scanner, PET imaging tracer synthesis, PET-MRI image analysis.*

**Shaohui Zhang**  
Shaohui.zhang@nemours.org

### Cell Science Core (Nemours/AIDHC)

*Flow cytometry, Cell culture, 2-D electrophoresis, 2-D DIGE, LC-MS/MS, HPLC*

[centerforpediatricresearch.org/cell-science-core/](http://centerforpediatricresearch.org/cell-science-core/)

**Lisa Glazewski, Lab Manager**  
Lisa.glazewski@nemours.org

**Proteomics and  
Mass Spectrometry Core  
(University of Delaware)**

*Protein identification and multiplex  
assays*

[corefacilities.dbi.udel.edu/  
facility/proteomics-and-mass-  
spectrometry-core-facility](http://corefacilities.dbi.udel.edu/facility/proteomics-and-mass-spectrometry-core-facility)

**Kelvin Lee**  
khl@udel.edu

**Leila Choe**  
lchoe@udel.edu

**Cardiovascular Research Core  
(University of Delaware)**

*Custom Vascular Studies,  
echocardiography, 24-hour blood  
pressure, monitoring Standard and  
Doppler Carotid ultrasound.*

**David Edwards, Director**  
dge@udel.edu

**CTCR Core Facility  
(Christiana Care)**

*Flow cytometry/cell sorting, real time  
PCR, microirradiator*

[www2.udel.edu/ctcr/](http://www2.udel.edu/ctcr/)

**Lynn Opdenaker**  
LOpdenaker@ChristianaCare.org

**CTCR Core Facility  
(University of Delaware)**

*QPCR, Cytometers, Cell Culture,  
Colorimetric and Fluorescent  
end-point assay.*

[www2.udel.edu/ctcr/](http://www2.udel.edu/ctcr/)

**Benjamin G. Rohe, Director**  
bgroh@udel.edu

**High-Throughput Screening &  
Drug Discovery  
(Nemours/AIDHC)**

*Assay development and drug discovery  
for pediatric disease targets.*

[centerforpediatricresearch.org/  
high-throughput-screening](http://centerforpediatricresearch.org/high-throughput-screening)

**Katherine Drake, Sr. Research  
Assistant**  
katherine.drake@nemours.org

## Contact Us

Please contact individual core labs for service information. For general inquiries, see contact information below.

### Centralized Research Instrumentation Core

#### Delaware INBRE

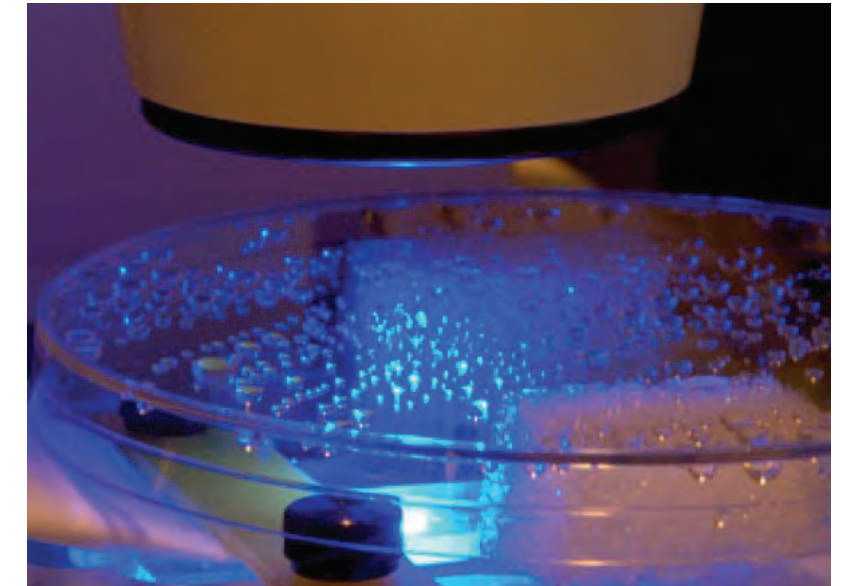
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**Delaware INBRE**  
Delaware's Biomedical Research Catalyst

# Centralized Research Instrumentation Core

## Guide to Core Labs & Services



More information at:

[de-inbre.org/cric](http://de-inbre.org/cric)

Core Access Awards are available