**Project Title:** Item and Construct Identification (Systematic Review) for the Development of a Measure of Vaccination Attitudes, Beliefs, and Concerns  
**Code:** SPH7

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<th>Host School/Institute</th>
<th>Address: Sydney school of Public Health at the Children’s Hospital at Westmead, Westmead, 2145</th>
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**Personal Supervisor:** Dr Harold Willaby

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**Co-supervisors:** Associate Professor Julie Leask

**Project Type:** Literature Review

**Project Category:** Public Health, Immunology & Infection, Health behaviour and Decision making

**Project Keywords:**

1. Systematic Review
2. Public Health
3. Psychometric Scale Development
4. Health Decision Making
5. Immunisation

**Project Description:**

The successful summer scholar will gain experience in the formative development of a world first validated measure of the cognitive and social influences of vaccine hesitancy. The scholar will be supervised by a cognitive psychology researcher who has a dual appointment with Sydney Medical School and the National Centre for Immunisation Research and Surveillance.

This project will directly contribute to a larger program currently being developed in consultation with state and commonwealth health departments which represents the best efforts to date to understand and predict vaccine uptake. A preliminary literature search has already identified approximately 150 published articles which are relevant to the formative development of this measure.

The scholar will undertake a systematic and rigorous analysis of the contents of the identified articles. Under guidance of the primary supervisor, the scholar will then apply the results of this analysis to the development of a model of the cognitive and social influences of vaccine hesitancy. The structure and composition of that model will form the foundation of the eventual measure.

This project will suit students with an interest in health decision-making, risk communication, the psychological aspects of provider-parent interactions, and the use of psychometric measures. The project will offer a hands-on, independent research experience that is representative of practical public health academic research grounded in psychology. At the completion of this project, the scholar will have a developed sound literature review skills, and gained a practical knowledge of vaccination decision making, particularly among parents of infants and young children.