



LSU

College of Science

Genomics Core

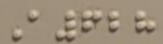
Services, supplies & instrumentation
for comparative genomics.

Photographic Tour

by Scott W Herke

A628 Life Science Annex

A628



LSU Genomics Core

(~8:30 a.m. to ~4:30 p.m., subject to change)

<https://genomics.lsu.edu/>

Staff-run Instruments

- ABI 3130xl Genetic Analyzer (Sanger-Sequencing, etc.)
- Agilent Bioanalyzer (QC for DNA, RNA, & proteins)
- BluePippin (DNA Size Selection for Next-Gen Sequencing)

Reservations required — Biosci-Booked (Genomics)

- Client PC Workstation (on LSU network)
- QuantStudio-6 (qPCR, protein melt-curves, etc.)
- ABI Yciti (standard PCR thermal cycler)
- Qubit 4.0 (Nucleic Acid & Protein quantitation; RNA Integrity)
- Diagenode Bioruptor NGS (DNA fragmentation)
- SPD1010 SpeedVac (sample concentration)
- Typhoon 8600 Variable Mode Imager (Phosphor screens, etc.)

Other Instruments & selected Services

- ProNex Magnetic Beads (Promega — better than AMPure XP)
- DNA Columns by Zymo Research (purification & Size-Selection)
- Eppendorf Centrifuge 5810R (96-well plates; 15/50 ml tubes)
- Victor-3 Multilabel Counter (fluorescence, luminescence, etc.)

Selected Web pages

- BioSci Thrift Store
- Self-Service Instruments
- Reagents & Supplies
- Software, qPCR, Technical info, and Training
- Documents for Equipment & Protocols



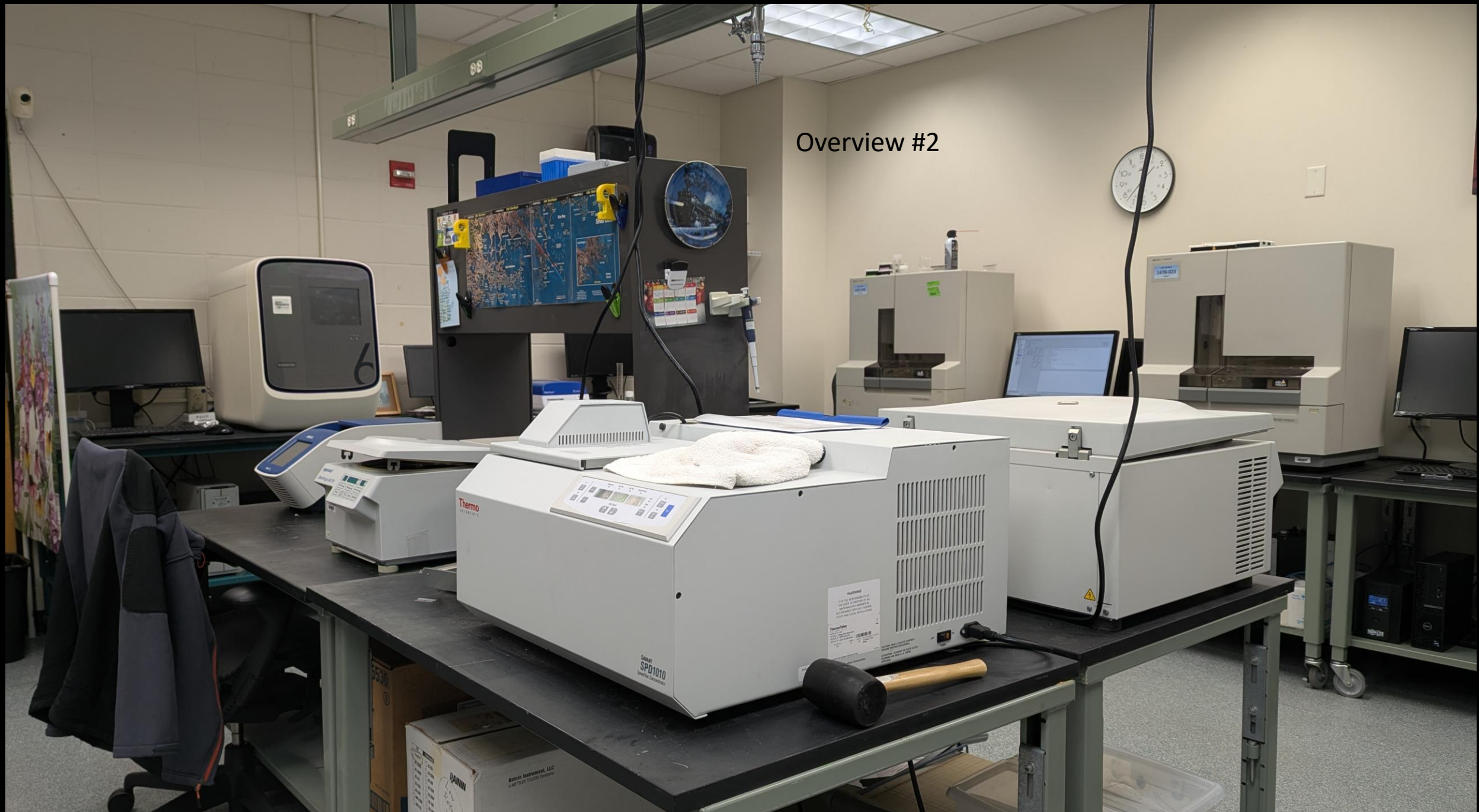
Emergency Contacts

- 1) Scott Herke (A628-A): 225-400-5513 (cell)
- 2) Jerilyn Walker (A645): 337-228-0078 (cell)

Overview #1



Overview #2





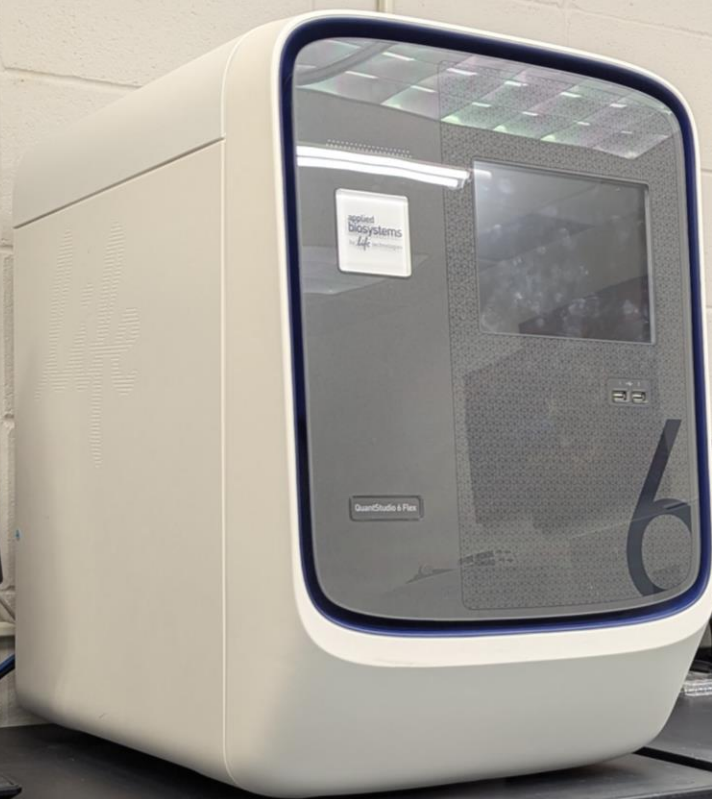
Veriti thermal cycler

Eppendorf 5417R

SpeedVac SPD1010

Typhoon
8600

ABI
QuantStudio6
(qPCR)



Blue
Pippin

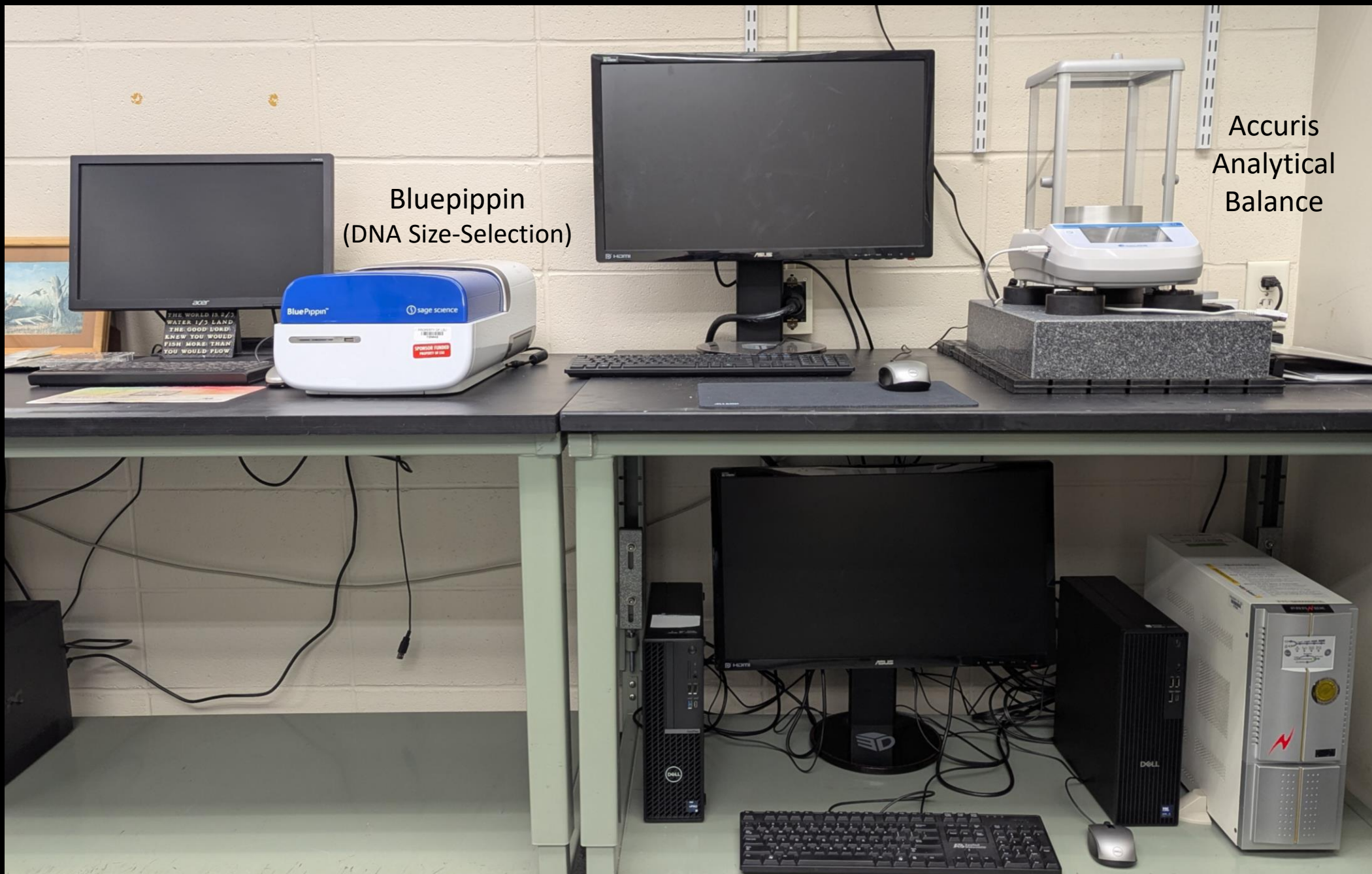


Accuris
Analytical
Balance



Bluepippin
(DNA Size-Selection)

Accuris
Analytical
Balance





ABI 3130xl
(DNA Sanger-Sequencing)

ABI 3130xl

ABI 3130xl

Client
Workstation PC
(Remote access)

Sample
Drop-Off
Minifridge

Eppendorf
Centrifuge 5810R

Weigh
Balance



Image Eraser
Phosphor screen
Image Eraser

Typhoon 8600

Typhoon 8600
Variable Mode Imager

BIOSCIENCE

LTS		Trademarks	
☐ GP-110	☐ GP-250	☐ GP-110	☐ GP-250
☐ GP-110F	☐ GP-250S	☐ GP-110F	☐ GP-250S
☐ GP-110S	☐ GP-250F	☐ GP-110S	☐ GP-250F
☐ GP-1300F	☐ GP-100F	☐ GP-1300F	☐ GP-100F
☐ GP-1300	☐ GP-200F	☐ GP-1300	☐ GP-200F
☐ GP-1300S	☐ GP-100	☐ GP-1300S	☐ GP-100

RAININ

Typhoon 8600

Qubit 4

E-gel

Control box

Sonication
Chamber

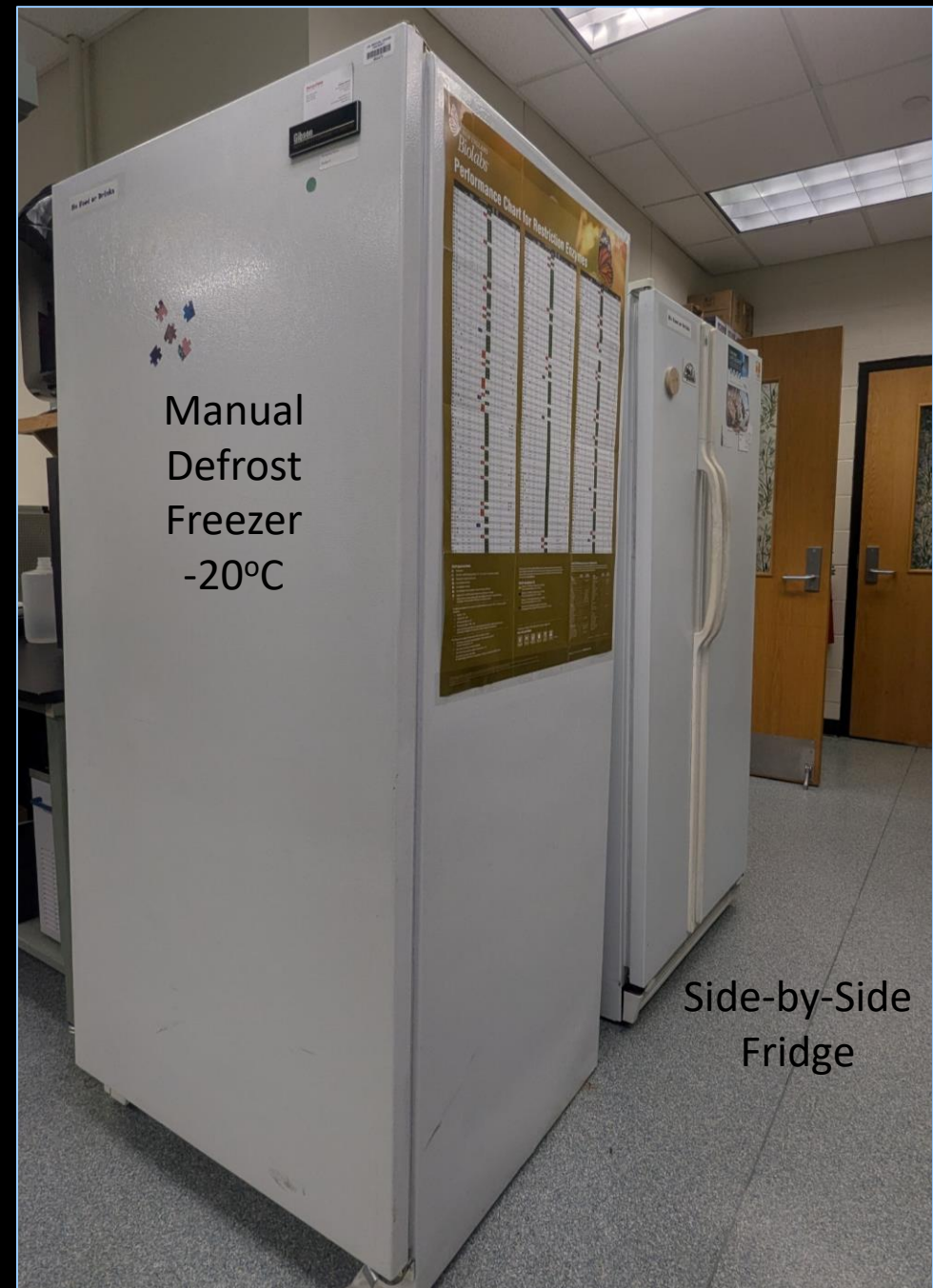
Chiller

Diagenode
Bioruptor
NGS
(DNA Shearing)





Client Workstation PC (Remote access)



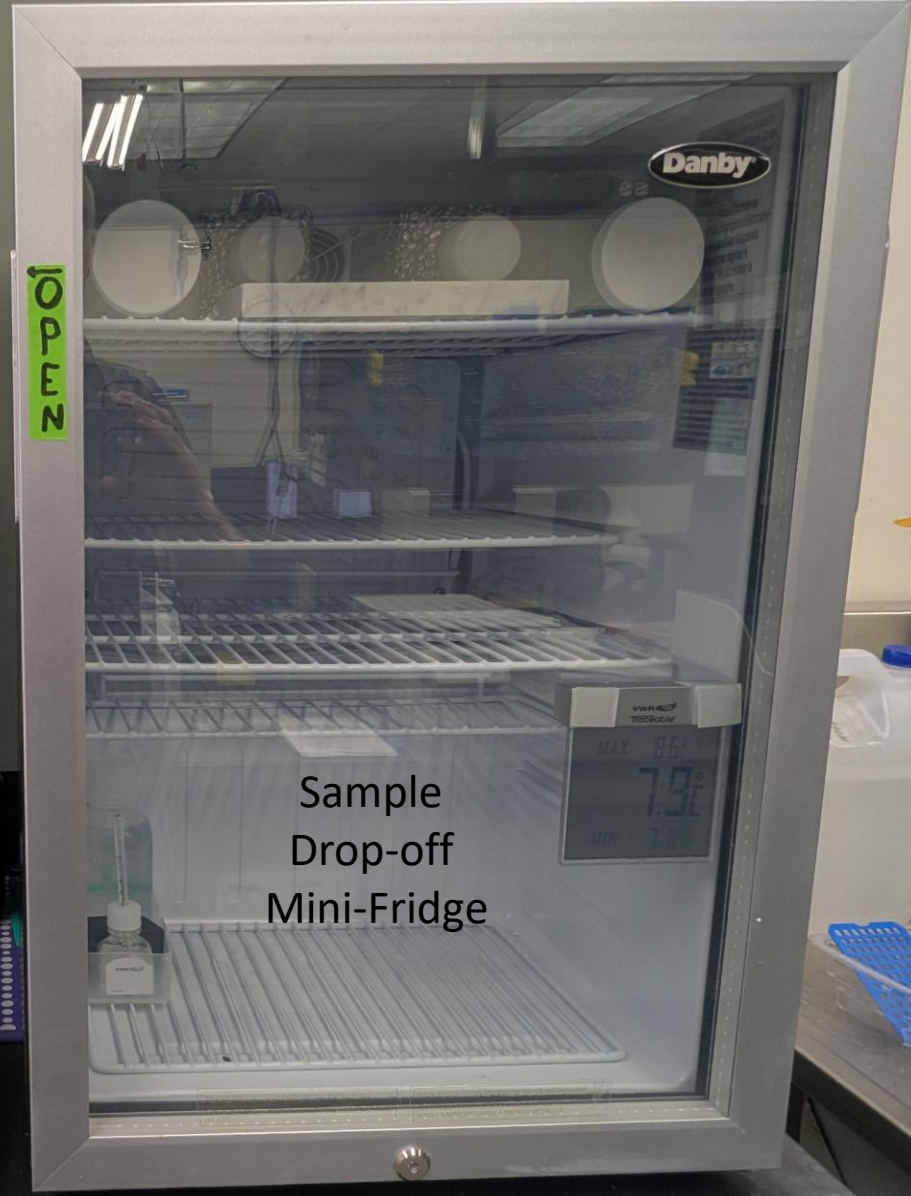
Manual
Defrost
Freezer
-20°C

Side-by-Side
Fridge



Eppendorf 5425R

1000



Sample
Drop-off
Mini-Fridge

GC
thermal
cyclers

GC
Minifuges

GC
Pipettes

Weigh
Balance

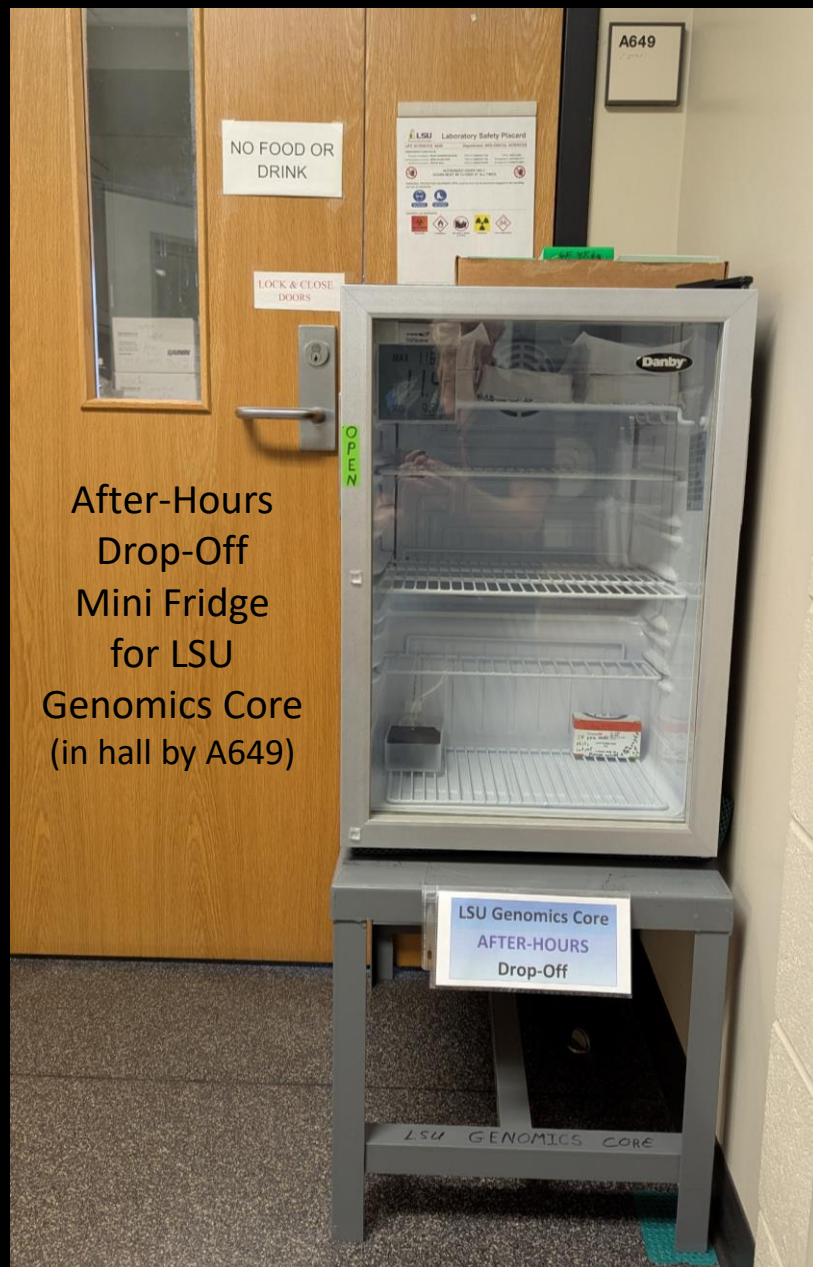


ABI Veriti
thermal cyclers
(for Core use only)





Agilent
Bioanalyzer



After-Hours
Drop-Off
Mini Fridge
for LSU
Genomics Core
(in hall by A649)



Original art by
Colin Herke

Prints available: up to 40X40" and 20X30"