

Workshop on:

# “Correlates of Protection”



Global Vaccine Research Forum  
Bamako, Mali  
6 – 9 December 2009

# Why?

- Important implications for basic research
- “ “ “ vaccine licensure
- “ “ “ monitoring
- Inconsistencies in terminology
- Disagreements about methods

# Objectives

- To consider terminology
- To review methods/ approaches for the evaluation of correlates of protection.
- To review evidence regarding correlates for selected vaccines.

# Agenda

|                    |                    |   |
|--------------------|--------------------|---|
| <b>0915 - 0945</b> | <b>S Plotkin</b>   | Correlates of vaccine induced immunity... <b>overview</b>   |
| <b>0945 - 1015</b> | <b>D Goldblatt</b> | <b>Immunological perspective</b> .... Bacterial polysaccharide.....   |
| .....              |                    |   |
| <b>1045 - 1115</b> | <b>P Ndumbe</b>    | <b>Epidemiological perspective</b> ... study designs .....  |
| <b>1115 - 1145</b> | <b>N Baylor</b>    | <b>Regulatory perspective</b> ... correlates, surrogates and licensure  |
| <b>1145 – 1215</b> | <b>N Andrews</b>   | Reevaluating the use of correlates – serological basis for use of <b>meningococcal C</b> vaccines in UK         |
| -----              |                    |   |
| <b>1300- 1400</b>  | <b>S Viviani</b>   | Using composite correlates to inform licensure ....Serological correlates to evaluate... <b>meningococcal A</b> |
| <b>1400 – 1430</b> | <b>P Bejon</b>     | Combining humoral and cellular.... <b>malaria</b> vaccines  |
| .....              |                    |   |
| <b>1500 – 1530</b> | <b>S Parida</b>    | Combining cellular immune readouts - <b>TB</b> vaccines   |
| <b>1530 – 1600</b> | <b>S Thomas</b>    | <b>Review of methods</b> to define correlates   |
| <b>1600 – 1630</b> | <b>All....</b>     | <b>Discussion, conclusions and next steps</b>   |

# Agenda

|             |             |   |
|-------------|-------------|---|
| 0915 - 0945 | S Plotkin   | Correlates of vaccine induced immunity <b>overview</b>  |
| 0945 - 1015 | D Goldblatt | <b>Immunological perspective</b> .... Bacterin polysaccharide....   |
| .....       |             |   |
| 1045 - 1115 | P Ndumbe    | <b>Epidemiological perspective</b> ... study designs .....  |
| 1115 - 1145 | N Baylor    | <b>Regulatory perspective</b> ... correlates, surrogates and licensure  |
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| 1500 – 1530 | S Parida    | Combining cellular immune readouts - <b>TB</b> vaccines   |
| 1530 – 1600 | S Thomas    | <b>Review of methods</b> to define correlates   |
| 1600 – 1630 | All....     | <b>Discussion, conclusions and next steps</b>   |

Discussion time

**The Problem**  
is to fit these together ....



# “Desirables”

- outline of appropriate methods for the identification / confirmation of correlates / surrogates.
- identification of critical knowledge gaps ... and methods to fill them ....
- impetus towards a research agenda