



3<sup>rd</sup> International  
**Blastocystis**  
Conference

2 - 4 June 2021

**CONFERENCE PROGRAMME (UK TIME)**

Wednesday, 2nd of June, 2021

14:00 - 14:15	<b>Welcome &amp; Announcements</b> Anastasios Tsaousis	
14:15 - 15:30	<b>Welcome Lecture</b> Host: Anastasios Tsaousis <b>An overview on Blastocystis current research</b> Eleni Gentekaki	
15:30 - 16:00	<b>Break</b>	
16:00 - 17:00	<b>Poster Session 1 - Presentations</b> Hosts: Anastasios Tsaousis & Rune Stensvold	
	<b>Title</b>	<b>Presenter</b>
	Occurrence of <i>Blastocystis</i> in Patients with Clostridioides difficile Infection	Laura Vega
	Identification of multiple <i>Blastocystis</i> subtypes in domestic animals from Colombia using amplicon-based next generation sequencing.	Adriana Marcela Higuera Gelvez
	Molecular detection and genotyping of <i>Blastocystis</i> from different biogeographical regions of Colombia	Adriana Marcela Higuera Gelvez
	Succinate dehydrogenase gene as a marker for studying Blastocystis genetic diversity	Adriana Marcela Higuera Gelvez
	Prevalence and genotyping of <i>Blastocystis</i> sp. and other enteric protist parasites in farmed red deer ( <i>Cervus elaphus</i> ) in Cádiz, southern Spain	Fátima Vioque
	<i>Blastocystis</i> sp. is the most prevalent enteroparasite in school-age children at Puerto Berrio, Antioquia-Colombia	Carolina Hernández Castro
	Molecular identification and subtyping of <i>Blastocystis</i> sp. in HIV-positive patients in Madrid, Spain	Mercedes Chozas-Conde
	Draft genomes of <i>Blastocystis</i> isolates from human samples in Bogotá, Colombia	Adriana Marcela Higuera Gelvez
	Molecular Detection and Genotyping of <i>Blastocystis</i> spp in samples from patients suffering from ulcerative colitis in Uruguay	Alejandra Valentín
	Metagenomic analysis of the prevalence and impact of <i>blastocystis</i> in gut microbial communities	Dandan Zhao
	An update on the distribution of <i>Blastocystis</i> subtypes in North and South America	Paula Andrea Jimenez Jimenez
	The investigation of <i>Blastocystis</i> sp. in immunocompetent and immunodeficient diarrheal patients using both conventional and molecular methods	Fakhriddin Sarzhanov
	A study of associations between <i>Blastocystis</i> subtypes and eukaryotic taxa in fecal samples from people living in urban and periurban communities from Arequipa, Peru	Kasandra Ascuña-Durand
	Frequency of Blastocystis subtypes in spondyloarthritis patients of Colombia	Paula Hernandez Atehortua
17:00 - 17:30	<b>Break</b>	

17:30 - 19:00	<b>Session 1: Prevalence/Distribution/Diagnostics/Microbiome</b> Host: Anastasios Tsaousis	
	<b>Title</b>	<b>Presenter</b>
17:30	Detecting and Differentiating <i>Blastocystis</i> Subtypes using Metabarcoding	Rune Stensvold
18:00	Oxford Nanopore MinION sequencing provides a new method for generating full-length <i>Blastocystis</i> SSU rRNA gene sequences	Jenny Maloney
18:15	<i>Blastocystis</i> in humans and animals in Pomeranian Region, Poland	Monika Rudzińska
18:30	Detection and identification of <i>blastocystis</i> isolates from wastewater samples in turkey	Sabiha Aydogdu
18:45	Investigating the occurrence and molecular diversity of <i>Blastocystis</i> sp. by Sanger and next generation amplicon sequencing in cattle in the province of Álava, Northern Spain	Alejandro Dashti
19:00	Microbiota characterization in <i>Blastocystis</i> -colonized and <i>Blastocystis</i> -free school-age children from Colombia	Sergio Andrés Castañeda Garzón
19:15	Gut microbiota profiles in diarrheic patients with co-occurrence of <i>Clostridioides difficile</i> and <i>Blastocystis</i>	Laura Vega
<b>Thursday, 3rd of June, 2021</b>		
8:20 - 8:30	<b>Welcome &amp; Announcements</b> Anastasios Tsaousis	
8:30 - 10:00	<b>Session 2: Prevalence/Distribution/Subtyping/Diagnostics</b> Host: Funda Dogruman-Al	
	<b>Title</b>	<b>Presenter</b>
8:30	Identification and molecular characterization of a novel <i>Blastocystis</i> subtype in humans from the Paranaguá Bay, Brazil	David Carmena
9:00	Prevalence and distribution of <i>Blastocystis</i> in schoolchildren from a rural area in northern Thailand and association with anthropometric factors	Abby McCain
9:15	<i>Blastocystis</i> spp. subtypes in the northeastern area of Spain	CRISTINA MATOVELLE
9:30	Detection of <i>Blastocystis</i> sp. in symptomatic children attended at three different hospitals in Spain	Carolina Hernández-Castro
9:45	Evaluation of association with subtypes and alleles of <i>Blastocystis</i> with chronic spontaneous urticaria	Mehmet Aykur
10:00 - 10:30	<b>Break</b>	
10:30 - 12:00	<b>Session 3: Blastocystis and host interactions</b> Host: Özgür Kurt	
	<b>Title</b>	<b>Presenter</b>
10:30	Changes in the human gut microbiota associated with colonization by <i>Blastocystis</i> sp. and <i>Entamoeba</i> spp. in non-industrialized populations	Magali Chabé
11:00	<i>Blastocystis</i> sp. carriage and irritable bowel syndrome: is the association already established?	Fernando Salvador
11:15	Bioinformatic Characterisation of Gut Microbiota Profile Alterations in <i>Blastocystis</i> ST-7 Infected DSS Colitis Mouse Model	Eileen Koh
11:30	Investigation into community-level differences in the bacterial microbiota in water voles with <i>Blastocystis</i> colonisation	Emma Betts
11:45	Is It Useful To Treat <i>Blastocystis</i> sp.? A double-blind placebo-controlled randomised trial	L.G. Cobuccio
12:00 - 13:30	<b>Break</b>	

13:30 - 14:30	<b>Poster session 2 – Presentations</b> Hosts: Eleni Gentekaki & Anastasios Tsaousis	
	<b>Title</b>	<b>Presenter</b>
	The Prevalence of <i>Blastocystis</i> subtypes in humans in Turkey: a systematic review and meta-analysis	Mehmet Aykur
	Prevalence and molecular characterization of <i>Blastocystis</i> isolated from Pallas's squirrels ( <i>Callosciurus erythraeus</i> ) in Kanagawa Prefecture, Japan	Aya Masuda
	<i>Blastocystis</i> sp. in public kindergartens of Majadahonda, Madrid-Spain	Carolina Hernández-Castro
	Detection, molecular characterization, and assessment of zoonotic transmission of <i>Blastocystis</i> sp. between companion animals and their owners in Peru and Spain	Elena Cobo-López
	The prevalence of asymptomatic blastocystosis in adults from southeastern serbia	Nataša Miladinović Tasić
	Novel Functionality of a Horizontally-Acquired Tryptophanase Gene in the Protistan Parasite <i>Blastocystis</i>	Steven Leonardi
	Protease activity diversity of <i>Blastocystis</i> sp. from animal and water samples in the Philippines	Davin Edric Adao
	Prevalence of <i>blastocystis</i> in human stool samples in hungary and the comparison of three identification methods	István Kucsera
	Prevalence and subtype analysis of <i>Blastocystis</i> sp. in symptomatic and asymptomatic children	Fakhriddin Sarzhanov
	Molecular detection of <i>Blastocystis</i> in sewage samples from Greece	Gregory Spanakos
	Genotypic diversity of <i>Blastocystis</i> isolated from a cohort of patients in Eastern Saudi Arabia	Ayman El-Badry
	Detection and molecular identification of <i>Blastocystis</i> isolates from humans and cattle in northern Egypt: the potential for zoonotic transmission	Ayman El-Badry
	Application of <i>Blastocystis</i> identification techniques in medical laboratory	Chalermpon Kaewjai
	Prevalence and subtype distribution of <i>Blastocystis</i> sp. amongst Syrian refugee communities living in North Lebanon	Manasi Sawant
14:30 - 15:30	<b>Poster session 3 – Breakup groups</b> Host: Anastasios Tsaousis	
15:30 - 16:00	<b>Break</b>	
16:00 - 17:00	<b>Session 4: <i>Blastocystis</i> cell biology and 'omics</b> Host: Anastasios Tsaousis	
	<b>Title</b>	<b>Presenter</b>
16:00 - 16:30	Investigations into the Properties of <i>Blastocystis</i> -Derived Extracellular Vesicles, and Their Potential Roles in Bacteria and Host Cell Interactions	Eileen Y Koh
16:30 - 17:00	Comparative genomics of <i>Blastocystis</i> ssp. reveal proteomes with hyper-expansions of amino acid homopolymers	Dayana Salas-Leiva
17:00 - 17:30	<b>Break - Breakout rooms upon request</b>	
17:30 - 18:30	<b>Session 5: Subtyping and Diagnostics</b> Host: Rune Stensvold	
	<b>Title</b>	<b>Presenter</b>
17:30	Exploring the relationships between <i>Blastocystis</i> subtypes through comparisons between full-length and partial regions of the SSU rRNA gene	Monica Santin-Duran
18:00	MALDI-TOF as an alternative diagnosis method to <i>Blastocystis</i> subtypes identification. Proposal research	Renzo Salazar-Sanchez
19:00 - 20:00	<b>Virtual Social Event</b>	

## Friday, 4th of June, 2021

	<b>Friday, 4th of June, 2021</b>	
7:50 - 8:00	<b>Welcome &amp; Announcements</b> Anastasios Tsaousis	
8:00 - 10:00	<b>Session 6: <i>Blastocystis</i> and gut microbiome</b> Hosts: Anastasios Tsaousis & Kevin Tan	
	<b>Title</b>	<b>Presenter</b>
8:00	Experimental Infection with Two Different <i>Blastocystis</i> Subtypes is Associated with Strikingly Different Microbiome Features	Kevin Shyong-Wei Tan
8:30	<i>Blastocystis</i> colonization alters host immune response and gut microbiome, part a	Zuzana Lhotska
8:45	<i>Blastocystis</i> colonization alters host immune response and gut microbiome, part b	Vincent Billy
9:00	<i>Blastocystis</i> in the faeces of children from six distant countries: prevalence, quantity, subtypes and the relation to the gut bacteriome	Ondrej Cinek
9:15	Experimental Colonization with <i>Blastocystis</i> ST4 is Associated with Protective Immune Responses and Modulation of Gut Microbiome in a DSS-Induced Colitis Mouse Model	Lei Deng
9:30	Investigating the metabolic fluctuations of the human gut during <i>Blastocystis</i> infection	Jamie Newton
9:45 -10:30	<b>Break</b>	
10:30 - 12:30	<b>Session 7: Prevalence/Distribution/Subtyping/Diagnostics</b> Hosts: Rune Stensvold & Eleni Gentekaki	
	<b>Title</b>	<b>Presenter</b>
10:30	Prevalence, molecular diversity, and evidence of zoonotic transmission of <i>Blastocystis</i> sp. in non-human primates and their caretakers in four Spanish zoos	Pamela Carolina Köster
10:45	Longitudinal analysis of <i>Blastocystis</i> diversity in a cohort of healthy adults during a period of international travel	Pauline Scanlan
11:00	The first microsatellite based genotyping of two common <i>Blastocystis</i> sp. Subtypes	Erdogan Malatyali
11:15	Detection and molecular characterization of <i>Blastocystis</i> in Polish soldiers stationed in the Balkans	Barbara Pietrzak-Makyla
11:30	High Prevalence of <i>Blastocystis</i> and <i>Dientamoeba fragilis</i> in Rural Nepal: Pathogens to Treat or Residents of Healthy Gut?	Özgür Kurt
11:45	<i>Blastocystis</i> transmission dynamics in a rural community of northern Thailand	Vasana Jinatham
12:00	Investigating the enteric coinfection of Hepatitis E virus with <i>Giardia duodenalis</i> , <i>Blastocystis</i> sp., and <i>Balantidioides coli</i> in intensively and extensively raised pigs ( <i>Sus scrofa domesticus</i> ) in Southern Spain	Alejandro Dashti
12:15	Prevalence and subtype identification of <i>Blastocystis</i> sp. in Western chimpanzees ( <i>Pan troglodytes verus</i> ) from Ivory Coast, Senegal, and Sierra Leone	Pamela Carolina Köster
12:30 - 12:45	<b>Short Break</b>	
12:45 - 14:00	<b>Open Discussion, Future funding opportunities and closing remarks</b> Host: Anastasios Tsaousis	