

EU-COST-NUS Workshop on Parasitology and Microbiomes: *Blastocystis* Culture and Applications

Date: 30th May – 1st June 2023

Day 1 Tuesday 30 th May Culture and Phenotyping	
Time	Topic
9:00 – 9:10	Welcome message by Organizing Chair
9:10 – 9:40	Keynote Lecture: <i>Blastocystis</i> History and Culture
9:40 – 10:10	<i>Blastocystis</i> Culture: Challenges and Opportunities
10:10 – 10:30	Coffee Break
10:30 – 10:45	<i>Blastocystis</i> Microscopy and Phenotyping
10:45 – 11:00	<i>Blastocystis</i> Genetic Modification
11:00 – 12:00	Panel Discussion and Quiz
12:00 – 13:30	Lunch
13:30 – 13:45	Practical Briefing
13:45 – 18:00	<div>Culture</div> <ul style="list-style-type: none"> Liquid culture and subculturing Cryopreservation and thawing Microscopy of ST1, 4, 7 <div>High-Content Phenotyping</div> <ul style="list-style-type: none"> FDA/ PI staining Amnis demonstration
18:00	End of Day 1
18:00 – 18:30	Debrief for Instructors

Day 2 Wednesday 31 st May In Vitro and In Vivo Studies	
Time	Topic
9:00 – 9:30	Keynote Lecture: <i>Blastocystis</i> In Vitro Applications
9:30 – 9:45	<i>Blastocystis</i> EV Studies
9:45 – 10:00	Student Talk #1
10:00 – 10:20	Coffee Break
10:20 – 10:40	<i>Blastocystis</i> In Vivo Applications: Pathology
10:40 – 10:55	Student Talk #2
11:55 – 11:10	Student Talk #3
11:10 – 11:40	<i>Blastocystis</i> In Vivo Applications: Immunology

11:40 12:10	–	Panel Discussion and Quiz
12:10 13:30	–	Lunch
13:30 13:45	–	Practical Briefing
13:45 18:00	–	In Vitro Studies <ul style="list-style-type: none"> • Parasite-Parasite Interactions • Parasite-Microbiota Interactions • Parasite-Host Interactions
		In Vivo Studies <ul style="list-style-type: none"> • Histopathology • Immune Profiling
18:00		End of Day 1
18:00 18:30	–	Debrief for Instructors
18:30		Depart for Gala Dinner

Day 3 Thursday 1 st June		
Microbiome, Clinical Aspects, Future Directions		
Time		Topic
9:00 – 9:30		Keynote Lecture – Microbiomes: From Bench to Bedside
9:30 – 9:45		<i>Blastocystis</i> -Microbiome Interactions
9:45 – 10:00		Student Talk #4
10:00 10:20	–	Coffee Break
10:20 10:50	–	Microbiome-Brain Axis
10:50 11:05	–	Student Talk #5
11:05 11:20	–	Student Talk #6
11:20 11:40	–	Bioimaging Platforms for <i>Blastocystis</i> Research
11:40 12:10	–	Panel Discussion and Quiz
12:10 13:30	–	Lunch
13:30 13:45	–	Practical Briefing
13:45 18:00	–	Culture – Follow Up <ul style="list-style-type: none"> • Liquid culture and subculturing • Cryopreservation and thawing • Fluorescence staining
		In Vitro Studies – Follow Up <ul style="list-style-type: none"> • Parasite-Parasite Interactions • Parasite-Microbiota Interactions
18:00		End of Day 3

18:00	–	Closing Remarks, Prize Presentation
18:30		
18:30		Depart for Hotel