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POSITION DESCRIPTION

Malaria Transmission Technician

Position Level	5
Faculty/Division	Medicine & Health / School of Medical Sciences
Position Number	ADMIN ONLY
Original document creation	ADMIN ONLY

Position Summary

The role of the **Malaria Transmission Technician** is to provide technical support to all aspects of the new Wallace Wurth Insectary insect husbandry, parasite culture and animal-based research protocols, within the Baum laboratory within the School of Biomedical Sciences (SBMS), UNSW Kensington Campus.

The role reports to the laboratory head Professor Jake Baum and has no direct reports.

Accountabilities

Specific accountabilities for this role include:

- Interact closely with the principal investigator, research manager and other members of the Baum laboratory and liaise closely with the Animal Services, MEDRIOS and Safety teams as well as coordination with the Research Ethics & Compliance Support personnel, facilitate general tissue culture of gametocytes (sexual stages), supervise insect & animal husbandry, pre- and post-feeding (mosquito to mouse/mouse to mosquito) monitoring and care, and reporting on any animal-related issues which may arise, alerting the principal investigator or research manager to any adverse events and taking follow-up actions in accordance with established protocols.
- Coordinate, perform and or facilitate parasite tissue culture and any pre- and post-feeding (mosquito to mouse/mouse to mosquito) procedures, perform monitoring and, in particular, undertake diligence with assessment of animal well-being as well as maintenance of appropriate monitoring documentation;
- Support the conduct of all daily tissue culture/animal/insectary-based procedures and monitoring for Baum laboratory research animals in accordance with the requirements of the Australian Code of Practice for the Care and Use of Animals for Scientific Purposes and the Animal Research Act;
- Maintain facilities integrity & compliance with OGTR, DAWE and WH&S regulations in relation to quarantine, malaria parasite GM and general biosafety assuring that the Approved Arrangements

and Biosafety measures in place for tissue culture, insectary running and animal work can progress without interruption;

- Demonstrate understanding and working knowledge of the NSW and Australian regulatory framework governing the use of animals for scientific research, biosafety (and biocontainment) and genetic modification of organisms;
- Assist in the development, implementation and maintenance of Baum laboratory Standard Working Procedures for general work, OGTR/DAWE compliance, facility operations, animal care, safety and delivery of technical and husbandry services;
- Maintain records of animal health, husbandry, surgical and post-operative monitoring, and
- Ensure hazards and risks are identified and controlled for tasks, projects and activities that pose a health and safety risk within your area of responsibility.
- Align with and actively demonstrate the [UNSW Values in Action: Our Behaviours](#) and the [UNSW Code of Conduct](#)
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

Skills and Experience

- A Degree, Associate Diploma, TAFE Certificate or equivalent in Animal Studies or Animal Technology with at least 2 years' subsequent relevant work experience or an equivalent level of knowledge gained through any other combination of education, training and/or experience.
- Demonstrated experience and current skill set in the preparation, induction and anaesthesia of laboratory and domestic animals for a variety of surgical procedures.
- Demonstrate relevant experience in the post-operative care, monitoring and recovery of small laboratory animals and familiarity with current humane euthanasia methods for small laboratory animals.
- Demonstrated experience of general (or malaria specific) tissue culture.
- A working understanding of animal ethics processes and the regulatory framework governing the use of animals for scientific purposes.
- Demonstrated ability to be resourceful and adapt existing procedures to achieve productive outcomes across multiple facilities, from animal through insectary facilities, within UNSW.
- Genuine commitment to the ethical care and welfare of animals enrolled in the laboratory research protocols.
- Availability and willingness to work weekends and public holidays on a roster system
- Advanced time management, organisational and problem-solving skills, including the ability to meet deadlines.
- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role.