

NATIONAL INSTITUTES OF HEALTH
DEPARTMENT OF HEALTH AND HUMAN SERVICES

NATIONAL PRIMATE RESEARCH CENTERS (NPRC) PROGRAM
DIVISION OF COMPARATIVE MEDICINE
NATIONAL CENTER FOR RESEARCH RESOURCES

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NATIONAL PRIMATE RESEARCH CENTER SUPPORT

Final

UNIVERSITY OF WISCONSIN-MADISON

ANNUAL PROGRESS REPORT

Reporting From: 04/30/2006

Reporting To: 04/29/2007

43.000% AIDS Related

withheld



Patent or Copyright was awarded this grant year.

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PERSONNEL ROSTER

Core Doctoral Scientists

Name, Degree	Department	Non-Host Institution: State, Country
withheld		

Affiliated

Name, Degree	Department	Non-Host Institution: State, Country
withheld		
		Proprietary Info
		UNIVERSITY OF ALABAMA-BIRMINGHAM: AL, USA Proprietary Info
		Proprietary Info
		Proprietary Info

Affiliated

Name, Degree	Department	Non-Host Institution: State, Country
withheld		UNIVERSITY OF ALABAMA: AL, USA Proprietary Info
		Proprietary Info Proprietary Info Proprietary Info Proprietary Info Proprietary Info
		Proprietary Info NENPRC & Proprietary Info Proprietary Info Proprietary Info Proprietary Info UNIVERSITY OF ILLINOIS, COLLEGE OF MEDICINE: IL, USA Proprietary Info U MASS. MEDICAL SCHOOL: MA, USA Proprietary Info WAYNE STATE UNIVERSITY: MI, USA Proprietary Info

Affiliated

Name, Degree	Department	Non-Host Institution: State, Country
withheld		ONPRC: OR, USA
		UNIVERSITY OF TEXAS AT AUSTIN: TX, USA
		Proprietary Info
		UNIVERSITY OF MINNESOTA: MN, USA
		Proprietary Info
		Proprietary Info
		UNIVERSITY OF OKLAHOMA: OK, USA
		UNIVERSITY OF WISCONSIN-MILWAUKEE: WI, USA
		Proprietary Info
		Proprietary Info
		ONPRC: OR, USA FELS INSTITUTE OF CANCER RESEARCH & TEMPLE U. SCH. OF MEDICINE, PHILADELPHIA: PA, USA UNIVERSITY OF NEW ORLEANS AND Proprietary Info LA, USA
		Proprietary Info
	Proprietary Info	
	CNPRC: CA, USA	
	Proprietary Info	
	Proprietary Info	

Affiliated

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Department

Non-Host Institution: State, Country

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OKLAHOMA HEALTH SCIENCES
CENTER: OK, USA
UNIVERSITY OF PITTSBURGH: PA,
USA
ONPRC: OR, USA

Proprietary Info

Proprietary Info

OREGON HEALTH SCIENCES
UNIVERSITY: OR, USA

Proprietary Info

WANPRC: WA, USA

UNIVERSITY OF
CALIFORNIA-BERKELEY: CA, USA
UNIVERSITY OF
CALIFORNIA-DAVIS: CA, USA

UNIVERSITY OF
CALIFORNIA-RIVERSIDE: CA, USA

Proprietary Info

UNIVERSITY OF MINNESOTA: MN,
USA

VIRGINIA COMMONWEALTH
UNIVERSITY: VA, USA

Proprietary Info

Proprietary Info

Affiliated

Name, Degree	Department	Non-Host Institution: State, Country
withheld		UNIVERSITY OF CALIFORNIA-DAVIS: CA, USA SOUTHWEST NATIONAL PRIMATE RESEARCH CENTER: TX, USA Proprietary Info
		CALIFORNIA NATIONAL PRIMATE RESEARCH CENTER: CA, USA Proprietary Info
		Proprietary Info
		UNIVERSITY OF PITTSBURGH: PA, USA
		UNIVERSITY OF WISCONSIN-WHITEWATER: WI, USA UNIVERSITY OF NEBRASKA: NE, USA Proprietary Info
		Proprietary Info

SUBPROJECT DESCRIPTIONS

NPRC MANAGEMENT SUBPROJECTS

WNPRC ANIMAL SERVICES DIVISION (0214)

NPRC UNIT: ADMINISTRATIVE

%NPRC \$: 7.000% **AIDS RELATED RESEARCH**

INVESTIGATOR	DEGREES	STAFF	DEPARTMENT	NON-HOST INSTITUTION: STATE, COUNTRY
		CODE		
withheld				

SUBPROJECT DESCRIPTION

To oversee all animal care and other colony-related activities for the Wisconsin National Primate Research Center, toward the goal of studying nonhuman primates to improve human and nonhuman primate health:

- 1) To provide an excellent and consistent standard of animal husbandry for the nonhuman primate (nhp) colonies of the WNPRC.
- 2) To provide an excellent and consistent standard of veterinary care for the nhp colonies of the WNPRC.
- 3) To provide research support for researchers performing animal research at the WNPRC.
 - a. Through provision of healthy animals
 - b. Through provision of expert veterinary assistance
- 4) To ensure compliance of researchers, facilities with all institutional, local, state, federal laws, regulations, and guidelines pertaining to the performance of animal research.
- 5) To ensure proper and thorough training of all personnel employed by the WNPRC.

To fulfill the objectives outlined above, the Animal Services Division of the WNPRC is composed of four specialized individual units that maintain their own personnel and budgets. The individual units are: Colony Management, Veterinary Services, Behavioral Management, and Compliance and Training

Each of the four units performs their own individual duties but also act in synergy to fulfill the specific aims of the division. Furthermore, the individual units interact with the other divisions to fulfill the goals of the entire Center.

Veterinary Services Unit

The Veterinary Services Unit of the WNPRC is composed of five veterinarians and six veterinary technicians. The principal objective of the unit is to provide consistent and excellent care to the nhp colonies housed at the WNPRC. To achieve this objective, the unit has created and implemented a collection of policies that guide the provision of veterinary care at the WNPRC. These policies, which encompass pertinent topics such as nhp quarantine, preventative medicine, and clinical/surgical care, are based on the most contemporary techniques available to nhp veterinarians.

The second major objective of the unit is to provide support for the investigators performing research at the WNPRC.

The primary way in which the unit supports the investigators is by ensuring a consistent supply of healthy nhps is available for utilization in experimental studies. The veterinary staff also assists investigators by meeting with them prior to an experiment to discuss and plan for each proposed study, by helping compose IACUC protocols, by performing procedures beyond the skill level of the investigators, and by providing clinical care for the nhps assigned to research projects.

The final objective of the unit is to provide training for personnel working with nhps at the WNPRC and at other institutions. Through didactic and applied instruction, the unit provides training to veterinary and veterinary technical students, visiting veterinarians and veterinary technicians, WNPRC and visiting investigators, and scientific support staff.

The Veterinary Services Unit works closely with the other units of the Animal Services Division as well other divisions of the WNPRC. This collaboration ensures the most complete and effective care of our animals and benefits the Veterinary Services unit as well the other individual units and divisions of the WNPRC.

Colony Management Unit

The Colony Management Unit is one of the most crucial components of the WNPRC infrastructure as it supports the entire animal husbandry program of the Center. The Colony Management Unit consists of a colony manager, 3 supervisors, 22 full-time animal research technicians, and 2 colony records assistants. The daily tasks performed by the Colony Management Unit include:

- Provision of food to the nonhuman primate colonies
- Thorough cleansing of the enclosures and rooms that house the nonhuman primates
- Thorough cleansing of the remainder of the animal holding facilities
- Minor maintenance of the animal holding facilities

In addition to their husbandry duties, the personnel of the Colony Management Unit perform pivotal tasks for the Veterinary Services, Behavioral Management and Enrichment, and the Centralized Protocol Implementation Units of the

Center. These tasks include, but are not limited to the following:

- Documentation and communication of daily health reports on the nonhuman primate colonies
- Maintenance of colony records
- Collection of behavioral and scientific data
- Administration of medical and experimental treatments
- Delivery of environmental enrichment objects
- Collection of blood and other tissue samples for experimental and clinical purposes.

Finally, in cooperation with the Senior Management Team, the Colony Manager maintains the nhp breeding colonies of the Center and ensures that a sufficient supply of healthy, genetically characterized animals are available to core, collaborative, and outside investigators.

Colony Records Subunit

One **EFFO** and one **EFFOR** assistant staff this subunit of Colony Management. The subunit's staff is responsible for the daily entry of all data related to the nonhuman primate colony including clinical procedures, animal location transfers, treatments, research procedures, surgical procedures, sample collections, and health observations. Colony Records staff also assure the quality control of data entries, train new staff on how to use the Animal Records Database, and perform database queries. The subunit is appropriately situated in the Colony Management unit to foster frequent communication among personnel performing the work being documented. The unit works closely with the Information

