

New Anti-leishmanial Leads from Natural Sources: Concepts and Approaches

November 8th-9th, 2019

H.E.J. Research Institute of Chemistry | International Center for Chemical and
Biological Sciences (ICCBS) | University of Karachi, Pakistan

PROGRAMME

Friday 8th November, 2019

Seminar session 1

Venue: Video Conferencing facility, LEJ National Science Information Centre, ICCBS

08:30	Registration	
09:00	Inauguration	Iqbal Choudhary <i>Director, ICCBS</i>
10:00	Group Photo Inaugural reception	
Perspectives on developing anti-leishmanial compounds from natural sources (I)		
10:30	Anti-leishmanial drug lead discovery from natural sources	Iqbal Choudhary
11:15	Natural anti-leishmanials: Principles and practice	Paul Denny
12:00	Evaluation of natural product anti-leishmanials: <i>In cellulo</i> to <i>in vivo</i>	Bartira Rossi Bergmann <i>Federal University of Rio de Janeiro, Brazil</i>
12:45	Lunch (Multipurpose Hall, ICCBS)	

Laboratory workshop session 1

Venue: Bioassay Laboratory, HEJ Research Institute of Chemistry

Practical: Screening for anti-leishmanial activity of natural products <i>in vitro</i> – Part I	
14:00	Workshop 1 Demonstrators: Dr. Saba Farooq (ICCBS) Ms. Ayesha Zafar (ICCBS)
17:00	Student poster session
20:00	Dinner



Saturday 9th November, 2019

Laboratory workshop session 2

Venue: Bioassay Laboratory, HEJ Research Institute of Chemistry

08:30	Coffee
Practical: Screening for anti-leishmanial activity of natural products <i>in vitro</i> – Part II	
09:00	Workshop 2 Demonstrators: Dr. Saba Farooq (ICCBS) Ms. Ayesha Zafar (ICCBS)
12:00	Teaching team round table Q&A
13:00	Lunch (Multipurpose Hall, ICCBS)

Seminar session 2

Venue: Video Conferencing facility, LEJ National Science Information Centre, ICCBS

Perspectives on developing anti-leishmanial compounds from natural sources (II)		
14:00	Seminar session overview (day 2)	Sammer Yousuf
14:05	Mechanisms of action of old and new trypanosome therapeutics	Mark Field <i>University of Dundee, UK</i>
14:35	LC-MS based analysis of natural products	Syed Ghulam Musharraf <i>ICCBS, Karachi, Pakistan</i>
15:05	Break	

Early career researcher presentations		
15:20	Anti-leishmanial activity of artemisinin against <i>Leishmania tropica</i> : <i>ex vivo</i> study	Guffran Hassan
15:35	Bioprospecting for anti-leishmanial drug leads from marine actinomycetes: current perspectives and future prospects	Devis-Bolorunduro O. Flora
15:50	Evaluation of Different Antimicrobial Peptides effects against infected murine macrophages with standard <i>Leishmania major in vitro</i> and <i>in vivo</i>	Masha Esmacilifallah
16:05	Olive leaf extract as an anti-leishmanial agent	Muhammand Yasin
16:20	Chemical Study and anti-leishmanial activity of <i>Rothmannia hispida</i> and <i>Nauclea latifolia</i> (Rubiaceae).	Cyrille Ngansop
16:25	Summary, thanks and workshop close Certificate distribution	Iqbal Choudhary, Paul Denny, Sammer Yousuf