Vaccinology in Africa
A five-day Master's level course

2nd - 6th September 2013
Noguchi Memorial Institute for Medical Research, Accra, Ghana

Jointly organised by the Jenner Institute, Fondation Mérieux and Noguchi Memorial Institute for Medical Research, the course will be covering the main aspects of vaccinology, the vaccine development process, biomanufacturing and well as regulatory and ethical issues.

The faculty will be high-profile lecturers drawn from the University of Oxford's Vaccinology Programme, the Fondation Mérieux's Advanced Course of Vaccinology (ADVAC) and West African vaccine experts. The course resonates with the 'One Health' agenda - highlighting human and veterinary links and synergies from scientific, technological and regulatory perspectives.

The course is aimed at students, researchers and professionals resident in Africa. Delegate numbers will be limited to 30 participants. Translation into French will be available. The deadline for applying is 8th July 2013.

To apply please visit: www.jenner.ac.uk/vaccinology-in-africa
Enquiries to: jenner-applications@ndm.ox.ac.uk

The course is supported by the Jenner Vaccine Foundation, the Fondation Mérieux and GlaxoSmithKline Vaccines.

How to apply:

Participation is competitive and places are allocated based on individual applications.

15 bursaries are available which will cover the course fee, accommodation and meals during the course.

A further 15 bursaries are available for those living further afield which will also include travel expenses.
PRELIMINARY PROGRAMME

Principles of Vaccinology
- Overview of human and veterinary vaccinology
- Public health and vaccines: a WHO perspective
- Men-A conjugate: a vaccine for Africa
- Vaccine immunology
- Regulatory and ethical issues in vaccine development and deployment
- The vaccine biomanufacturing process
- The vaccine development pathway - a company perspective

Vaccine Technologies and their Development
- Policy development and new vaccine introduction
- Immunogenicity & correlates of protection
- Adjuvants for vaccines
- New technologies: vectored vaccines
- Public and Media perception of vaccines
- Conjugate and other pneumococcal vaccines
- Reverse vaccinology for new meningococcal vaccines
- Workshop on vaccine design

Major Vaccine Targets
- HIV vaccines
- Tuberculosis vaccines
- Malaria vaccines
- Influenza vaccines
- Veterinary vaccines: some major needs
- PPR and RSV vaccines
- Vaccines for typhoid and other enteric diseases

Vaccine Development and Clinical Trials
- Phase I trials in the vaccine's country of origin
- Vaccine testing in semi-immune populations
- Good Clinical Practice in African trials
- Vaccine immunogenicity & correlates of protection in field trials
- Veterinary vaccine development
- Foot and mouth disease vaccines
- Immunomonitoring in endemic areas - tutorial session

Vaccine Development in Developing Countries
- Pre-clinical to Phase I trials in developing countries
- Aspects of the design of vaccine trials
- Epidemiology for vaccine field trials
- Large scale intervention trials
- Analysis of vaccine trials
- Large scale funding opportunities: EDCTP, Gates and others
- Vaccines: need and opportunities
- Round - up session and feedback

Confirmed Speakers

Prof Daniel Dodoo (Noguchi Institute)
Prof Fred Binka (University of Ghana)
Dr Bryan Charleston (The Pirbright Institute)
Dr Helen Fletcher (Jenner Institute)
Prof Sarah Gilbert (Jenner Institute)
Prof Giuseppe del Giudice (Novartis Vaccines & Diagnostics)
Prof Sir Brian Greenwood (London School of Hygiene & Tropical Medicine)
Prof Adrian Hill (Jenner Institute)
Prof Kwadwo Koram (Noguchi Institute)
Dr Paul Milligan (London School of Hygiene & Tropical Medicine)
Prof David Salisbury (UK Department of Health)
Dr Geraldine Taylor (The Pirbright Institute)