**1st Annual UC Davis Stem Cell Research Policy and Ethics Symposium**

Presented by

UC Davis Bioethics Program

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**Stem Cell Research for Neurological Disorders: A Case Study in Ethical & Policy Issues in ALS Research**

The path from bench to bedside for groundbreaking stem cell interventions is fraught with scientific, ethical and policy complexities that are not always given weighted foresight or when recognized, adequately addressed.

Current limitations of animal models in cognitive research compel further investigation into the use of stem cell therapies. However potential risks and benefits are unknown and, in many instances, unknowable until research is conducted.

This symposium will explore the many reasons why we must assure scientific and ethical appropriateness of human trials, but in a way that makes innovation possible.

The cost of not striking this balance may be the unwitting encouragement of people to seek access to stem cell interventions unfettered by either scientific or ethical oversight and justification.

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**Registration Required**

RSVP Deadline: January 20, 2014 by 12pm

Send Response with contact information to

Julie Bechtel
916-734-6181
julie.bechtel@ucdmc.ucdavis.edu

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**January 30th, 2014**

8:45 a.m. – 2:30 p.m.

Medical Education Building
Lecture Hall 1222

UC Davis Health System Campus
Sacramento, CA 95816

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Supported by

UC Davis Clinical and Translational Science Center
California Institute for Regenerative Medicine
# Agenda

## January 30th, 2014

**8:45 a.m. – 2:30 p.m.**

**Medical Education Building**

**Lecture Hall 1222**

**UC Davis Health System Campus**

**Sacramento, CA 95816**

### Additional Information

Parking Available at the corner of Stockton and X Street

(Structure 3)

Lunch Provided

If dietary restrictions, please provide with RSVP

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<td>8:45 am</td>
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| 9:00 am | **Welcome and Introduction**  
Paul Knoepfler, Ph.D. Associate Professor, UC Davis  
Mark Yarborough, Ph.D. Dean's Professor of Bioethics, UC Davis |
| 9:05 am | **Living and Dying with ALS: The lived Experience of ALS and the urgency of ALS Research**  
Nanette Joyce, DO. Assistant Professor & Co-Director ALS Clinic, UC Davis |
| 9:40 am | **The Brain as a Frontier: Neurological Stem Cell Research and its Ethical Challenges**  
Paul Wolpe, Ph.D. Director of the Center for Ethics, Emory University |
| 10:30 am | Break |
| 10:45 am | Panel Discussion: The long path from animal studies to clinical trials on the way to FDA approval  
John Ioannidis, MD, DSc. C.F. Rehnborg Professor in Disease Prevention, Professor of Health Research & Policy, Stanford University  
Respondent: Jan Nolta PhD. Director of the Stem Cell Program, UC Davis  
Moderator: Randi Hagerman, MD. Medical Director of the MIND Institute, UC Davis |
| 11:30 am | **The Ethical Challenges of Stem Cell Clinical Trials for ALS: The Neuralstem Phase I and II trials**  
Jonathan Kimmelman, PhD. Associate Professor in Biomedical Ethics & Social Studies of Medicine, McGill University  
Respondents: Nanette Joyce, DO. & Paul Wolpe, PhD.  
Moderator: Mark Yarborough, PhD. |
| 12:15 am | Lunch |
| 1:00 pm | **Commercial and Unregulated Uses of Stem Cells for Neurological Disorders**  
Gerhard Bauer. Associate Adjunct Professor & Laboratory Director, GMP Facility, UC Davis  
Paul Knoepfler, PhD. UC Davis  
Moderator: Lisa Ikemoto, JD. Professor of Law, UC Davis |
| 2:10 pm | Closing Summary |
| 2:30 pm | Adjournment |