

# Wisconsin National Primate Research Center

## Scientific Protocol Implementation Services

**Scientific Protocol Implementation**, better known as **SPI**, is dedicated to providing the support needed to perform a research study using **nonhuman primates (NHP)** at the **Wisconsin National Primate Research Center (WNPRC)**.

Whether investigators need...

- Complete project support from start to finish
- Assistance in technical procedures
- NHP biological materials

...we are able to assist.

Our support maintains consistency in research standards along with a level of efficiency and flexibility that would be difficult or impossible to achieve in individual laboratories.



Wisconsin National Primate Research Center  
UNIVERSITY OF WISCONSIN-MADISON

### Scientific Protocol Implementation Services

University of Wisconsin-Madison  
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# Wisconsin National Primate Research Center

# SPI

## Scientific Protocol Implementation Services

## Complete Project Support

We can assist in personalizing your access to the WNPRC:

- Determine those services you may need
- Provide assistance in finding possible collaborators with NHP expertise
- Assist with grant proposals and subcontracts
- Obtain approval of projects from the WNPRC executive committee
- Help in developing experimental protocols and budgets
- Assist with regulatory paperwork (i.e. IACUC and biosafety protocols)
- Develop specific technical support and animal procedures
- Coordinate all service units at WNPRC to effectively support your project

Contact: [darken@primate.wisc.edu](mailto:darken@primate.wisc.edu) with any and all questions.

## Requesting NHP Biological Materials

If you have need for biological materials from non-human primates, contact: [nhpbmd@primate.wisc.edu](mailto:nhpbmd@primate.wisc.edu)

Biological materials available:

- in vivo blood\*
- in vivo tissues
- post-mortem tissue (fresh, frozen, fixed)
- banked tissue (frozen, fixed, paraffin blocks, glass slides)

We will work out the specific details with you and contact you when we are able to meet your request.

\*Note: We are not able to provide a continuous supply of NHP blood for general assays. We prefer to provide specific blood needs related to relevant research needs

## Assistance in Technical Procedures

SPI provides direct animal technical support for animal procedures. We also coordinate with Veterinary Services for surgical and anesthesia support.

Our services are usually related to a research contract (grant, subcontract, or other) involving nonhuman primates.

If you have an existing research contract, you can arrange for SPI to provide any technical services you may need related to your project with monkeys or you can ask us to manage all of the animal related portions of your project. Some of the more common procedures are listed below. We can also work with you to develop new procedures or refine existing procedures as needed.

- Antibody infusions
- BAL development with and without scope
- Behavioral observations
- Behavioral testing
- Biopsy (lymph node, skin, cervical, liver, GI, etc.)
- BMDS body temperature monitoring
- Bone marrow aspiration
- Cell transfer procedure
- Cranial infusion
- Create 3d reconstruction from CT-PET fusion scan
- Dendritic cell injection
- Duodenum biopsy with laparoscope
- DXA scan
- EKG
- Embryo transfer technique surgical and non- surgical
- Endoscope procedure



- Energy expenditure measurements
- Experimental breeding (timed mating or AI)
- Female cycle monitoring
- Fine motor task testing (ORDT, etc)
- Food intake and body weight measurement
- FSH stimulation of ovaries
- Gastroscopy procedure
- HDO BP monitoring
- Hyperinsulinemic euglycemic clamp procedure
- Implanted femoral catheter implants with jackets for extended blood draws
- Infections (IR, IV, vaginal, nasal, tracheal, etc.)
- Integrated imaging software, OsiriX, for 3d reconstruction's and videos
- IVGTT
- Laparoscopic oocyte collection
- Laparoscopic oocyte retrieval with new scope equipment
- Memory testing (GASH, MMAP, SDR, etc)
- Microelectrode recording
- MPTP surgery for Parkinson's model
- MRI and PET support of animals
- Ovariectomy
- Pharmaceutical drug or vaccine delivery
- Pole and collar, restraint chair habituation
- Positive reinforcement training for specific tasks
- Prenatal tissue collection
- Sample collection (urine, blood, CSF, etc)
- Search and transfer techniques for embryos
- Semen collection
- Specialized injections for projects
- Steroid SQ implants
- Swab or wash collection (e.g. BAL, nasal, tracheal, vaginal, rectal, etc)
- Time sensitive blood collection (e.g. cortisol levels, etc.)
- Ultrasound database
- Ultrasound guided kidney biopsy
- Updated semen collection method