

# DER Update



**Catherine Y. Spong, M.D.**

***Eunice Kennedy Shriver* National Institute of Child  
Health and Human Development**

**June 5, 2014**

**NACHHD COUNCIL MEETING, Bethesda MD**



*Eunice Kennedy Shriver* National Institute  
of Child Health and Human Development

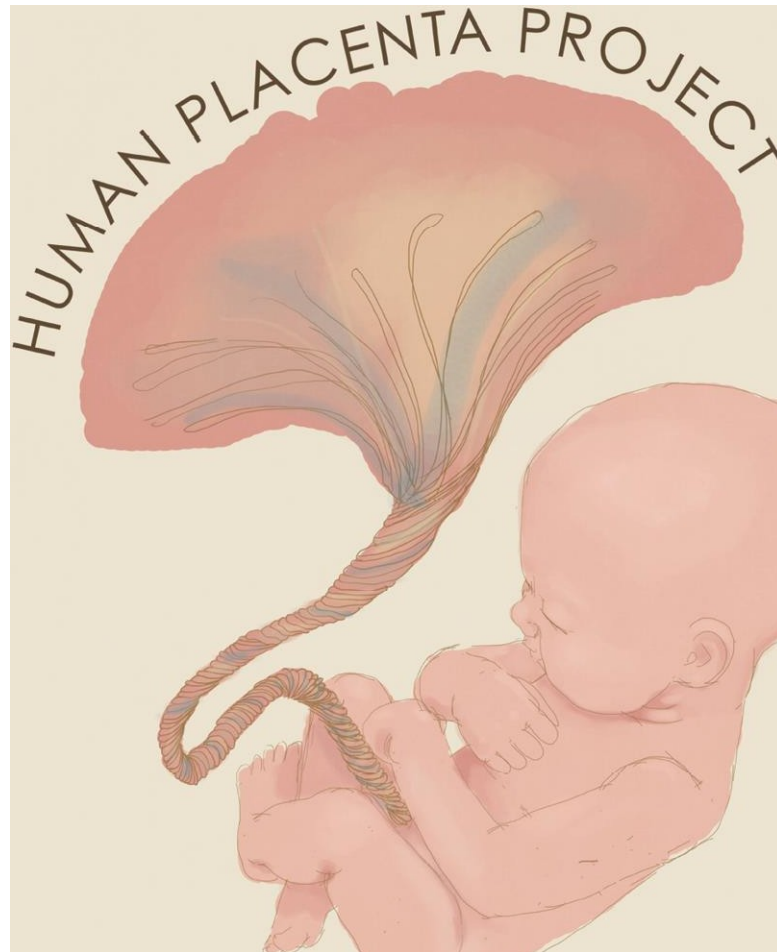
# DER Update



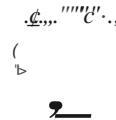
- Human Placenta Project
- Contraceptive Research Review
- Pregnancy Registry
- Staffing and Operations
- PTCIB

# Human Placenta Project





# PLACENTAL STRUCTURE AND FUNCTION IN REAL TIME





# NICHD CONTRACEPTIVE RESEARCH REVIEW



# Contraceptive Research Review



- Research on contraceptive development and use integral to NICHD mission
- As one of the few entities funding contraceptive research and development, NICHD has responsibility for reviewing its program to ensure goals are being met and to adapt to changes/progress in the field.
- Given current fiscal constraints and the dearth of research in the private sector, assessment of NICHD's research portfolio now is particularly timely to identify the areas of contraceptive research that NICHD should pursue in the future.

# NICHD Contraceptive Research Review

- Panel identified

- Greg Kopf PhD, co - chair
- Melissa Gilliam MD, co – chair



- In-person meeting scheduled for Sept 2014

# Pregnancy Registry



# Pregnancy Registry Project

- National pregnancy registry
- To learn more about the range of physical and emotional experiences, alterations in behavior that women have during pregnancy and after giving birth, the impact of these experiences on women's lives, and the perinatal challenges encountered by special sub-populations of women.

# Pregnancy Registry Project

- Collaborators' meeting: June 30
  - Harness crowd-sourcing to collect information from women about personal experiences of pregnancy
  - Provide information from trusted sources about pregnancy and its complications
  - Serve as a large, epidemiologic research database
  - Provide a pool of potential recruits for clinical studies

# Pregnancy Registry Project

- How might a national pregnancy registry be similar to or different from other registries in content, structure, and function?
- How do we encourage women to submit their data... and come back to enter data continually throughout their pregnancy?
- What feedback can we give women in the registry – instant feedback and links to vetted resources?

# Pregnancy Registry Project

## Organizations

- AAP
- ACNM
- ACOG
- AWHONN
- BMGF
- Genetic Alliance
- March of Dimes
- Preeclampsia Foundation
- SMFM

## Federal Partners

- CDC
- HRSA
- NIEHS
- NHLBI
- ORWH
- NIMHD
- NICHD

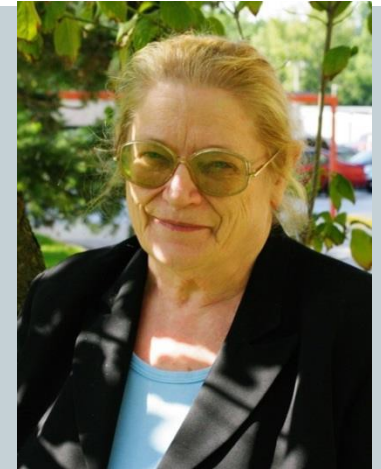
# DER Staffing & Operations



# New & Retiring DER Staff



Robert Tamburro MD  
PTCIB



Mary Lou Oster-Granite PhD  
IDDB



Lisa Halvorson MD  
GHDB



Lynne Mofenson MD  
MPIDB

# Challenges lead to Opportunities



Fall 2012



Spring 2013



Fall 2013



Winter  
2013/14



Summer 2014



# Challenges lead to Opportunities



Fall 2012



Spring 2013



Fall 2013



Winter  
2013/14





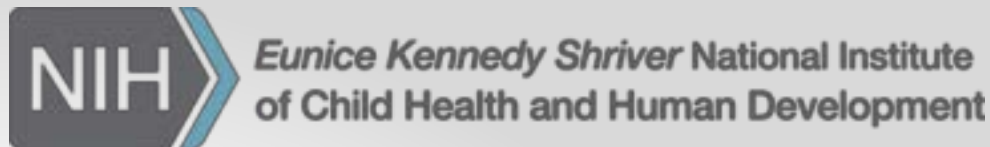
# DER Update: Coping with 6100

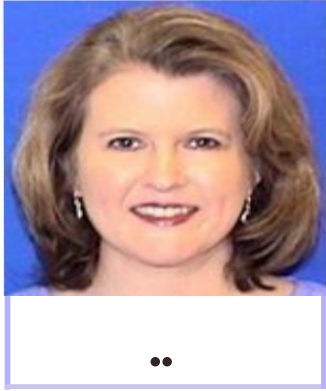


- Telework
  - identification of space for those unable to telework
- Daily communication updates
- Weekly branch chief meetings
- Once space identified: allocating to provide landing spots, conference & meeting rooms
- Relocating meetings scheduled for 6100 space

# Pediatric Trauma and Critical Illness Branch

Valerie Maholmes, Ph.D., CAS  
Chief, Pediatric Trauma & Critical Illness  
Branch





# NICHD Vision

## Implementing the NICHD Vision: Next Steps

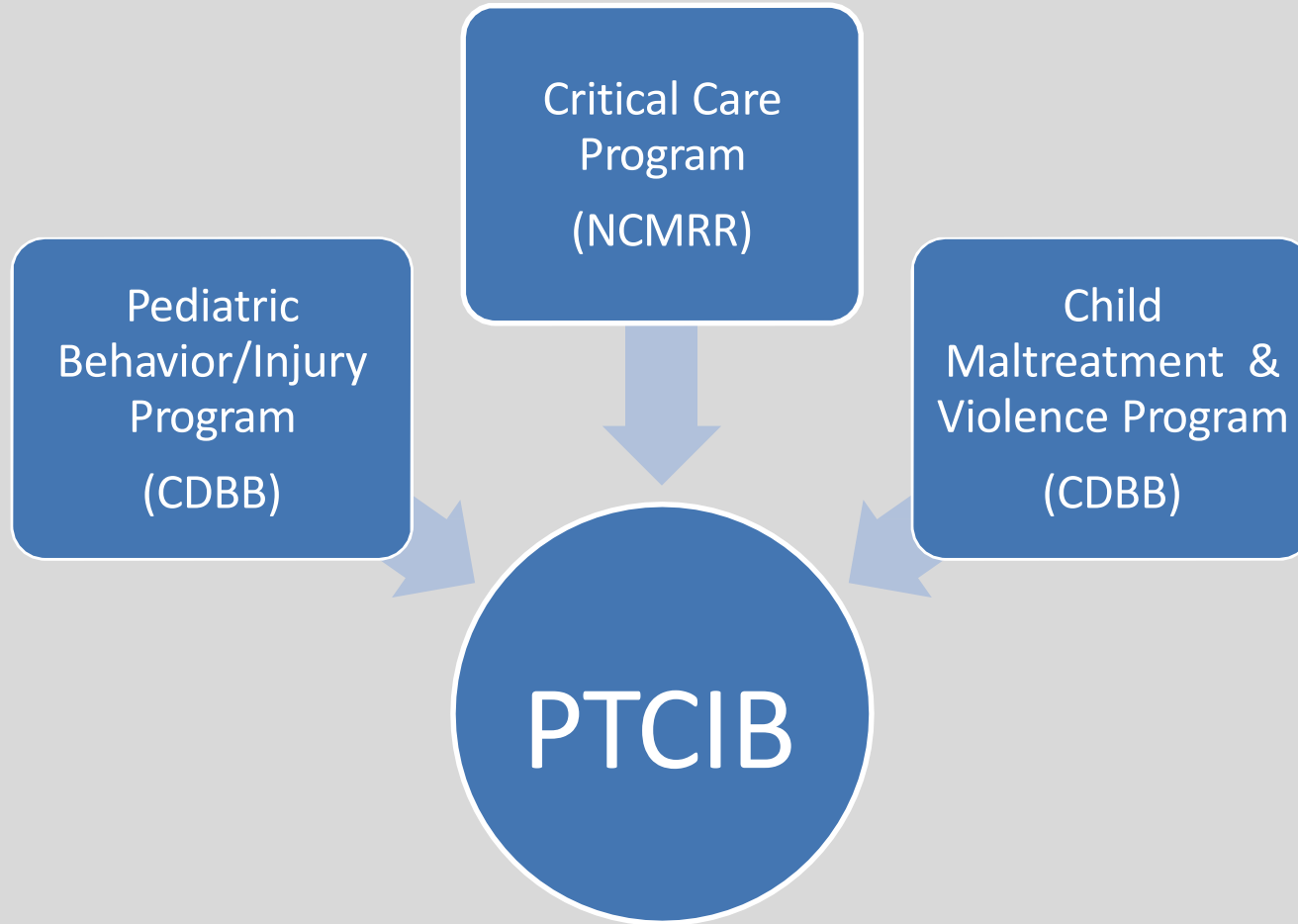


***Eunice Kennedy Shriver*** National Institute of Child  
Health and Human Development



*Eunice Kennedy Shriver* National Institute  
of Child Health and Human Development

# Pediatric Trauma & Critical Illness Branch: New Beginnings



*The Branch supports investigations of the continuum of psychosocial, behavioral, and physiological influences that impact child health outcomes in trauma, injury, and critical care.*

# Four Pillars of Pediatric Trauma and Critical Illness Branch

## Pediatric Trauma & Emergency Care

- Supports research on prevention, treatment, management, and outcomes of physical and psychological trauma and the surgical, medical, psychosocial, and systems interventions needed to improve outcomes for children across the developmental trajectory. Studies illuminating the early detection and accuracy of diagnosis in all acute forms of abuse, neglect, or other forms of acute violence exposure.

## Pediatric Injury & Violence

- Supports research on intentional and unintentional injuries as well as acute abusive injuries in the medical, social service, or judicial settings; behavioral and physiological systems underlying management of acute traumatic injury and the efficacy of social systems providing intervention resources to injured children and their families; studies of unintentional injuries, including but not limited to falls, concussion, fire-related burns and inhalation injuries, drowning, poisoning, animal bites, motor vehicle injuries, and self harm as well as the emergency medical response to these injuries

## Pediatric Critical Care

- Focuses on research that links PCC medicine and science to the epidemiology, prevention, and treatment of childhood disabilities. Sponsors research on all aspects of PCC—including but not limited to critical analyses of outcomes for children who are survivors of trauma, congenital anomalies, neonatal asphyxia, infectious processes, septic shock. Also supported is a national faculty training and career development program that develops successful pediatric critical care physician scientists conducting research to enhance the scientific understanding, clinical management, and rehabilitation of pediatric critical illness.

## Collaboration

- Challenges in the treatment and care of critically ill and vulnerable children are very complex. Of necessity, a broad array of resources – fiscal, material and intellectual – as well as multidisciplinary perspectives and approaches will be needed to address these compelling public health problems. The Branch will actively seek opportunities to collaborate with other NIH ICs, agencies and organizations to help accomplish its mission and goals.

# Listening Tours...



# Conferences and Meetings

- Inaugural Meeting on Abusive Head Trauma: Reviewing the Evidence
- The Special Health Care Needs of Military Children and Their Families
- Branch Strategic Planning Meeting



# Branch Strategic Planning

In the next 3-5 years

- What are the unique contributions the Program Areas/Branch can make to the NIH? The field?
- How can multidisciplinary research best be encouraged? Where are there opportunities for collaboration?
- What important questions could the Branch address that require multidisciplinary research (and research training?)
- What areas are well poised for translational or intervention research to move empirical evidence into practical/clinical application?

# Strategic Considerations

- **Workforce Issues**

- Building researcher capacity through training and career development mechanisms
- Supporting mid-career and senior investigators with protecting time for mentoring or re-specialization
- Foster more diversity in the fields supporting pediatric trauma and critical care research

- **Research Collaborations**

- Foster collaborative and multidisciplinary research
- Use of multi-site or center based funding mechanism

# Strategic Considerations

- Education and Training

- Encourage the use of Institutional training mechanisms
- Encourage Curriculum development and training institutes
- Use of scientific meetings and conferences

- Innovation and Discovery

- Encourage high risk, high pay-off studies
- Encourage more R & D to develop tools and technologies

# Hopeful for Bright Future for Vulnerable and Critically Ill Children!



# Thank You!



*Eunice Kennedy Shriver* National Institute  
of Child Health and Human Development