

## Program (19-23 September 2022)

<https://www.drugdiscoveryafrica2022.info>

Time	Topic	Speaker
<b>DAY 0 (Sunday, 18<sup>th</sup> September)</b>		
19:00 - 21:00	Reception (Cocktail night)	
<b>DAY 1 (Monday, 19<sup>th</sup> September)</b>		
08:30 – 09:00	Registration	Organizing committee
09:00 – 10:30	Opening ceremony	Representatives of ABUAD
10:30 – 11:00	Tea break	
11:00 – 11:15	Overview of the speakers, talks and school sessions	Olujide Olubiyi
11:15 – 12:15	Key drugs from nature: from prehistory to modern times	Tiwalade Olugbade
12:15 – 13:45	Lunch break	
13:45 – 14:30	Computational approaches for lead finding	Stefan Günther
15:00 – 18:00	<u>Summer school Session 1 (hands-on session)</u> Ligand docking with Autodock Vina and Visualization of biomolecules (PyMol and/or VMD)	Stefan Günther Aurélien Moumbock
<b>DAY 2 (Tuesday, 20<sup>th</sup> September)</b>		
09:00 – 09:45	Structural studies of the interactions between Arrestins and G protein-coupled receptors	Renu Batra-Safferling
09:45 – 10:30	Computer Aided Drug Design for Neglected Tropical Diseases: A new Treatment Option for Lassa Fever	Ikemefuna Uzochukwu
10:30 – 11:00	Tea break	
11:00 – 11:45	Natural products-based lead discovery in resource-limited environments	Fidele Ntie-Kang
11:45 – 12:30	Discovering leads from natural sources and optimising them to clinical candidates	Mark Brönstrup

12:30 – 14:00	Lunch break	
14:00 – 17:00	<u>Summer school Session 2 (hands-on session)</u> From Proteins to Crystal Structures	Renu Batra-Safferling
17:30 – 20:30	Poster session with drinks & food	Participants & Speakers
<b>DAY 3 (Wednesday, 21<sup>st</sup> September)</b>		
09:00 – 09:45	Pharmacokinetic and genetic aspects of lead compound development	Chinedum Babalola
09:45 – 10:30	Pharmacokinetics of herbal preparations	Regina Appiah-Opong
10:30 – 11:00	Tea break	
11:00 – 11:45	The chemistry of biological activity: science and art of isolating bio-active compounds from plants	Fanie van Heerden
11:45 – 12:30	Development and Application of Bench-Top Bioassay Techniques for Lead Screening	Bamigboye Taiwo
12:30 – 14:00	Lunch break	
14:00 – 19:00	<u>Summer school Session 3 (hands-on session)</u> 1) Searching natural product databases 2) Metabolome profiling of natural product extracts and structure assignment and elucidation via mass spectrometry	1) Fidele Ntie-Kang Conrad Simoben 2) Mark Brönstrup
<b>DAY 4 (Thursday, 22<sup>nd</sup> September)</b>		
09:00 – 10:30	<u>Panel discussion</u> Building bridges: functional cooperation for African drug discovery research	Selection of speakers
10:30 – 11:00	Tea break	
11:00 – 12:00	DAAD: Applying for scholarship opportunities in Germany	Representative of DAAD in Nigeria: Gerald Heusing
12:00 – 13:30	Lunch break	
13:30 – 14:15	Preclinical trials of natural products and herbal products in drug development	Regina Appiah-Opong

14:15 – 15:00	From understanding the molecular basis of diseases to drug discovery approaches	Birgit Strodel
15:00 – 18:00	Guided tour of Afe Babalola University in Ado Ekiti Campus (Planetarium and/or Farm)	Participants & Speakers
19:00 – 21:00	Conference dinner	
<b>DAY 5 (Friday, 23<sup>rd</sup> September)</b>		
09:00 – 10:00	4 x 15 minutes selected talks of participants	Maryam Olagunju Conrad Simoben Olatomide Fadare Vusani Makananise
10:00 – 10:30	Tea break	
10:30 – 12:30	<u>Summer school Session 4 (hands-on session)</u> Identification of corilagin in ornamental <i>Acalypha</i> plants	Bamigboye Taiwo Tiwalade Olugbade
12:30 – 13:00	Feed backs, closing remarks, and farewell speeches	Organizers
13:00 – 14:00	Lunch	
14:00 – 16:00	Optional workshop session: How to write a fellowship application	Birgit Strodel & interested speakers
16:00 – 18:00	Visit to university hospital	Speakers