

## Curriculum: Mark Wainberg Fellowship Programme

### STRUCTURE

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#### 1. Epidemiology

- The HIV and AIDS epidemic: global and regional
- Immunology and natural history of HIV
- Socio-cultural aspects of HIV and AIDS (migration, poverty, workplace, stigma & discrimination)
- Integration of HIV into healthcare systems

#### 2. Clinical practice

- Strategies for HIV prevention (focus on PrEP and PEP)
- Therapeutic management and monitoring of HIV and AIDS including the new long-acting regimens
- Differentiated service delivery with a focus on key populations
- Interface with other sexually transmitted infections and other blood borne viral infections
- Interface with non-communicable diseases
- Management of HIV associated conditions (including TB)
- HIV drug resistance
- Drug interventions, including drug-drug interactions and drug-related toxicities
- Infection control
- Antibiotic stewardship
- Advanced HIV disease
- HIV and aging
- Comprehensive care for people living with HIV and AIDS (including quality of life, well-being, mental health)
- Prevention of mother to child transmission

#### 3. Research and implementation science

- Research methodology including clinical trials and cohort analysis
- Research impact
- Evaluation of research
- Writing research proposals, grants and abstracts
- Social responsibility and ethics
- Digital and telehealth approaches to services deliver
- Introduction to Implementation science
- HIV cure research considerations
- Clinical Research Ethics

#### 4. Policy development and advocacy

- Principles of policy development
- HIV advocacy and communication
- The process and content of an HIV and AIDS policy
- Interaction with non-governmental organization (NGOs) and patient advocacy groups
- Integration of HIV in global health
- The general macro-economic impact of HIV and AIDS

### OUTCOMES

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By successfully completing the comprehensive fellowship programme, the fellows will be trained as specialists in HIV and AIDS. The programme will provide:

- Exposure to different management and care systems;
- Management of HIV and non-communicable diseases in different settings;

- Understanding of trials, cohorts and case studies and published audit reports;
- Guidance on how to apply for a research grant;
- Guidance on writing up research, audit, case reports and how to get published;
- Presentation of original research (e.g. abstract presentation at a conference);
- Knowledge of the global health epidemic, economic impact and major drivers of HIV funding;
- Contact and collaboration with NGO and patient advocacy groups;
- Understanding of novel vaccine and cure research;
- Distinction between key population groups and their needs;

#### TEACHING MODES

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- Face to face teaching through academic courses
- Regular meetings with mentors
- Development of research projects
- Work in clinics/wards
- Teleconferences and e-learning
- Attending International AIDS Conference and IAS Conference on HIV Science
- Projects that enable students to apply the knowledge, skills and attitudes learned