



David Geffen  
School of Medicine

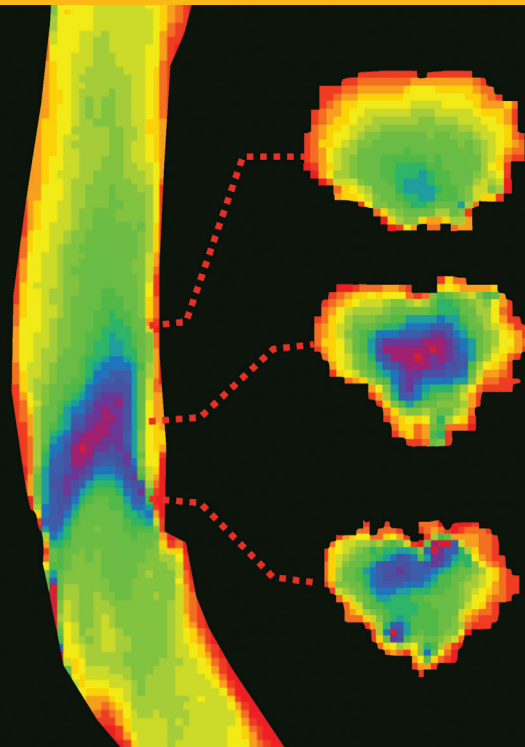
# UCLA Spinal Cord Injury Symposium

March 3, 2018  
Red Bull Media House  
Santa Monica, CA

**CME** OFFICE OF  
CONTINUING  
MEDICAL  
EDUCATION

DAVID GEGGEN SCHOOL OF MEDICINE at UCLA

In kind support for this  
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## Course Description

The UCLA Spinal Cord Injury Symposium is a one-day course that presents contemporary and future strategies in the management of spinal cord injury. The first half of the day emphasizes the clinical management of spinal cord injury ranging from initial patient evaluation through postoperative rehabilitation. The management of both chronic spinal cord injury related to cervical spondylotic myelopathy and acute traumatic spinal cord injury will be discussed in didactic lectures, case presentation, and question and answer sessions. Recent evidence-based studies will be utilized. The second half of the course will be focused on emerging basic science and clinical research, and delves into novel functional restoration and neural repair strategies including nanotechnology, dietary supplementation, stem cells, and robotics.

## Course Objectives

The purpose of this course is to increase competency in the management of patients with chronic and acute spinal cord injury. Additionally, this program seeks to increase familiarity with the research strategies that are shaping the management of spinal cord injury currently and in the future.

Attendees completing this course will increase skills and knowledge to better:

- Evaluate and treat both acute and chronic spinal cord injury patients, including operative and nonoperative options as well as critical care management
- Contrast the anterior and posterior surgical approaches for cervical spondylotic myelopathy and distinguish which approaches are the most optimal for a specific clinical presentation
- Describe the role of sagittal balance and other spinal deformity parameters in the pathogenesis of cervical spondylotic myelopathy and incorporate these measurements into clinical practice
- Compare traditional and novel rehabilitation strategies following spinal cord injury and formulate individualized treatment plans
- Define the etiology of chronic pain in spinal cord injury patients and employ the available operative and nonoperative options to improve pain levels in these patients
- Identify the areas of controversy in the management of traumatic spinal cord injury based on evidence-based guidelines
- Describe the basic science and clinical research strategies that are actively being translated into the treatment for spinal cord injury patients
- Explore the basic science and clinical research strategies that are likely to be translated into the treatment for spinal cord injury patients in the future

## Target Audience

The target audience is health care professionals and researchers invested in improving the care for spinal cord injury patients including neurosurgeons, orthopaedists, neurologists, intensivists, rehabilitation specialists, physiatrists, pain management physicians, nurses, physician assistants, and spinal cord injury researchers.

# Course Faculty

## COURSE DIRECTORS

### **Langston T. Holly, MD**

Professor and Vice Chair of Clinical Affairs, Department of Neurosurgery  
David Geffen School of Medicine at UCLA

### **Daniel C. Lu, MD, PhD**

Associate Professor of Neurosurgery  
Director, Neuromotor Recovery and Rehabilitation Center  
David Geffen School of Medicine at UCLA

### **A. Nick Shamie, MD**

Professor and Chief, Orthopaedic Spine Surgery  
David Geffen School of Medicine at UCLA

## COURSE FACULTY

### **David N. Alexander, MD**

Susan & David Wilstein Endowed Chair in Rehabilitation Medicine  
Medical Director, California Rehabilitation Institute, A Cedars/UCLA Health Partnership  
Professor, Department of Neurology  
David Geffen School of Medicine at UCLA

### **Ulrich Batzdorf, MD**

Professor of Neurosurgery  
David Geffen School of Medicine at UCLA

### **Carol J. Bennett, MD**

Chief of Urology  
Greater Los Angeles VA Healthcare System  
Member, Urology Surgery Advisory Board, NSO, VACO  
Clinical Professor of Urology  
David Geffen School of Medicine at UCLA

### **Rochelle A. Dicker, MD**

Professor of Surgery  
Chief, Surgical Critical Care  
Associate Trauma Medical Director  
Vice Chair-Department of Surgery  
David Geffen School of Medicine at UCLA

### **Bruce H. Dobkin, MD**

Distinguished Professor of Clinical Neurology  
Director, UCLA Neurologic Rehabilitation and Research Program  
David Geffen School of Medicine at UCLA

### **Fernando Gómez-Pinilla, PhD**

Professor  
Departments of Neurosurgery and Integrative Biology and Physiology  
David Geffen School of Medicine at UCLA

### **Leif A. Havton, MD, PhD**

Professor  
Departments of Neurology and Neurobiology  
David Geffen School of Medicine at UCLA

### **Jae H. Jung, MD**

Program Director, UCLA PM&R Spine Fellowship  
Associate Professor, Department of Orthopaedics  
David Geffen School of Medicine at UCLA

### **Luke Macyszyn, MD, MA**

Assistant Professor of Neurosurgery and Orthopaedics  
Department of Neurosurgery  
David Geffen School of Medicine at UCLA

### **Duncan Q. McBride, MD**

Chief, Division of Neurosurgery  
Harbor/UCLA Medical Center  
Associate Clinical Professor  
UCLA Department of Neurosurgery  
David Geffen School of Medicine at UCLA

### **Bennett Novitch, PhD**

Professor and Ethel Scheibel Chair in Neuroscience  
Department of Neurobiology  
Broad Center of Regenerative Medicine & Stem Cell Research  
David Geffen School of Medicine at UCLA

### **Marc R. Nuwer, MD, PhD**

Professor and Vice Chair, Department of Neurology  
Department Head, Clinical Neurophysiology  
David Geffen School of Medicine at UCLA

### **Don Young Park, MD**

Assistant Clinical Professor  
UCLA Department of Orthopaedic Surgery  
David Geffen School of Medicine at UCLA

### **Nader Pouratian, MD, PhD**

Associate Professor and Vice Chair  
Department of Neurosurgery  
David Geffen School of Medicine at UCLA

### **David J. Reinkensmeyer, PhD**

Professor  
Department of Mechanical and Aerospace Engineering  
Department of Anatomy and Neurobiology  
University of California at Irvine

### **Michael V. Sofroniew, MD, PhD**

Department of Neurobiology  
David Geffen School of Medicine at UCLA

### **Paul Vespa, MD**

Assistant Dean of Critical Care Medicine (Res)  
Gary L. Brinderson Family Chair in Neurocritical Care  
Professor of Neurology and Neurosurgery  
David Geffen School of Medicine at UCLA

### **J. Pablo Villablanca, MD, FACR**

Professor of Radiological Sciences,  
Director of Interventional Spine Service  
Medical Director of MRI  
David Geffen School of Medicine at UCLA

# Program

## Saturday, March 3, 2018

7:30 **Registration and Continental Breakfast**

8:00 **Introduction**

*Langston T. Holly, MD, Daniel C. Lu, MD, PhD*

### Session 1: Cervical Spondylotic Myelopathy

8:05 **Cervical Spondylotic Myelopathy Overview: A Form of Chronic Spinal Cord Injury**

*Langston T. Holly, MD*

8:25 **Advances in Imaging for Cervical Spondylotic Myelopathy – How Can We Better Assess Spinal Cord Injury?**

*J. Pablo Villablanca, MD, FACR*

8:45 **Anterior Surgical Approaches Are Best for Cervical Spondylotic Myelopathy**

*Duncan Q. McBride, MD*

9:05 **Posterior Surgical Approaches Are Best for Cervical Spondylotic Myelopathy**

*A. Nick Shamie, MD*

9:25 **The Role of Sagittal Balance and Deformity Parameters in Cervical Spine Surgery**

*Luke Macyszyn, MD, MA*

9:45 **Intraoperative Neuromonitoring – What Does It Provide?**

*Marc R. Nuwer, MD, PhD*

10:05 **Break**

### Session 2: Acute Traumatic Spinal Cord Injury: Clinical

10:20 **Initial Management of SCI – A Trauma Surgeon's Perspective**

*Rochelle A. Dicker, MD*

10:40 **Spinal Cord Injury Classification: Operative vs. Nonoperative Management**

*Don Young Park, MD*

11:00 **Contemporary ICU Management**

*Paul Vespa, MD*

11:20 **Rehabilitation after SCI**

*David N. Alexander, MD*

11:40 **The Diagnosis and Management of Post-Traumatic Syringomyelia**

*Ulrich Batzdorf, MD*

12:00 **Pain Management Following Spinal Cord Injury**

*Jae H. Jung, MD*

12:20 **Lunch**

### Session 3: Acute Traumatic Spinal Cord Injury: Research

- 1:10 **Neuromodulation to Improve Upper Extremity Function after Cervical Spinal Cord Injury**  
*Daniel C. Lu, MD, PhD*
- 1:30 **Brain-Computer Interfaces: Early Experience in Spinal Cord Injury**  
*Nader Pouratian, MD, PhD*
- 1:50 **Robotics and Wearable Sensors for Re-Training Hand Dexterity**  
*David J. Reinkensmeyer, PhD*
- 2:10 **Matching Rehabilitation to the Targets of Biological Interventions**  
*Bruce H. Dobkin, MD*
- 2:30 **Astrocyte Scars Do Not Prevent Axon Regeneration across SCI Lesions**  
*Michael V. Sofroniew, MD, PhD*
- 2:50 **Break**
- 3:00 **Neural Repair and Neuromodulation in Non-Human Primate Models of Lumbosacral Spinal Cord Injuries**  
*Leif A. Havton, MD, PhD*
- 3:20 **Neurogenic Bladder in Spinal Cord Injury: Treatment Options 2018**  
*Carol J. Bennett, MD*
- 3:40 **Modeling Central Nervous System Development Using Stem Cells – Implications for Spinal Cord Injury**  
*Bennett Novitch, PhD*
- 4:00 **Using Nutritional Power to Re-Build Circuits after Spinal Cord Injury**  
*Fernando Gómez-Pinilla, PhD*
- 4:20 **The Current State of Nanotechnology Research in Spinal Cord Injury**  
*Don Young Park, MD*
- 4:40 **Adjourn**

# General Information

## Registration Fee

- \$125 Physicians
- \$75 Nurses, Allied Health Professionals, Researchers
- \$25 Fellows, Residents, Students
- Free UCLA Fellows, Residents, Students

## Refunds

Cancellations must be received in writing by **Friday, February 2, 2018** and will be subject to a \$50 processing fee. No refunds will be granted after that date. If, for any reason, the course must be cancelled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

## Enrollment

### By Mail

Use the form attached. Mail to the UCLA Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, UCLA Spinal Cord Injury Symposium, 10920 Wilshire Blvd., Ste. 1060, Los Angeles, CA 90024-6512

### Online

Go to [www.cme.ucla.edu/courses](http://www.cme.ucla.edu/courses), click on UCLA Spinal Cord Injury Symposium, and click on the registration information section. You may use your MasterCard, VISA, American Express or Discover card to register online.

### By Phone

Use your American Express, MasterCard, VISA or Discover card.  
Call (310) 794-2620.

### By FAX

Send the completed enrollment form with credit card information and authorizing signature.  
Fax (310) 794-2624.

## Program Location

Red Bull Media House  
1740 Stewart Street  
Santa Monica, CA 90404

## Directions and Parking

From the 405 freeway take the 10 freeway West. Exit the freeway at exit 2A and turn left on Centinela Avenue. Turn left on Olympic Blvd. Turn right on Stewart. Turn left into the gated parking lot. Parking is free and you are welcome to park in any open spot. Enter the main entrance from the parking lot. You will be directed to the screening room upon arrival.

## Accreditation

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of 8.75 *AMA PRA Category 1 Credits*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Disclosure Statement

The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that nonpromotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We at UCLA fully endorse the letter and spirit of these concepts.

# UCLA Spinal Cord Injury Symposium

March 3, 2018

Application for Enrollment (Please Print)

Course Title and Number	Amount
<b>UCLA Spinal Cord Injury Symposium</b> M178-39 <b>REGISTRATION FEES:</b> \$125 Physicians \$75 Nurses, Allied Health Professionals, Researchers \$25 Fellows, Residents, Students*	

\* Complimentary registration for UCLA Fellows, Residents and Students can be arranged by contacting Steven Cohen at [stevencohen@mednet.ucla.edu](mailto:stevencohen@mednet.ucla.edu)

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Last four digits of your Social Security Number

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