



**UNC Human Brain and Humanity Collaborative:
Tackling Adolescent Mental Health outcomes through an
interdisciplinary perspective
Carolina Seminar Series
September 11, 2017
219 Brinkhous-Bullitt
Meeting Notes**

Present Conveners: Alice Ammerman, Aysenil Belger, Karen Bluth, Karen Demby, Paul DeMello, Ali Calikoglu, Steven Hooper, Desiree Murray (phone), Ronni Zuckerman.

- I. Introductions**
- II. Discussions**

GOALS: Conveners discussed the Goals/Objectives/Themes to be explored during year 1 of the BHC Carolina Seminar:

The overarching goal of this seminar series is to develop a series of themes, and converge upon 3 core thematic priorities that can be explored to develop future grant applications (e.g. center grant, or other collaborative grant proposals). The conveners will also formulate an application to the UNC Creativity Hub RFA. The conveners suggested the following themes and topics of interest for future seminar discussions (open for discussion/editing).

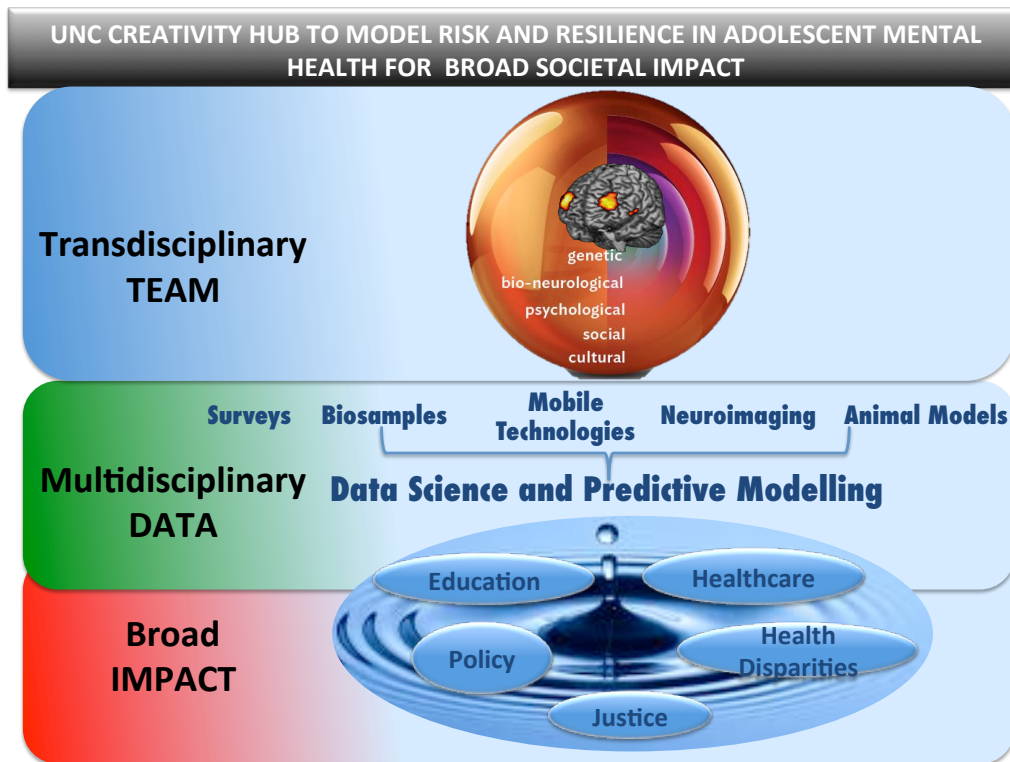
- Brain:
 - Impact of early adversity on Adolescent Brain Maturation
 - Impact early life adversity on adolescent mental health
 - Brain Injury and mental health outcomes (Kevin Guskiewicz—adolescents and sports)
 - Generational stress
 - Social anxiety and mood disorders in adolescence
 - Reward and Adolescent risk/resilience
- Environment:
 - Puberty and adolescent mental health
 - Nutrition and the adolescent brain maturation, and eating disorders. Neural, social, environmental correlates of eating disorders in adolescents.
 - Social Media
 - Genetic/epigenetic modulators of brain/behavior
- Intervention/Chronic disease/Medicine:
 - Addiction (ex. Opioid addiction)
 - Exploring mental health outcomes in adolescents with chronic disease
- Data Science:
 - Modelling complex nonlinear trends
 - Multiple determinants/cumulative risks
- Policy:
 - Understanding the neurobiological basis of juvenile crime and justice
 - Rural health/community health: bringing early detection – risk identification to communities

MEETING FORMAT: We will alternate between seminar style discussions, with a speaker and a topic, and team/project/grant building activities. Accordingly Jan, Feb, March would be in the context of the regular meeting. During other months, such as October and May, the activities would take the place of the meetings....

TARGET PRODUCT: Our team will begin exploring themes that can be identified and cultivated to form an application for the soon-to-be-announced “UNC Creativity HUB” Initiative. In addition, we will also

explore topics to coalesce on smaller grants or more comprehensive center grant applications to be developed in years 2 and 3.

FIGURE BELOW IS A POTENTIAL MODEL, AND ONLY REPRESENT AS A STARTING DISCUSSION POINT.



III. Future Activities

- **October:** 10TH AND 17TH HUB APPLICATION DISCUSSION
 - attend Gender day and bring back highlights to conveners to inform selection of priority themes
- **November:** Speaker on risk/trauma and National Prevention Science Coalition – Diane Fishbein and Taylor Bishop Prevention science, share expertise on how to communicate to policy makers.
- **January:** Meeting with Program officers to identify priorities. Skype
- **February:** Conveners meet to discuss and flesh out proposed themes
- **March:** Karen Demby, from TraCS Team Science will facilitate a process to prioritize and select themes, to assist with large multidisciplinary grant preparation.
- **May:** UNC Adolescent research day – poster session/with 3 speakers? TraCS Team Science and TraCS communications will help.

IV. Action Items

1. **OCTOBER 10 AND OCTOBER 17:** NEXT MEETINGS TO BEGIN DISCUSSION FOR POTENTIAL APPLICATION TO THE UNC CREATIVITY HUB
 - Add proposal, agenda, minutes, and readings to website (**please send to Erica: Erica_nouri@med.unc.edu**)
 - Solicit names of speakers