



## ***Infections in the High Risk Newborn Infant Workshop – Co-sponsored by NICHD, NINDS, Office of Rare Diseases***

**Thursday August 7, 2008**

**8:30 AM -Welcome and Introductions: Dr. Rosemary Higgins, Dr. Carol Baker, Dr. Tonse Raju**

### **Biology of neonatal infections- Dr. Tonse Raju - Moderator**

- 9:00 AM Neonatal Neutrophils: Rebels with a Cause - **Dr. Joyce Koenig**  
9:30 AM Organism virulence, antibiotic resistance and its impact on neonatal infection -**Dr. Karen Puopolo**  
10:00 AM Positive cord blood cultures for genital mycoplasmas in preterm infants born less than 32 weeks, genital tract carriage of MRSA in our population and data on risk for MTCT-**Dr. Bill Andrews**  
10:30 AM Etiologic Agents: Prevalence, Niches and Prevention – **Dr. Carol Baker**

10:30-10:45 am **BREAK**

### **Prevalence and magnitude of neonatal infection – Dr. Tonse Raju - Moderator**

- 10:45 AM Pediatrix – **Dr. Reese Clark**  
11:15 AM Vermont Oxford Network with focus on prevention– **Dr. Bill Edwards**  
11:45 AM Kaiser – **Dr. Karen Puopolo**  
12:15 PM NICHD Neonatal Research Network – **Dr. Barbara Stoll**

**12:15-1:00 PM – Lunch – Dining Area – Main Building**

### **Prevention of neonatal infection – Dr. Carol Baker - Moderator**

- 1:00 PM Role of central lines -**Dr. Lisa Saiman**  
1:30 PM Surveillance of nosocomial infections through the CDC's Systems, past, present, and opportunities - **Dr. Fernanda Lessa**  
2:00 PM The Developing Intestinal Micro biome and Neonatal Infections – **Dr. Joseph Neu**

## **Prevention of neonatal infection – Dr. Carol Baker – Moderator (Continued)**

- 2:30 PM New Concepts in Prebiotics: Beyond Fructooligosaccharide and Galactooligosaccharides Prebiotics – **Dr. Michael Sherman**
- 3:00 PM NICU practices –antibiotic stewardship– **Dr. Lisa Saiman**

3:30-3:45 pm **BREAK**

## **Diagnosis of infection and tools for diagnosis – Dr. Rosemary Higgins - Moderator**

- 3:45 PM When to work up, when to start therapy, when to perform LP –**Dr. Ann Stark**
- 4:15 PM Detecting bloodstream infections using PCR and Pyrosequencing–**Dr. Jean Jordan**
- 4:45 PM Heart rate characteristics monitoring for early diagnosis of neonatal sepsis – **Dr. Randall Moorman**
- 5:15PM Proteomic profiling for perinatal and neonatal infections - **Dr. Srinivasa Nagalla**

**5:45 PM – Adjourn for day 1**

**Friday, August 8, 2008**

## **Specialized areas of infection – Dr. Rosemary Higgins - Moderator**

- 8:30 AM Neonatal Candidiasis Update: Where Do We Go From Here – **Dr. Daniel Benjamin**
- 9:00 AM Strategies to prevent neuronal damage in paediatric bacterial meningitis- **Dr. Stephen Leib**

## **Outcome from Infection – Dr. Rosemary Higgins - Moderator**

- 9:30 AM Neonatal – acute in-hospital outcomes and 18-22 month FU in ELBW's – **Dr. Barbara Stoll**
- 10:00 AM Neurodevelopmental F/U in 24-32 week births after in utero exposure to inflammation/infection - **Dr. William Andrews**

**10:30- 11 AM Break**

- 11- 12 PM Summary of Gaps in Knowledge and Opportunities for Research  
**Biology of neonatal infections**  
**Prevalence and magnitude of neonatal infection**

1-2:30 PM Summary of Gaps in Knowledge and Opportunities for Research  
and Opportunities for Research  
**Prevention of neonatal infection**  
**Diagnosis of infection and tools for diagnosis**  
**Specialized areas of infection**  
**Outcome from Infection**

**2:30 PM ADJOURN**