



Driving Reduced AIDS-associated Meningo-encephalitis Mortality



European Commission

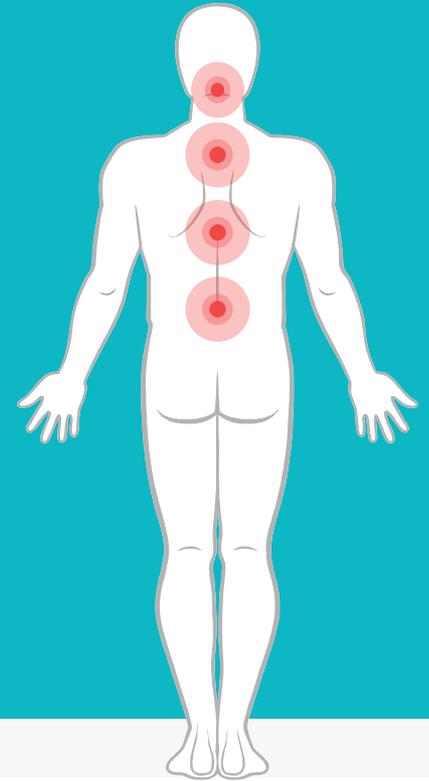
Horizon 2020  
European Union funding  
for Research & Innovation



# DREAMM

# Clinical Training

**Education programme overview**





## Audience and aims

- ▶ The DREAMM education programme and all related training materials are intended for health care workers (HCWs) based/working in low and middle income countries (LMICs) across Africa.
- ▶ The DREAMM education programme aims to increase the knowledge of HCWs to effectively diagnose and treat symptomatic people living with HIV (PLHIV) who present with symptoms and signs compatible with a diagnosis of meningo-encephalitis, specifically:
  - ▶ To provide an overview on diagnosing HIV-associated meningo-encephalitis in Africa using current and new diagnostic methods.
  - ▶ To outline the clinical management of HIV-associated meningo-encephalitis.



# Education programme topics

- ▷ General meningo-encephalitis patient management
- ▷ Cryptococcal meningitis - CCM
- ▷ Tuberculous meningitis – TBM
- ▷ Bacterial meningitis – BM
- ▷ Toxoplasmic encephalitis - Toxo
- ▷ Neurosyphilis – NS



# Learning outcomes

▷ *By the end of the 6 module training course, you will be able to:*

1. Recall and differentiate between the basic pathophysiology of the four main causes of HIV-associated meningo-encephalitis in Africa: Cryptococcal meningitis, tuberculous meningitis, bacterial meningitis and toxoplasma encephalitis.
2. Identify and investigate the presenting signs and symptoms of HIV-associated meningo-encephalitis.
3. Perform point-of-care (POC) testing to diagnose the main causes of HIV-associated meningo-encephalitis and correctly interpret the results to inform patient management.



# Learning outcomes

▷ *By the end of the 6 module training course, you will be able to:*

4. Select appropriate treatment and care strategies for PLHIV with meningo-encephalitis.
5. Manage treatment complications of HIV-associated meningo-encephalitis.
6. Identify and treat a rarer cause of HIV-associated meningo-encephalitis: neurosyphilis.



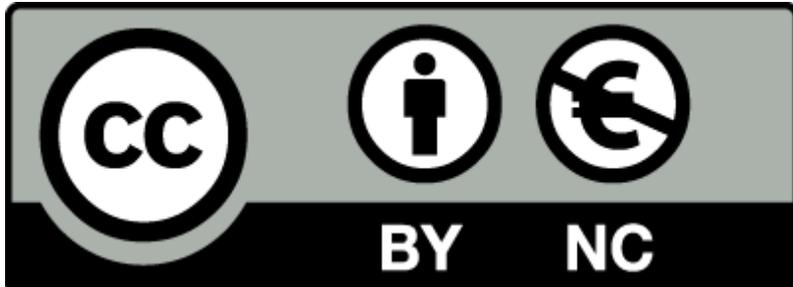
# 7 Authors

- ▶ Module specific contributors are listed in respective training modules.
- ▶ Mr Muirgen Stack and Dr Angela Loyse designed the DREAMM education programme in close collaboration with the three lead DREAMM Principal Investigators (Dr Cecilia Kanyama, Prof Sayoki Mfinanga, Dr Charles Kouanfack) and all routine and research DREAMM staff, including in particular Dr Meshack Shimwela.
- ▶ Members of the DREAMM Project Steering Committee also contributed to the overall vision for the education programme, in particular Professors Robin Bailey, Tom Harrison, Olivier Lortholary, Shabbar Jaffar and Dr Nelesh Govender.
- ▶ Mr Muirgen Stack developed the DREAMM education programme with Ms Aude Sturny Le-Clère leading on the laboratory training aspects.
- ▶ Overall academic and clinical guidance was provided by Dr Timothée Boyer-Chammard, Prof Tom Harrison and Dr Angela Loyse, DREAMM Project Chief Investigator



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