WORKSHOP PROGRAMME

7 JULY (Tuesday) – PRACTICAL CLASSES

PART I: GENOMICS

08:30 – 09:00 *Registration*

09:00 – 11:00 *Seminar*: UltraSEEK – Introduction and Assay Design **(ALL GROUPS)**
Timo Wagner, Agena Bioscience, DE (Hall of the Faculty Council)

11:00 – 11:15 *Coffee break*

11:15 – 11:30 *Computer class:* UltraSEEK in practice – Introduction **(ALL GROUPS)**
Timo Wagner, Agena Bioscience, DE (Room 70)

Computer & laboratory class: UltraSEEK in practice **(GROUPS PROVIDED BELOW)**
Timo Wagner, Agena Bioscience, DE (Room 3a)
Anna Woziwodzka, Agnieszka Bernat-Wójtowska, IFB UG & MUG (Room 70)

	GROUP 1	**GROUP 2**	**GROUP 3**
11:30 – 11:50	*Laboratory class* (Room 3a)	*Computer class* (Room 70)	*Computer class* (Room 70)
11:50 – 12:10	*Computer class* (Room 70)	*Laboratory class* (Room 3a)	*Computer class* (Room 70)
12:10 – 12:30	*Computer class* (Room 70)	*Computer class* (Room 70)	*Laboratory class* (Room 3a)

12:30 – 13:00 *Computer class:* UltraSEEK in practice – Summary & Discussion **(ALL GROUPS)**
Timo Wagner, Agena Bioscience, DE (Room 70)

13:00 – 13:30 *Light lunch*

13:30 – 15:30 *Computer class*: UltraSEEK Data Analysis **(ALL GROUPS)**
Timo Wagner, Agena Bioscience, DE (Room 70)

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4th MASS SPECTROMETRY WORKSHOP
"Innovations in discovery of potential new pharmaceuticals"
7 – 9 JULY 2015, GDAŃSK

WORKSHOP PROGRAMME

8 JULY (Wednesday) – LECTURE SESSION

PART I: GENOMICS (Hall 22/Aula 22)

Chair: Dawid Nidzworski, Innovation Specialist for the MOBI4Health Project

08:30	–	09:00	*Registration*
09:00	–	09:10	Welcome **Igor Konieczny**, Dean of Intercollegiate Faculty of Biotechnology UG & MUG
09:10	–	10:00	Atypical applications of DNA mass spectrometry **Charles Cantor**, Agena Bioscience, US
10:00	–	10:50	UltraSEEK – Detection of low frequency mutations **Timo Wagner**, Agena Bioscience, DE
10:50	–	11:10	*Coffee break*
11:10	–	12:00	Minimally invasive diagnostic method for staging in glioma patients based on expression profiling of miRNA-21 **Mikhail Zarayskiy**, Pavlov First Saint Petersburg State Medical University, RU
12:00	–	12:50	GISTology: from a molecular driver to an active treatment (and resistance). The implementation of patient-derived xenograft models for in vivo drug testing. **Agnieszka Woźniak**, KU Leuven, BE
12:50	–	13:30	*Light lunch*

PART II: PROTEOMICS (Hall 22/Aula 22)

Chair: Marek Kuźbicki, Innovation Manager for the MOBI4Health Project

13:30	–	14:20	Top-down mass spectrometry of modified ribonucleic acids **Kathrin Breuker**, Institute of Organic Chemistry University of Innsbruck, AT
14:20	–	15:10	Targeted and non-targeted analysis of pharmaceutical residue in the environment (LC-MS/MS & LC-QTOF case) **Agata Kot-Wasik,** Gdańsk University of Technology, PL
15:10	–	15:30	*Coffee break*
15:30	–	16:00	Using mass spectrometry in plant-environment interaction studies **Jenny Renaut**, Luxembourg Institute of Science and Technology, LU
16:00	–	16:30	Gel based and gel free applications of MS to Nanoscience **Céline Leclercq**, Luxembourg Institute of Science and Technology, LU

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IFB

WORKSHOP PROGRAMME

9 JULY (Thursday) – PRACTICAL CLASSES

PART II: PROTEOMICS – GROUP 1

08:30 – 09:00 *Registration*

09:00 – 09:45 *Seminar*: Overview of The Pharmaceutical Pipeline – HTS-ADME to MET ID to Bioanalysis
Jason Causon, Sciex, UK (Room 23)

09:45 – 10:30 *Seminar*: Practical Aspects of HTS-ADME & BioA for QTRAP – DQ3.0 Introduction
Sebastian Fabritz, Sciex, DE (Room 23)

10:30 – 10:45 *Coffee break*

10:45 – 11:30 *Laboratory class*: Hands On DQ3.0 for Small Molecules and Large Molecules
Sebastian Fabritz, Sciex, DE (Room 4)

11:30 – 11:45 *Transfer to seminar room & break*

11:45 – 12:30 *Seminar*: MET ID, What it is, What information is needed, MET ID on TripleTOF
Jason Causon, Sciex, UK (Room 23)

12:30 – 13:00 *Light lunch*

13:00 – 13:45 *Laboratory* class: MET ID on Triple TOF
Jason Causon, Sciex, UK (Room 4)

13:45 – 14:00 *Transfer to seminar room & break*

14:00 – 14:30 *Seminar*: SelexION Technology – Applications for Small Molecules/Peptides
Sebastian Fabritz, Sciex, DE (Room 23)

14:30 – 14:45 *Coffee break*

14:45 – 15:30 *Laboratory class*: SelexION Application – Applied for Small Molecules/Peptides
Sebastian Fabritz, Sciex, DE (Room 4)

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WORKSHOP PROGRAMME

9 JULY (Thursday) – PRACTICAL CLASSES

PART II: PROTEOMICS – GROUP 2

08:30 – 09:00 *Registration*

09:00 – 09:45 *Seminar*: Overview of The Pharmaceutical Pipeline – HTS-ADME to MET ID to Bioanalysis
Jason Causon, Sciex, UK (Room 23)

09:45 – 10:30 *Laboratory* class: MET ID on Triple TOF
Jason Causon, Sciex, UK (Room 4)

10:30 – 10:45 *Coffee break*

10:45 – 11:30 *Seminar*: MET ID, What it is, What information is needed, MET ID on TripleTOF
Jason Causon, Sciex, UK (Room 23)

11:30 – 11:45 *Transfer to laboratory & break*

11:45 – 12:30 *Laboratory class*: Hands On DQ3.0 for Small Molecules and Large Molecules
Sebastian Fabritz, Sciex, DE (Room 4)

12:30 – 13:00 *Light lunch*

13:00 – 13:45 *Seminar*: Practical Aspects of HTS-ADME & BioA for QTRAP – DQ3.0 Introduction
Sebastian Fabritz, Sciex, DE (Room 23)

13:45 – 14:00 *Transfer to laboratory & break*

14:00 – 14:30 *Laboratory class*: SelexION Application – Applied for Small Molecules/Peptides
Jason Causon, Sciex, UK (Room 4)

14:30 – 14:45 *Coffee break*

14:45 – 15:30 *Seminar*: SelexION Technology – Applications for Small Molecules/Peptides
Jason Causon, Sciex, UK (Room 23)

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