




The Role of Emotion Regulation in Transgenerational Transmission



Historical Context: Emotion Regulation in Children at Family Risk for Depression

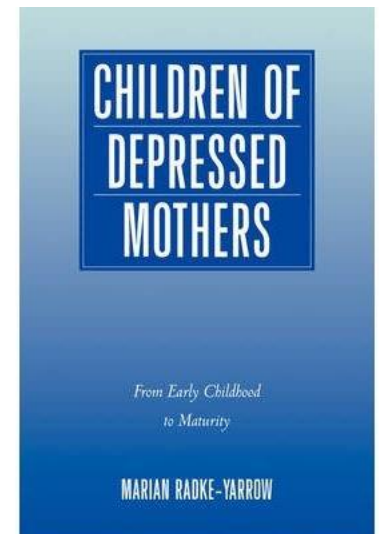
Bonnie Klimes-Dougan, Ph.D., LP
University of Minnesota
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Early Longitudinal “Offspring” Studies

- **Myrna Weissman** (Columbia University)
 - Diagnostic follow-up (20 years +)
- **Arnold Sameroff** (University of Michigan)
 - Transactional Models
- **Constance Hammen** (UCLA)
 - Stress Models
- **Emmy Werner** (UC-Davis)
 - Resilience (Kauai Longitudinal Study)

Marian Radke-Yarrow (NIH)

- Developmental Psychopathology
- Ecologically Valid Approaches
- Focus on Emotional Contexts
 - (1) Carolyn Zahn-Waxler (empathy)
 - (2) Grazyna Kochanska (temperament)



Marian Radke-Yarrow (NIH)

(3) Bonnie Klimes-Dougan

Self-regulation cascades (Klimes-Dougan et al, 2010)

Coping (Klimes-Dougan & Bolger, 1998)

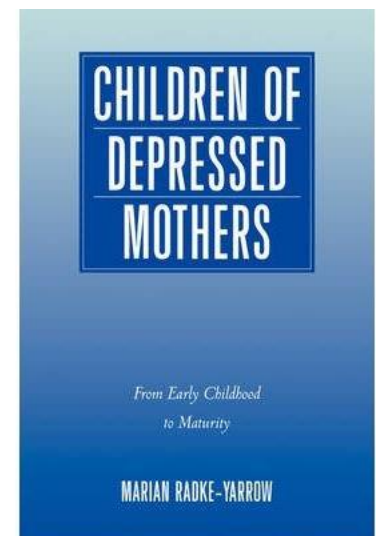
Suicide risk (Klimes-Dougan, 1998, Klimes-Dougan et al,1999; Klimes-Dougan et al., 2008)

Executive Functioning (Klimes-Dougan et al, 2006; Meyer et al.

HPA axis (Ronsaville et al., 2004; Klimes-Dougan et al., 2022)

Neural mechanisms (Mirza et al., in progress)

Multiple Levels of Analysis Approaches



Children of Depressed Mothers: Study Design

- Longitudinal (early childhood through early adulthood)
- Comprehensive, Multimethod Assessments (emotional, interpersonal, cognitive, and biological domains of functioning)
- Family Participants
 - 30 families with well parents
 - 26 families with a mother diagnosed with Bipolar Disorder
 - 42 families with a mother diagnosed with Major Depression
- Child Participants
 - 2 siblings from each family were participants; younger and older cohort males = 50% and 42%
- Demographics
 - Ethnicity/Race (86% Caucasian, 11% African American, 2% Asian, 1% Latino)
 - Middle/Upper Middle Class SES (e.g., College Grads = 75%)

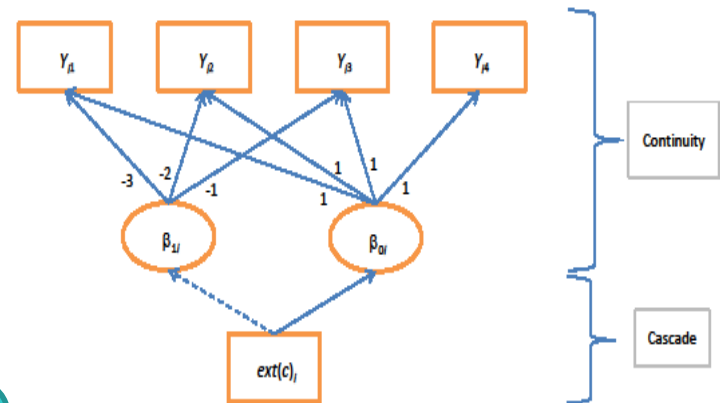
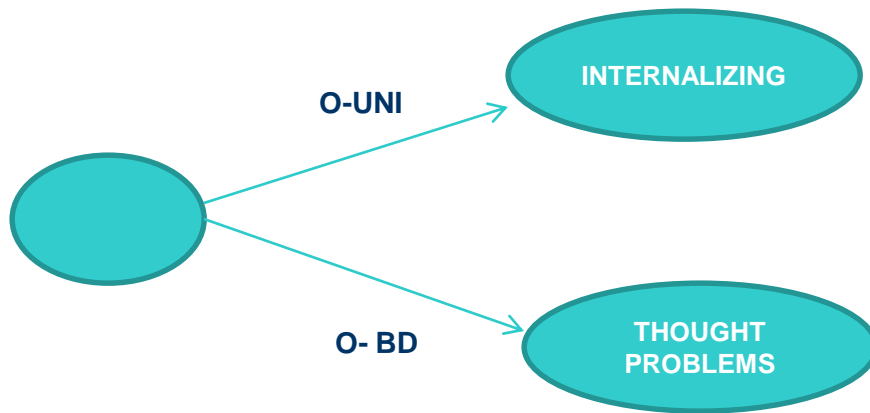
NIMH Children of Depressed Mothers: Prospective Longitudinal Design

	AGE	
	Younger Cohort	Older Cohort
Time 1	2.63	6.36
Time 2	5.54	9.29
Time 3	9.26	13.03
Time 4	13.87	17.67
Time 5	20.79	23.79

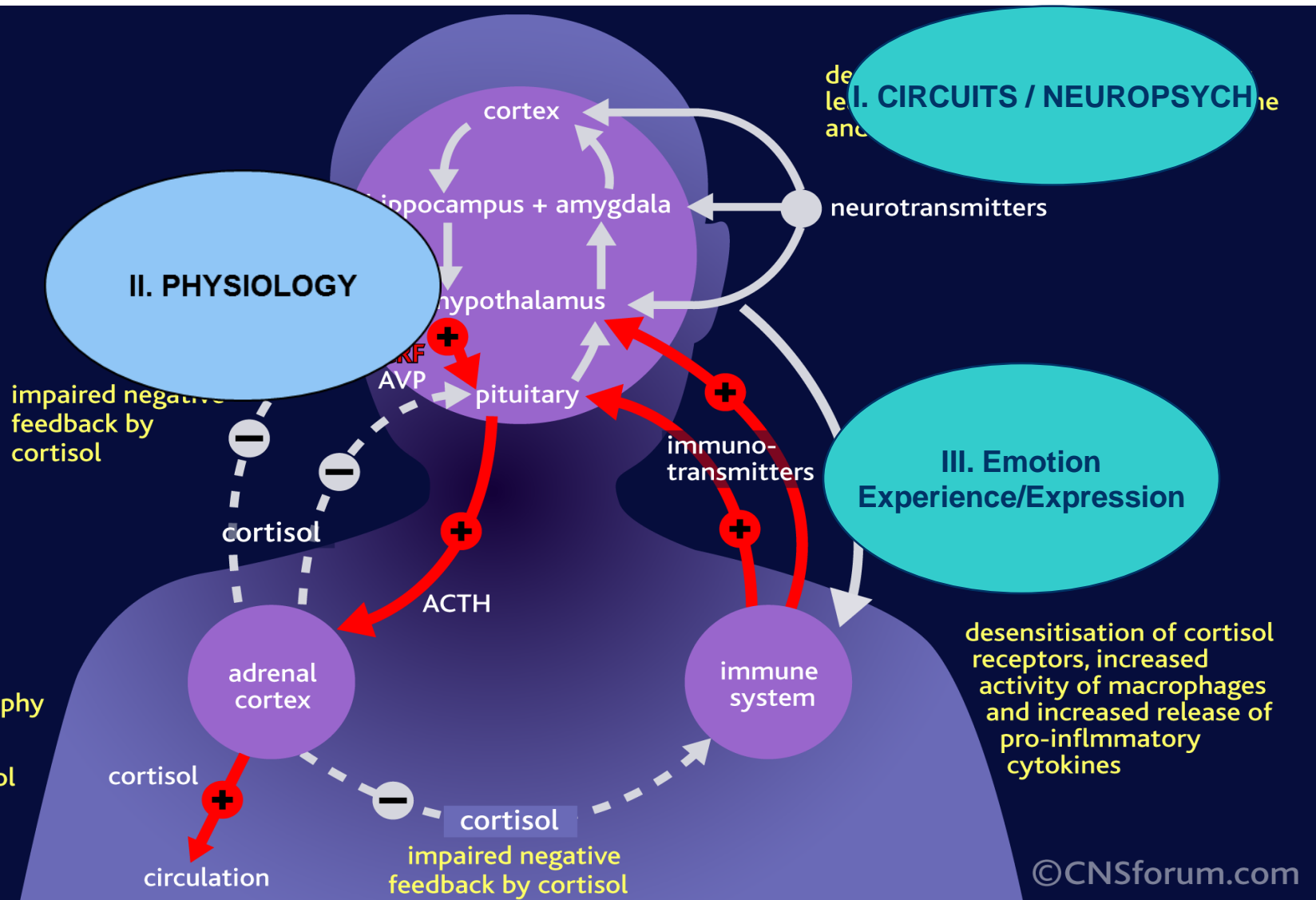
Cascade Findings

POOR SELF-REGULATION

OUTCOMES



Multi-Level Threat System



The Role of Emotion Regulation in Transgenerational Transmission

- The Interplay Between Emotion Regulation and Cognitive Biases in Youth at Risk for Depression
 - Dr. Anca Sfaerlea
 - University Hospital LMU Munich, Germany

The Role of Emotion Regulation in Transgenerational Transmission

- Examining the Temporal Dynamics of Emotion Regulation in Adolescents with Depression and at High and Low Risk Based on Maternal History
 - Prof. Autumn Kujawa
 - Vanderbilt University, USA

The Role of Emotion Regulation in Transgenerational Transmission

- Electrocortical Reactivity to Emotional Faces in Mother-Daughter Dyads: The Moderating Roles of Emotion Regulation Styles and Maternal Depression
 - Prof. Katie Burkhouse
 - Nationwide Children's Hospital Ohio, USA