

A COMPREHENSIVE workshop on pre-clinical DRUG DISCOVERY (CDD)
DoubleTree by Hilton, Woodstock, Cape Town, South Africa, 16 -19 April 2024

	Tuesday	Wednesday	Thursday	Friday	
	16/04/2024	17/04/2025	18/04/2026	19/04/2027	
8:30	Arrival	Arrival	Arrival	Arrival	8:30
9:00	Welcome and Introductions <i>Dr Susan Winks/Dr Bahne Stechmann</i>	Screening compound library assessment <i>Prof Lyn-Marie Birkholtz</i>	Introduction to ADME assays <i>Dr Mathew Njoroge</i>	Drug Discovery in an African Context: Challenges and opportunities <i>Dr Susan Winks</i>	9:00
9:45		In silico approaches to drug design <i>Dr Grace Mugumbate</i>	In vivo PK and PK/PD relationships <i>Dr Liezl Gibhard</i>	FAIRification of data and data management <i>Dr Andrea Zaliani</i>	9:30
10:30	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	Tea/Coffee Break	10:30
11:00	Introduction to Drug Discovery <i>Dr Sheraz Gul</i>	Chemical biology approaches for mode of action deconvolution and target identification <i>Dr John Woodland</i>	Principles of compound optimisation <i>Dr Richard Amewu</i>	Current Natural Product Approaches in Drug Discovery <i>Frank Surup</i>	11:00
11:45	Hit discovery options: Biochemical and phenotypic screening methods <i>Prof Adrienne Edkins</i>	Mass spectrometry applications in drug discovery – cellular drug responses, compound mode of action and drug disposition <i>Prof Carsten Hopf</i>	Case Histories: Drug Optimization, Repurposing, Repositioning for Covid-19 <i>Greg Basarab</i>	Project management and organisation of multi- disciplinary projects <i>Dr Bahne Stechmann & Jess Akester</i>	11:45
12:30	Lunch	Lunch	Lunch	Lunch	12:30
13:00					13:00
13:30	Screening cascades, assay development and quality control <i>Dr John Woodland</i>	Selecting a target for drug discovery <i>Dr Lauren Coulson</i>	Metabolism effects in African populations <i>Dr Mathew Njoroge</i>	Practical Exercise Feedback	13:30
14:15	Transport to H3D	Transport to H3D	Practical Exercises Intro		14:15
14:45	H3D Lab Tours and Demos	H3D Lab Tours and Demos	Tea/Coffee Break	Depart	14:45
15:00			Practical Exercise Breakaway		15:00
15:30					15:30
16:00					16:00
16:30					16:30
17:00			17:00		
17:30	17:30				
18:00			Transport to Dinner		18:00
18:30			Networking Dinner 18:30-21:00		18:30