Explore the nervous systems of people and dogs.

Lucky, a Dachshund who was treated at the Purdue University Veterinary Teaching Hospital for injuries sustained in a car accident, is your tour guide for learning about how the nervous systems of dogs and people are alike. Together you will learn about how the nervous system works, what happens when injuries occur, and how to help people and animals with spinal cord injury.

Sponsor

Lucky’s Back is part of the Fat Dogs & Coughing Horses: Animal Contributions towards a Healthier Citizenry program to develop educational programs for P-12 students, parents, teachers, and the public about the science involved in keeping people healthy.

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NIH . . . Turning Discovery Into Health

Its contents are solely the responsibility of the authors and do not necessarily represent the official views of ORIP or NIH.

Organizers and Content Specialists

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Diagnostic Imaging Team at Purdue Veterinary Medicine
Center for Paralysis Research at Purdue Veterinary Medicine
Discovery Learning Research Center at Purdue University’s Discovery Park

Panorama of Lucky’s Back Exhibit
Exhibit Walk-Through

Lucky’s Back includes several stations.
Each one focuses on a specific concept and contains interactive elements.

Introduction: Lucky, a Dachshund who was treated at the Purdue University Veterinary Teaching Hospital for injuries sustained in a car accident, is your tour guide for learning about how the nervous systems of dogs and people are alike.

Build a Nervous System: Lucky will introduce you to the parts of a nervous system and you can explore the layers of a dog’s nervous system.

Neuroanatomy: Watch a video and see how the parts of the nervous system work together.

Sending and Receiving information: Explore how the nervous system sends and receives signals and see the nervous system in action.

Helping People and Dogs with Spinal Cord Injury: Examine real radiographs of spinal cord injuries in dogs and learn how medicines and surgery can help injured people and dogs. Practice being a surgeon and repair a broken back.

What Have You Learned: Take a computer quiz and see what you learned about the nervous system.

Learning Objectives

- Understand that the nervous systems of dogs and people work the same way.
- Understand that the nervous system sends and receives signals.
- Understand that injuries can prevent signals from being sent along the nervous system.
- Understand that injured spinal cords can sometimes be repaired.

Target Audience: 3rd through 9th graders and their families

Availability: Lucky’s Back will be available for three-month rental.

Price: $3,000 for 3 months plus in-bound shipping. Indiana venues are offered a 50% discount.

Square Footage: 250

Category: Health and Science

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Discover how advances in animal health can lead to advances in human health!