New CCMS Assignments

Management Organizational Chart

Dr. Jonathan Cohen
Director

Gail Clay
Executive Assistant

Dr. Crystal Johnson
Associate Director, CCMS

Kaware Richardson
Assistant Director, CCMS Husbandry Operations

Veronica Moses
Assistant Director, CCMS Financial Operations

Dr. Hylton Gordon
Head, Comparative Surgery

Dr. Virginia Gillespie
Head, Comparative Pathology

Dr. Jaclyn Steinbach
Small Animal Clinical Veterinarian
Dr. Jaclyn Steinbach - CCMS Clinical Veterinarian

- **NYU-Regeneron Training Program in Laboratory Animal Medicine 2014-2017**
  - New York, NY
  - *Postdoctoral Research Fellow*
  - Board Eligible
    - American College of Laboratory Animal Medicine

- **Royal Veterinary College 2010-2014**
  - London, England
  - BVetMed (Hons), MRCVS

- **Rutgers University, Cook College 2004-2008**
  - New Brunswick, NJ
  - Bachelor of Science
    - Animal Science/Pre-Veterinary Medicine & Research (Major)
More Noteworthy changes

Husbandry Organizational Chart
Changes Cont’d

Clinical Organization Chart

Dr. Jonathan A. Cohen
Director

Dr. Crystal H. Johnson
Head, Translational Veterinary Medicine (Icahn Facility Veterinarian);
Director, Behavioral Enrichment

Steven Ortiz
Environmental Enrichment Coordinator

Dr. Jaclyn Steinbach
Small Animal Clinical Veterinarian
(Hess Facility Veterinarian)

Sui-Wan Lee
Small Animal Medicine Supervisor

Dr. Hylton Gordon
Head, Comparative Surgery
(Annenberg/Atran Facility Veterinarian)

Ron Primm
Large Animal/OR Supervisor

Dr. Virginia Gillespie
Head, Comparative Pathology Laboratory

Ying Dai
Lab Manager

John Salig
Training/ Compliance Officer
Successful AAALAC 2017 Site Visit

Thank You and Congratulations!
Post-AAALAC notes

- **Continued Full Accreditation** (next site visit 2020)

- **Noteworthy commendations**
  - Strong Administrative Commitment from the School
  - State of the art equipment and facilities
  - Collegial relationship and excellent communications amongst components of the Animal Care and Use Program (IACUC, CCMS, Investigators)
  - Environmental and Social Housing Programs
  - Husbandry and Housekeeping practices
  - Translational Molecular Imaging Institute
Post-AAALAC notes

› CCMS Suggestions for Improvement

- Aseptic Surgical Technique compliance
  • Inappropriate preparation of the surgical site
  • Clutter
  • Maintaining equipment sterility/sterile field
  • Use of bead sterilizer

- Resolution
  • Remove clutter/excess supplies
  • PIs and staff conducting rodent surgery must attend CCMS Orientation Review of Aseptic Surgical Techniques
  • IACUC Rodent Policy will be posted in all CCMS Vivarium Procedure Rooms and Individual laboratories supporting rodent surgery remote to the vivarium
  • IACUC Policies link: http://intranet1.mountsinai.org/iacuc/home.asp
CCMS Suggestions for Improvement

- Clarity on posted CO2 Euthanasia Guidelines
  - No Requirement of second method of euthanasia (cervical dislocation or thoracotomy) to verify death per IACUC guidelines
  - No language noting expected timeframe to wait following ceased respiration before retrieval of carcass
  - CO2 set ups remote to the vivarium with no posted Euthanasia Guidelines

- Resolution
  - Signs updated to include the language in accordance with the 2013 AVMA Panel on Euthanasia:
    - Respiratory arrest usually takes 3 or more minutes. After 3 minutes, check for respiratory arrest and then maintain the animal for at least 1 additional minute after respiratory arrest.
    - Death of the animal must be confirmed via physical examination or an adjunctive physical method (cervical dislocation or bilateral thoracotomy).
  - IACUC requiring placement of guidelines during semi-annual laboratory/facility inspections
Post-AAALAC notes

- **CCMS Suggestions for Improvement**
  - **Appropriate Use of Sharps Containers**
    - Some of the sharps containers placed in the animal rooms throughout all of the facilities included trash, gloves, paper towels, feed and **recapped needles**
  - **Resolution**
    - Information regarding the proper use of sharps containers will be added to our new personnel orientation and training sessions
    - Signage will also be added at the room level to note appropriate use of sharp containers.
Policy Review
Tumor Cell Line Use

- The following types of cells/cell lines will require IMPACT (new PCR-based version of MAP testing) testing every ten years:
  1. All rodent and non-rodent (including human) cells to be implanted in rodents
  2. Feeder cells used for culturing cells to be implanted in rodents
  3. Packaging cells used for production of vectors that will be injected into rodents

- Primary master cell banks must be kept frozen at all times with proper documentation including the negative testing results and the date of cell freezing. (aliquot to avoid frequent thawing of stock)
Tumor Cell Line Use cont’d

- All cell lines for which there are no documented IMPACT results within the last 10 years, **must be re-tested** before they can be used.

- Laboratory personnel must write the name of the cell line used on the cage cards for QA and cross referencing (monthly basis).
Social Housing Policy

- IACUC policy requires social housing be the default form of housing
- Principal investigators are encouraged to design experiments that would avoid isolation
  - Procuring animals in stable groups or pairs
  - Maintaining them in such groups
  - Experimental endpoints that would not result in an extended isolation

- Experimental designs and the 72 hours rule
  - Experimental paradigms and scientific requirements may result in singly housed animals
  - Animal may be singly housed for up to 72 hours

- IACUC Exemptions to social housing
  - Scientific Justification
  - Social Incompatibility
  - Veterinary Concerns
Social Housing Policy

- **Scientific Justification:** If scientifically justified and approved by the IACUC
  - Animals bearing delicate multi-electrode arrays for neural recordings
  - Behavioural studies requiring social isolation
  - Monitoring of individual activity
  - Testing individual food or water consumption

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**Single Housing**

Date: ____________  Tech Initials: ______

CC#: ____________  PI: ________________

Date: ____________  Lab Initials: ______

Singly housed animals must be resolved within 72 hrs of the tag date.

Identify below the IACUC approved reason for Single Housing.

- [ ] Scientific Justification
  - Socially Incompatible
  - Only Female/Male in the Litter
  - Pregnant Female
  - Male Breeder
  - Other: ____________________________
Social Housing Policy

- **Social Incompatibility**: If a veterinarian determines that an animal needs to be singly housed to avoid harm to itself or to cage mates
  - Retired male breeders
  - Aggressive behaviour
  - No conspecifics available

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**Single Housing**

Date: ____________ Tech Initials: _______

CC#: ____________ PI: ____________

Date: ____________ Lab Initials: _______

Singly housed animals must be resolved within 72 hrs of the tag date.

Identify below the IACUC approved reason for Single Housing.

- [ ] Scientific Justification
- [x] Socially Incompatible
  - [ ] Only Female/Male in the Litter
  - [ ] Pregnant Female
  - [ ] Male Breeder
  - [ ] Other: ____________________________
Social Housing Policy

- **Veterinary Concern:** If a veterinarian recommends single housing of animals for clinical or animal welfare reasons
  - Only Female/Male in the litter
  - Pregnant Female
  - Male Breeder
  - Postoperative recovery
  - Implanted device

**Single Housing**

- Date: ____________  Tech Initials: ______
- CC#: ______________  PI: ______________
- Date: ______________  Lab Initials: ______

Singly housed animals must be resolved within 72 hrs of the tag date.

Identify below the IACUC approved reason for Single Housing.

- [ ] Scientific Justification
- [ ] Socially Incompatible
- [ ] Only Female/Male in the Litter
- [ ] Pregnant Female
- [ ] Male Breeder
- [ ] Other: ___________________
Biohazardous Agent Use

- Properly classify the Biohazardous agent
- Provide appropriate details for biosafety measures
- Identify responsible key personnel
Project Scope

- Replace S3 AHU and associated mechanical equipment on Anbg 27.

- Replace all supply CAV boxes/reheat coils serving the 26th floor with new VAV boxes/reheat coils and sound attenuators.

- Provide new exhaust VAV boxes to maintain required space pressure differentials.

- Eliminate perimeter heating in animal holding rooms.

- Provide permanent insulated walls in front of exterior windows in animal holding rooms.
Project Scope, cont.

- Replacement of the lighting system in all rodent holding rooms.
- Installation of new fire alarm devices and panels, and adding sprinklers.
- Installation of Edstrom monitoring controls system.
Edstrom Watchdog System

- Environmental monitoring
- Light controls and monitoring
- Data collection, storage, and archiving
- Custom report generation
- Alarm notification
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Phasing Schedule

- **Phase 1**: 30-45 days
- **Phase 2**: 30 days
- **Phase 3**: 30 days
- **Phase 4**: 30 days
- **Phase 5**: 30 days
- **Punch list**: Complete

- **Work on Anbg 26 complete**
Questions/Comments