

SEWPROF TC3 Programme (subject to alteration)

Location: KWR Watercycle Research Institute, Groningehaven 7, 3433 PE, Nieuwegein, The Netherlands

Day 1 – Thursday 10 April 2014

08:15 Public transport bus from Utrecht bus station to Nieuwegein

- 09:00 Introduction Pim de Voogt
- 09:15 Presentations by ESRs 1-11 & ERs 1-4 (10 mins each)
- 10:45 *Coffee + “Stroopwafels”*
- 11:00 Continued - Presentations by ESRs 1-11 & ERs 1-4 (10 mins each)
- 13:00 *Lunch*
- 13:45 General principles of LC and MS for drugs and pharmaceuticals [Alexander van Nuijs (UA)]
- 14:15 Triple quadrupole mass spectrometry for multiresidue analysis of pharmaceuticals and illicit drugs [S.Castiglioni (MARIO NEGRI)]
- 14:45 Human toxicology and pharmacology of illicit drugs [Suzanne Heemskerk (Nijmegen)]
- Coffee*

	Group 1	Group 2
Walk to Waternet (location Nieuwegein) Drinking water treatment plant	15:30	16:00
Introduction early warning monitor systems (Eric Pender)	16:00	16:30
Flocculation + Sand filtration (tentative)	16:20	16:50
Return walk to KWR	16:30	17:00
Lab demonstration LVSPE samples	17:15	15:30
Tour to the Mass spectrometry lab Orbitrap/QTOF/Triple Quad	17:30	15:45
Finish and return to Utrecht by Public transport	18:00	18:00

- 20:15 Group Dinner (downtown Utrecht)
Restaurant ‘De Rechtbank’ (the old Courthouse)
Korte Nieuwstraat 14, Utrecht**

Day 2 – Friday 11 April 2014

- 08:15** **Public transport bus from Utrecht bus station to Nieuwegein**
- 09:00 Accurate Mass screening of DOA [E. Emke/T. van Leerdam (KWR)]
- 09:30 Identification and elucidation of transformation /degradation products using high resolution MS [L. Bijlsma (UJI)]
- 10:00 Wide-scope screening of organic contaminants in water by combined use of GC-TOF and LC-QTOF MS [F. Hernández (UJI)]
- 10:30 *Coffee*
- 11:00 Introduction to PCR [Leo Heijnen/KWR]
- 11:30 Biosensor devices: electrochemical, optical, mass/acoustic and other devices [P. Estrela (UoB)]
- 12:00 Introduction to nanotechnology applied to biosensing [P. Estrela (UoB)]
- 12:30 Walk (2.5km) along the Lek Canal to the old town of Vreeswijk <http://goo.gl/pTKX2c>
- 13:15 *Lunch*
- 14:00 Walk back to KWR
- 14:45 Biosensors for the detection of DNA [C. Frost (UoB)]
- 15:15 Bioconjugation techniques for biosensors [C. Frost (UoB)]
- 15:45 Bioassay sensors for measuring toxicity (DNA damage) in water [Merijn Schriks (KWR)]
- 16:15 Close, return to Hotel/Airport

