FY 2003 HEALTHY HOMES TECHNICAL STUDIES GRANTEES

University of Illinois at Urbana-Champaign, IL

This project will examine dwellings commonly found in Native American and other communities that have shallow sloped roofs with inadequate space for insulation between the top of the wall and the roof. The resulting cold temperatures on interior wall surfaces could cause moisture accumulation, which could result in mold growth along the top of the wall. The applicant is partnering with the Turtle Mountain (SD) Housing Authority and will test three cost-effective approaches to remedy this problem.

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Georgia Tech Applied Research Corporation, Atlanta, GA

The applicant has teamed with industry partners, including the Air Conditioning & Refrigeration Technical Institute and a firm that provides mold remediation services, to conduct laboratory experiments to determine the feasibility of using radar to identify significant hidden moisture accumulation and mold growth. The applicant will also interview potential users to identify key operational requirements for portable mold detectors and they will also conduct a preliminary evaluation of the cost and feasibility of X-ray and gamma-ray technologies for detecting hidden mold growth.

Contact: Victor R. DeJesus
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Tulane University, New Orleans, LA

The applicant proposes to recruit caregivers of 88 asthmatic children from an inner city asthma clinic and randomize them into two study groups. One group will be visited 5 times by the paraprofessionals who will provide intensive education and supplies related to reducing levels of household allergens and dust-lead, and the other group will receive standard

Contact: Felicia Rabito
Tulane University
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University of Minnesota, Minneapolis, MN

The applicant proposes a 24-month project to study variability in levels of common allergens over time both within and between homes to determine the ability of a visual assessment tool to predict the presence of elevated allergen levels and to examine the efficacy a low cost cleaning intervention to reduce allergens

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