**ALK Technical Training Workshop**

**Friday 30th October 2015
Agenda**

|  |  |  |
| --- | --- | --- |
| Timing | Session | Presenter |
| 09:15 – 09:30 | **Arrival and welcome*** Welcome and introductions
* Aims of the workshop, review agenda
* Housekeeping rules
 | P. Pauwels |
| 09:30 – 11:00 | **ALK gene rearrangements in NSCLC and perspectives on molecular testing in NSCLC*** Summarize the NSCLC treatment landscape and the shift towards personalized therapy
* Describe the ALK pathway and its role as an oncogenic driver in NSCLC, highlighting ALK inhibition as a viable treatment strategy
* Discuss who to test and what to test for: e.g. for *EGFR* mutations and *ALK* rearrangements in all patients – which algorithm to follow?
 | P. Pauwels |
| 11:00 – 11:15 | **Refreshments** |  |
| 11:15 – 11:35 | **Emerging platforms for ALK testing*** Describe the use of PCR and next-generation sequencing techniques for ALK testing
* Discuss the advantages and disadvantages of these techniques, using case studies where appropriate
 | C. Weyn |
| 11:35 – 12:15 | **IHC workshop: Part 1*** Optimal use of available tissue and option of cytology
* Pre-analytical steps
* Technical aspects of ALK IHC testing, discuss how to assess IHC positivity and show examples of positive, negative and false-positive samples
* Describe how ALK IHC was validated/CE-marked
* Explain how the ALK IHC test in NSCLC differs from the ALK IHC test in lymphoma
 | K. Zwaenepoel |
| 12:15 – 12:45 | **Lunch** |  |
| 12:45 – 13:15 | **Concordance between ALK IHC and ALK FISH*** Describe results of correlation studies comparing IHC and FISH results
* Discuss, using case studies, the significance of discordance between ALK IHC and ALK FISH
 | K. Zwaenepoel |
| 13:15 – 14:00 | **FISH workshop: Part 1*** Optimal use of available tissue and option of cytology
* Pre-analytical steps
* Overview of the available FISH testing methods
* Summarize stages in the Vysis ALK Break Apart FISH Probe Kit protocol
* Presentation and discussion on how to interpret and score FISH slides
 | K. Zwaenepoel |
| 14:00 – 14:15 | * **Refreshments**
 | K. Zwaenepoel |
| 14:15 – 15:00 | **GROUP A:****IHC workshop: Part 2*** Practical IHC scoring training around multi-headed microscope

**GROUP B:****FISH workshop: Part 2*** Lab tour
* FISH scoring training (practical scoring training at microscope and computer in small groups)
 | K. Zwaenepoel & S. Lambin |
| 15:00 – 15:45 | **GROUP B:****IHC workshop: Part 2*** Practical IHC scoring training around multi-headed microscope

**GROUP A:****FISH workshop: Part 2*** Lab tour
* FISH scoring training (practical scoring training at microscope and computer in small groups)
 | K. Zwaenepoel & S. Lambin |
| 15:45 – 16:00 | **Summary of training/Q&A/close*** Q&A
* Seek feedback on the sessions
 | P. Pauwels |