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Child Study Center's 2010 Lois Bloom Lecture

Dr. W. Thomas Boyce

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"The Biology of Misfortune: *How Biology, Behavior and Environment Create the Social Partitioning of Health"*

THURSDAY, SEPTEMBER 23, 2010 4:15 P.M. • THE NITTANY LION INN ASSEMBLY ROOM

RECEPTION TO FOLLOW IN THE FACULTY/STAFF CLUB

Liability to persistent health conditions, such as presyndromal psychopathology, chronic biomedical disease, and developmental disorders, is not evenly distributed within groups of children. Rather, a small segment of the childhood population bears a disproportionate burden of the overall risk for mental and physical morbidities. A growing body of work suggests that this excessive risk for disorder is co-determined by: a) compromised early environments, such as those found in impoverished families and communities, b) experiences of subordination and social marginality, and c) a neurobiological sensitivity to social context operating at the levels of behavior, neural circuitry and gene expression. Taken together, these interactive risk factors delineate a biology of misfortune that places some children on developmental trajectories toward lifelong patterns of ill health and unrealized potential.



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