

Natural Products Research AND INNOVATION CENTRE

Training workshop

**Theme: Metabolomics: A bridge between Chemistry and Biology
in Drug Discovery.**

TENTATIVE PROGRAMME

Tue, 2nd April 2024: Welcome and Opening Remarks

Chairperson: Dr. Maseruka Richard

Time	Activity	Responsible Person
9:00-9:05	Welcome Remarks	Dr. Andima Moses
9:05-9:10	Opening Remarks (Centre leader, NaPRIC)	Dr. Samuel Baker Obakiro
9:10-9:15	Opening Remarks (Dean FHS)	Prof. Dan Kibuule

Session 1: Fundamentals of Mass Spectrometry

Chair: Assoc. Prof. Gavamukulya Yahaya

Time	Activity	Facilitator
9:15-10:45	Ionization methods	Dr. George Kwesiga Department of Chemistry, Kabale University.
Interlude		
11:00-12:45	Mass analyzers	Dr. Andima Moses Department of Chemistry, Busitema University

Wed, 3rd April 2024: Fundamentals of Mass Spectrometry

Chair: Kiyimba Kennedy

Time	Activity/Speaker	Facilitator
9:00-10:45	Mass Fragmentation patterns	Dr. Owor Richard Oriko Department of Chemistry, Busitema University
Interlude		
11:00 -12:45	Mass spectrometry data interpretation (Hands-on)	

Thursday, 4th April 2024: Metabolomics in Natural Products Research

Chair: Dr. Andima Moses

17:00 -18:00	- Introduction to metabolomics in natural products and GNPS Dashboard	Prof. Dr. Daniel Petras Assistant Professor, University of California, Riverside
18:00 – 19:00	- Classic Molecular Networking on GNPS2	Dr. Jarmo-Charles Kalinski Post-doctoral researcher University of California, Riverside

Friday, 5th April 2024: Metabolomics in Natural Products Research

Chair: Dr. Samuel Baker Obakiro

17:00 – 18:00	- Data interpretation and visualization on Cystoscape	Dr. Giovanni Andrea Vitale Post-doctoral researcher University of Tübingen, Germany
18:00 – 19:00	- Statistical analysis with FBMN Stats	Abzer Kelminal Pakkir Shah PhD University of Tübingen

Zoom Link

<https://zoom.us/j/93966323347?pwd=UkUzVXhpWG5obzEvdXk1QkVjMEExQT09>

Zoom ID: 939 6632 3347

Passcode: 212428

Partners



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