

BRTT Animal Core: Overview

- Our mission
- Who we are
- How to contact us
- Where to locate us
- Services
- Costs involved
- What we need from BRTT investigators

Mission

- To provide support to BRTT investigators for the humane use of animals for non-GLP experiments

Who We Are: BRTT Animal Core

- Core Director
 - Mitch Drumm, PhD
- Co-Director
 - Anna van Heeckeren, DVM, MS
- Technical support
 - Nicole Brown*
 - Ebony Boyd
 - Alma Wilson, DVMT
 - Jimm Poleman
 - Bill Marcus
 - Heather Dangerfield (weekends)
- Other members of the CF Core Center Animal Core
 - Veronica Peck
 - R. Christiaan van Heeckeren
 - Thomas Shaw

Who to Contact

- Anna van Heeckeren
 - First person to contact about a new project where the BRTT Animal Core would be involved in any way
- Nicole Brown
 - Once Anna has been contacted, Nicole is the one to contact about the project to discuss needs for animals, and what experimental procedures need to get done
- Other personnel
 - As needed for a particular project

How to Contact Us: Phone & E-mail

Who	Phone (216-368 prefix)	E-mail (@ case . edu suffix)
Mitch Drumm	X6893	Mitchell.drumm
Anna M. van Heeckeren	X0008	Anna.vanheeckeren
Nicole Brown	X1162 or X4646	Nicole.brown
Ebony Boyd	X1162 or X4646	Ebony.boyd
Jimm Poleman	X1162	James.poleman
Bill Marcus	X0426	William.marcus
Alma Wilson	X1162 or X4646	Alma.wilson
R. Chris van Heeckeren	X1162	Rolf.vanheeckeren
Veronica Peck	X1162 or X4646	Veronica.peck
Thomas Shaw	X1162	Thomas.shaw

Where to Find Us: Location & Phone

Who/What	Building	Room #	Phone*
Mitch Drumm's office	Biomedical Research Building	830	X6893
Anna M. van Heeckeren's office	Biomedical Research Building	827	X0008
Laboratory	Biomedical Research Building	839A	X1162
Animal facility	Wolstein Animal Facility	SB151	X4646
Animal facility	Health Sciences Animal Facility	EB17K	
Animal facility	Health Sciences Animal Facility	EB08H	
Animal facility	Health Sciences Animal Facility	EB12J	

*216-368 prefix

Mailing address:

2109 Adelbert Road

Biomedical Research Building, 8th floor

Cleveland, OH 44106-4948

FAX: X4223*

Mouse Housing: Location & Phone

Mouse Use	Building	Phone*	Room #
Mice housed for breeding	Wolstein Animal Facility (WAF)	X4646	SB151
Mice housed for non-infectious studies	Wolstein Animal Facility	X4646	SB151
Mice transported by ARC from WAF	Health Sciences Animal Facility		EB01K
Mice received from non-standard vendor	Health Sciences Animal Facility		EB12J
Mice held by Core for infectious studies	Health Sciences Animal Facility		EB17K
Mice held by Core for infectious studies	Wearn Animal Facility		S-17
Mice housed once mice are infected	Health Sciences Animal Facility		EB08H

*216-368 prefix

Above is subject to change with regard to the location of mice in the Health Sciences and Wearn Animal Facilities when the Health Sciences Animal Facility is under construction.

Service: Animal Care

- Animal care personnel:
 - Nicole Brown- Primary resource
 - Alma Wilson, DVMT- Secondary resource
- What you do:
 - Give us the approved IACUC protocol
 - Give us a grant number (speed type # for housing costs)
 - Tell us the animal models you will be using
 - Estimate how many animals you will need at any given time
- What we do:
 - Breed and maintain mouse models of human disease for use by BRTT investigators
 - Hemophilia, tumor research
 - Provide “extra” care fragile mice need above and beyond that provided by the Animal Resource Center personnel
 - Distribute mice to investigators, as needed

Service: Genotype Mice

- Genotyping personnel:
 - Dr. Mitch Drumm, PhD- geneticist
 - Ebony Boyd- primary technical support
 - Bill Marcus- secondary technical support
- What you do:
 - Lead us to the relevant DNA genotype protocol(s)
- What we do:
 - Collect tissue samples from mice
 - Extract and analyze mouse DNA
 - Mutations
 - Transgenes
 - Combinations of the above
 - Maintain records of the data analysis

Service: Perform Experiments Part 1

- Experiment personnel:
 - Dr. Anna van Heeckeren, DVM
 - Review IACUC protocols prior to submission
 - Develop experimental design using animals
 - Nicole Brown- primary technical support
 - Jimm Poleman- secondary technical support

Service: Perform Experiments Part 2

- What you do:
 - Let us know the groups of animals needed
 - Age, body weight, sex, genotype, number of animals
 - Let us know what you want us to do
 - Provide animals only
 - Monitor animal health
 - Inject animals
 - Harvest samples
 - Coordinate with us when to do it
 - Provide us with treatments for the animals (cells, drugs, diluent, etc.)

Service: Perform Experiments Part 3

- What we do:
 - Treat mice
 - Almost any route of administration
 - Monitor mice
 - General clinical observations
 - Body weight, coat quality, ambulation, posture, etc.
 - Some specific clinical observations
 - Tumor size, etc.
 - Sacrifice mice and harvest biological samples
 - Maintain records of the above
 - Rat and rabbit use must be reviewed

Service: Data Management

- Current database system
 - Homemade database in Access
- “Facility” database
 - It will be on a secure server for the use of both the BRTT and CF Core Center Animal Cores
 - Use is currently restricted for use by Core personnel
 - We have the program, but details need to be finalized prior to launch
 - Once we have the new system completely up and running, we will inform you of any procedural changes for investigators on the BRTT web site at that time

Costs Involved: Housing Animals

- We are responsible for:
 - Housing breeding cages of mice
- You are responsible for:
 - The costs associated with housing experimental animals
 - Per diem rates, per Animal Resource Center web link
 - Numbers allowed/cage depends on the size of the animals
 - Mice: \$0.58/cage*day; 3-5 mice/cage
 - Rats: \$0.96/cage*day; 1-3 rats/cage
 - Rabbits: \$1.25/day; 1 rabbit/cage

Costs Involved: Consumables

- We are responsible for:
 - Basic supplies for Animal Core staff to use
 - Monitoring the animals
 - Scale
 - Genotyping mice
 - Collecting and processing “routine” biological samples
 - Injecting animals (needles and syringes)
 - Blood collection (tubes)
 - Tissues processed for histologic examination (paraformaldehyde and containers)
 - Tissues collected to be snap frozen (aluminum foil, tubes, liquid nitrogen, dry ice)
- You are responsible for:
 - Specialty supplies
 - If you can't find it among our supplies, you have to provide it

Costs Involved: Non-Consumables

- We are responsible for (in our laboratory):
 - Animal Core computers and software
 - Anesthesia/Euthanasia set-up for mice
 - Scales, heating pads, hot bead sterilizer
 - Water bath, autoclave maintenance
 - PCR machine and related items
- You are responsible for:
 - Signing up to use any “equipment”
 - Treating “equipment” with care
 - There are currently no costs associated with the use of the aforementioned “equipment”

What We Need from BRTT PI

- Name of PI and technical staff members using the BRTT Animal Core
- Contact information for above personnel
 - Mailing address
 - Phone number
 - FAX number
 - E-mail address
- Approved IACUC protocol for BRTT studies
- Grant number/Speed type or administrator contact for billing cage charges
- List of publications in which the BRTT Animal Core was utilized in one way or another