

April 28, 2022

Dear prospective MMRRC and RRRC user:

Please consider adding the Mutant Mouse Resource and Research Center (MMRRC) and Rat Resource and Research Center (RRRC) at the University of Missouri to your approved or provisionally approved vendor lists. The following provides some information that may help in your decision. We would also be thrilled to discuss this, as well as any other needs you may have, by phone.

- 1) The MMRRC and RRRC rodent facilities are located in a 13,500 sq. ft. rodent vivarium in a state-of-the-art research facility located in Research Park approximately 3 miles from the University of Missouri campus. The facility is occupied only by MMRRC and RRRC-affiliated investigators and staff. MMRRC and RRRC staff provide **no** care for any other facilities on the MU campus and MU campus animal care staff provide **no** care for MMRRC and RRRC rodents.
- 2) All animal rooms are equipped with ventilated cages and biosafety hoods and the facility has a hydrogen peroxide vaporizer, bulk autoclave, and cage washer. The vivarium is under the direction of an ACLAM board-certified veterinarian who is in constant consultation with the PI of the MMRRC and a Co-I of the RRRC who is also an ACLAM boarded veterinarian. Strict biosecurity SOPs are in place including limited access to keyed facilities and strict PPE requirements. See <http://www.mu-mmrc.com/> and www.rrrc.us for select SOPs.
- 3) All MMRRC and RRRC rodents are rederived or resuscitated into barrier facilities, regardless of incoming health status.
- 4) MMRRC and RRRC rodents are provided either from live colonies that are monitored quarterly using established sentinel practices or they are recovered from frozen embryos or sperm. For the latter, all recipient dams (aka mothers of the mice/rats you receive) are tested for infectious agents prior to distribution of the animals.
- 5) Sentinel and recipient dams are monitored for an extensive list of pathogens. For MMRRC and RRRC Procedures and recent health reports, see https://mu-mmrc.com/Recent_Health_Report/ (MMRRC) and http://www.rrrc.us/Health_Monitoring/ (RRRC).
- 6) The MMRRC and RRRC have had no outbreaks of major naturally occurring infectious agents since their inception. Moreover, no MMRRC or RRRC rodent-related outbreaks have occurred at institutions who include the centers as approved vendors.

For more information, contact:

Craig Franklin, DVM, PhD, DACLAM
(573) 882-6623; franklinc@missouri.edu
www.mmrc.missouri.edu and www.rrrc.us

Also please consider all MMRRC distribution facilities as approved vendors. The MMRRC is a consortium of four regional distribution facilities that import and export mutant mice on a regular basis. While procedures for importation, exportation, and health monitoring differ slightly among the distribution facilities, biosecurity is of the utmost importance and at a higher level than that of most traditional academic barrier facilities. Contact information is as follows:

MMRRC at The Jackson Laboratory (<https://www.jax.org/research-and-faculty/resources/mutant-mouse-resource-research-center>)

MMRRC at Univ. of California, Davis (<https://mmrc.ucdavis.edu/>)

MMRRC at Univ. of North Carolina, Chapel Hill (<https://www.med.unc.edu/mmrc/>)

Thank you for considering the MMRRC and RRRC. Please contact us with any questions you have.

Craig Franklin, DVM, PhD, DACLAM
Professor, Department of Veterinary Pathobiology
Co-Director, Mutant Mouse Regional Resource Center

Elizabeth Bryda, PhD
Professor, Department of Veterinary Pathobiology
Director, Rat Resource and Research Center