

**LSU**

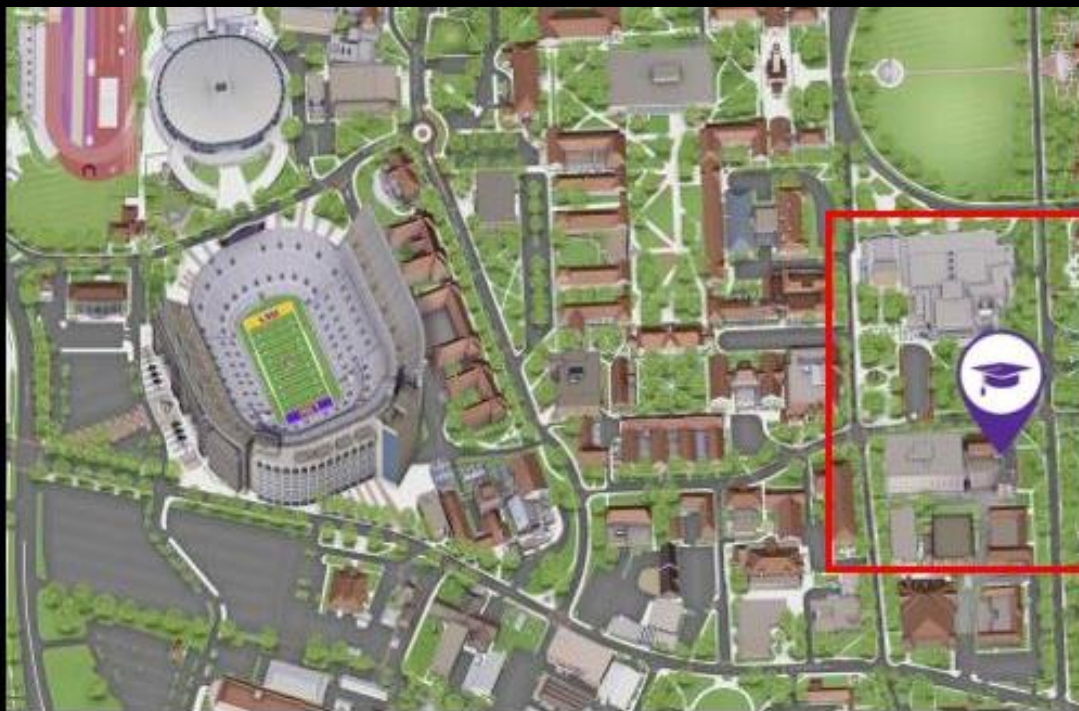
College of Science

# Genomics Facility

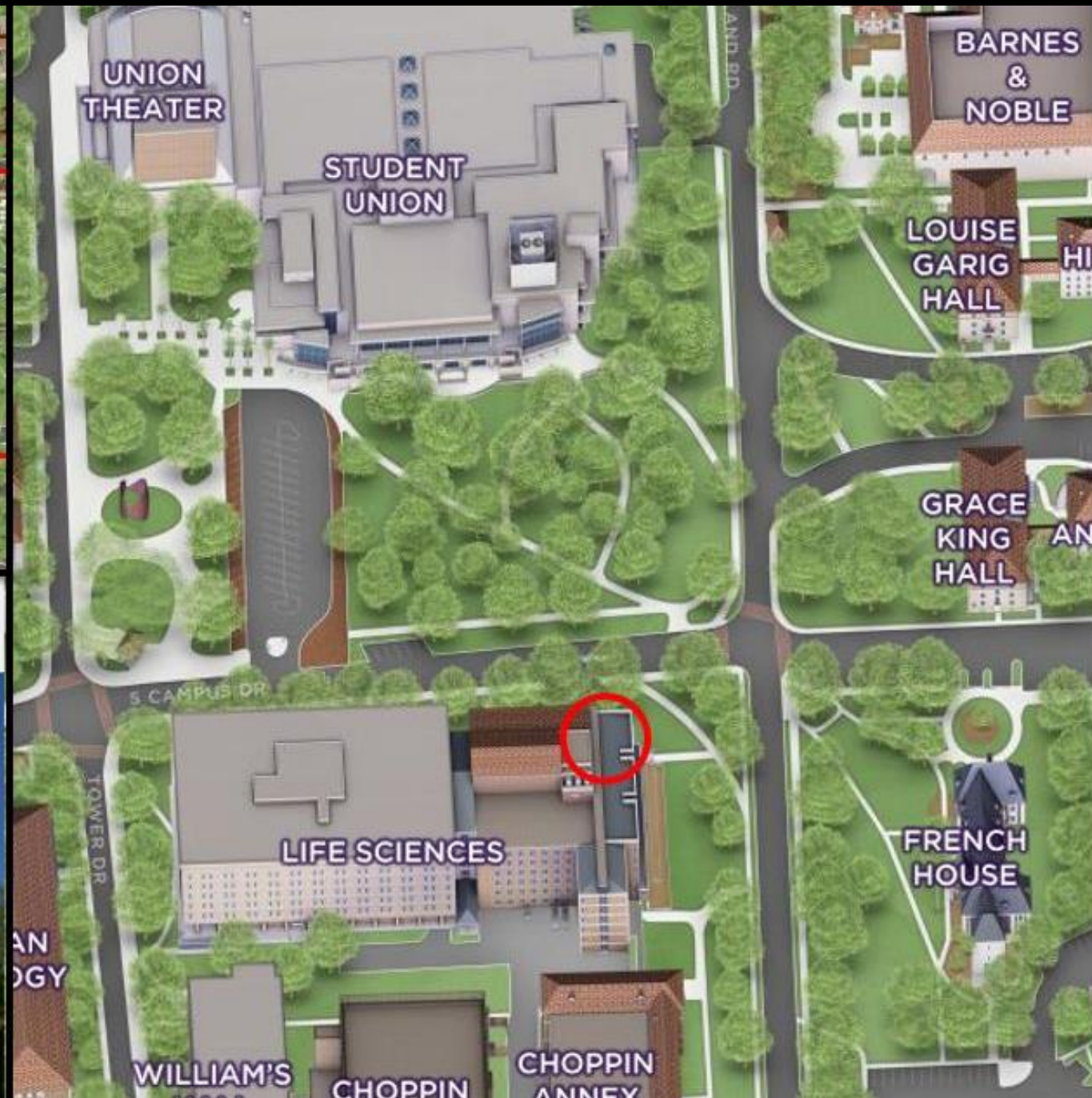
Services, supplies & instrumentation  
for comparative genomics.

Photographic Tour

by Scott W Herke



Life Sciences Annex





# A628 Life Science Annex

A628

1 800 6

LSU

## Laboratory Safety Placard

Address: A628

Department: Biological Sciences

Emergency CONTACTS:

Responsible: Mark Andrew Batzer

Office #: (225) 578-7102

Office: A643 LSBA

## LSU Genomics Facility

(~8:00 a.m. to ~4:30 p.m., subject to change)

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

### Staff-run Instruments

- Ion Torrent S5 (NGS, Next Generation Sequencing)
- ABI 3130xl Genetic Analyzers (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)
- SmartCheck (rapid pipette validation)
- ABI ViiA 7 & QuantStudio 6 (qPCR, protein melt-curves, etc.)
- ABI Veriti (standard PCR thermal cycler)
- Qubit 4.0 (Nucleic Acid & Protein quantitation; RNA Integrity)
- Diagenode Bioruptor NGS (DNA fragmentation)
- SP1010 SpeedVac (sample concentration)
- Typhoon 8600 Variable Mode Imager (Phosphor screens, etc.)

### Other Instruments & selected Services

- E-gel (DNA Size-Selection for NGS libraries, etc.)
- Eppendorf Centrifuge 5810R (96-well plates; 15/50 ml tubes)
- Victor 3 Multilabel Counter (fluorescence, luminescence, etc.)
- DNA Columns by Zymo Research (purification & Size-Selection)

### 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




Typhoon  
8600

Thermo  
SpeedVac SPD1010

Victor3 Plate Reader







ABI ViiA7  
(qPCR)

ABI  
QuantStudio6  
(qPCR)

Ion Torrent  
S5 (NGS)



Phoenix II

ABI 3130xl  
(DNA Sanger-Sequencing)

Old  
Reliable

ABI 3130xl

ABI 3130xl





Eppendorf  
Centrifuge 5810R



Weigh  
Balance



Veriti Thermal Cycler  
for Clients

Image Eraser  
Phosphor screen  
Image Eraser

Typhoon 8600

Typhoon 8600  
Variable Mode Imager  
Molecular Dynamics

LTS		Traditions	
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<input type="checkbox"/> GP-1300S	<input type="checkbox"/> GP-100	<input type="checkbox"/> GP-1300S	<input type="checkbox"/> GP-100

RAININ



Typhoon 8600

Qubit 4

E-gel

Control box

Sonication  
Chamber

Diagenode  
Bioruptor  
NGS  
(DNA Shearing)

Chiller



Racks for submittal of  
non-qPCR samples

eppendorf  
Centrifuge 5417R

Centrifuge

OPEN

Sample  
Drop-off  
Mini-Fridge



After-Hours  
Sample  
Drop-Box  
inside A650



**AFTER-HOURS  
GENOMICS FACILITY  
DROP-BOX**

If facility is open, deposit your  
samples in the mini-fridge  
inside A628.





GF  
thermal  
cyclers

GF  
Minifuges

GF  
Pipettes

Weigh  
Balance



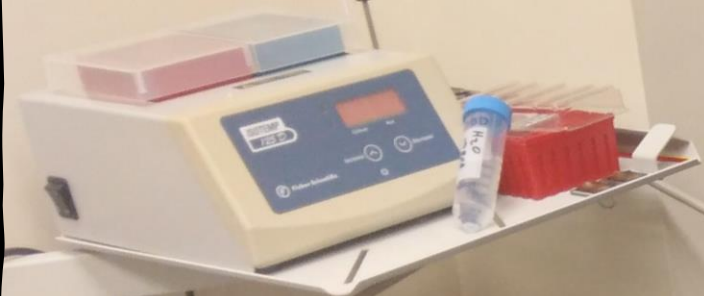


ABI Veriti  
thermal cyclers  
(for facility use only)





Hot Block



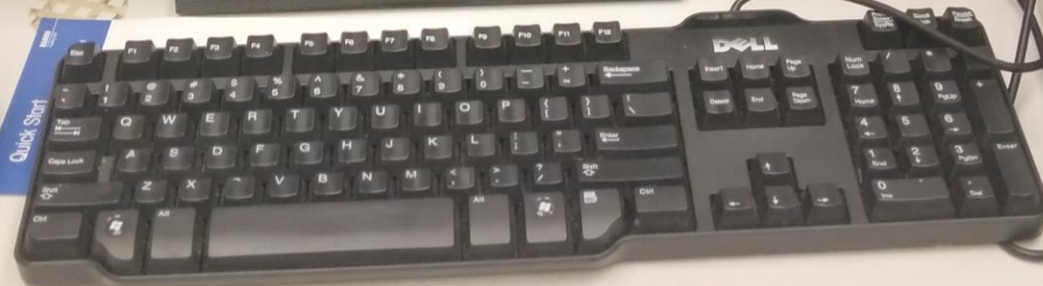
Agilent Bioanalyzer



Client Workstation  
(Remote Access)

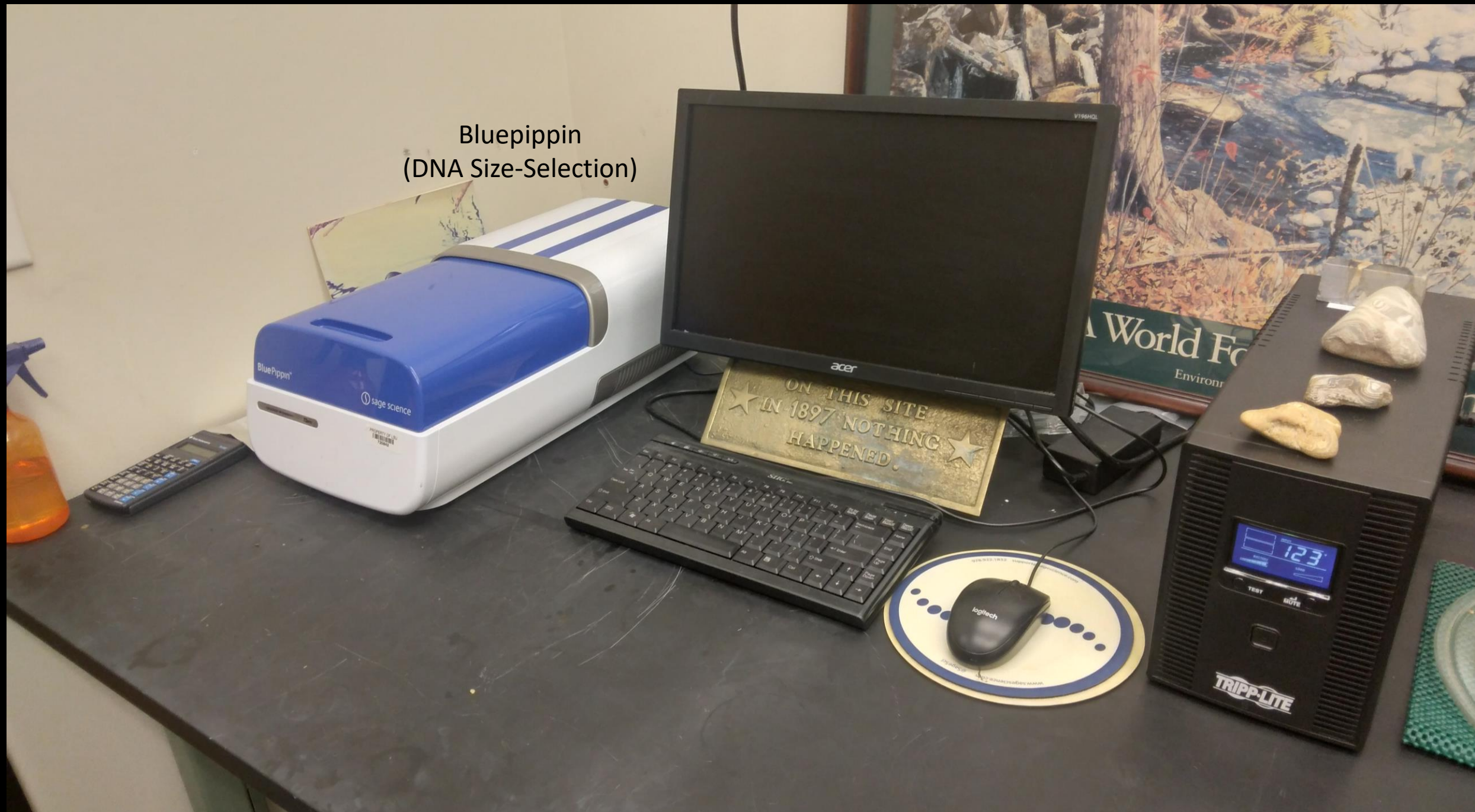


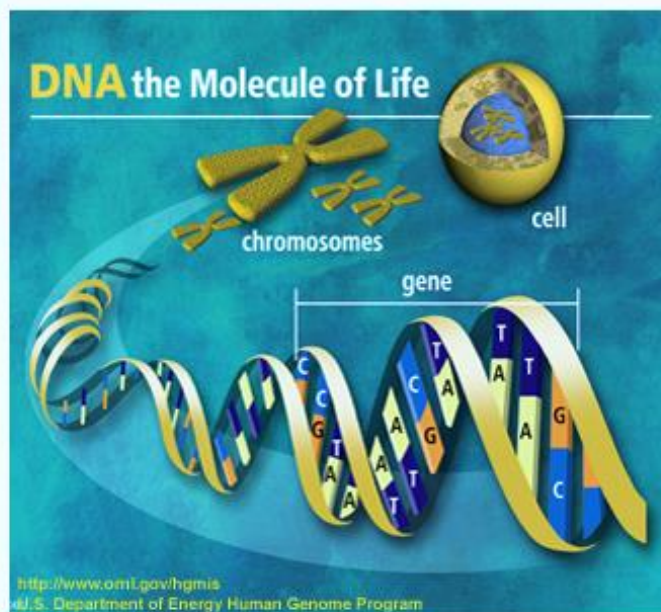
SmartCheck  
(Pipette Verification)





Bluepipin  
(DNA Size-Selection)





#### LSU Genomics Facility

Members of the College of Science (LSU—B.R.) are our primary clients; other local campus labs may have access if their Cores lack similar capabilities.

- Self-Service Suspended
- GF Survey: Our Past & Future?

#### Tidbits

- BioSci Thrift Store... free stuff, trades, discounts, requests, housing.
- Sodium Borate... for a faster, better DNA gel.
- Practical Guide for Sanger-Sequencing.

[Request Form](#)

[Submission History](#)

[Services](#)

[Biosci-Booked \(Genomics\)](#)

[Training & Documents](#)

[Science Aid Center](#)

[Facility Facts & Links](#)

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[Map: Genomics Facility – Room A628, Life Sciences Annex](#)

[LSU Maps](#)

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(Friday, 26 August 2022)

