Metamorphosis
in Separation Science

Program of the theoretical and practical GC×GC-MS course autumn 2016

Monday, September 26 - Day 1:
2.00-2.30 pm: Registration
2.30-3.00 pm: Course presentation (Mondello, Tranchida, Purcaro, Zoccali, Maimone, Peroni, Pantò)
3.00-3.30 pm: The shortcomings of 1D GC (Mondello)
3.30-5.00 pm: GC×GC: the basics (Purcaro)
5.30-7.00 pm: Welcome cocktail

Tuesday, September 27 - Day 2:
9.00-10.30 am: Method optimization: all the tricks of the trade (Purcaro)
10.30-11.00 am: Coffee break
11.00 am-1.00 pm: GC×GC-MS: three dimensions of separation (Tranchida)
1.00-2.30 pm: Lunch break
2.30-4.00 pm: Flow modulation: a low-costing effective alternative to cryogenic fluids (Tranchida)
4.00-4.15 pm: Coffee break
4.15-5.45 pm: GC×GC softwares (Zoccali, Maimone, Peroni, Pantò)

Wednesday, September 28 - Day 3:
9.00-10.00 am (practical session):
Cryogenic modulation: setting up and optimization (Group 1 - Zoccali)
Flow modulation: setting up and optimization (Group 2 - Maimone)
10.00-11.00 am (practical session):
Cryogenic modulation: setting up and optimization (Group 2 - Zoccali)
Flow modulation: setting up and optimization (Group 1 - Maimone)
11.00-11.30 am: Coffee break
11.30 am-1.15 pm (practical session):
Cryogenic modulation GC×GC in combination with triple quadrupole MS (Group 1 - Maimone)
Cryogenic modulation GC×GC in combination with low-resolution time-of-flight MS (Group 2 - Pantò)
1.15-2.45 pm: Lunch break

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2.45-4.30 pm (practical session):
Cryogenic modulation GC×GC in combination with triple quadrupole MS (Group 2 - Maimone)
Cryogenic modulation GC×GC in combination with low-resolution time-of-flight MS (Group 1 - Pantò)
4.30-5.00 pm: Discussion and……Italian coffee (Maimone, Peroni, Zoccali, Pantò)
8.00 pm onwards: Course dinner

Thursday, September 29 - Day 4:
9.00 am-10.45 pm (practical session):
Cryogenic modulation GC×GC in combination with single quadrupole MS (Group 1 - Zoccali)
Cryogenic modulation GC×GC in combination with high-resolution time-of-flight MS (Group 2 - Maimone)
10.45-11.15 am: Coffee break
11.15 am-1.00 pm (practical session):
Cryogenic modulation GC×GC in combination with single quadrupole MS (Group 1 - Zoccali)
Cryogenic modulation GC×GC in combination with high-resolution time-of-flight MS (Group 2 - Maimone)
1.00-2.00 pm: Lunch break
2.00-3.45 pm (practical session):
Cryogenic modulation GC×GC in combination with Q ToF MS (Group 1 - Peroni)
Flow modulation GC×GC in combination with APGC QqQ MS (Group 2 - Zoccali)
3.45-4.00 pm: Coffe break
4.00-5.45 pm (practical session):
Cryogenic modulation GC×GC in combination with Q ToF MS (Group 2 - Peroni)
Flow modulation GC×GC in combination with APGC QqQ MS (Group 1 - Zoccali)
5.45-6.00 pm: Closure address (Mondello, Tranchida, Purcaro, Maimone, Zoccali, Peroni, Pantò)