

## Shrimp Health & EHP Workshop

### Managing Shrimp Health: Strategies for Preventing and Controlling Hepatopancreatic microsporidiosis caused by *Enterocytozoon hepatopenaei* (EHP)

Time (UTC/GMT +7 h)	DAY 1 Monday, 10 Jul 2023 (AIT)	DAY 2 Tuesday, 11 Jul 2023 (Centex Shrimp)	DAY 3 Wednesday, 12 Jul 2023 (AIT)	DAY 4 Thursday, 13 Jul 2023
9.00-10.00 AM	<p><i>Opening session</i></p> <p><b>Welcome, Introduction and Overview</b> Dr. Krishna R. Salin, AIT</p> <p><b>Technical session 1</b></p> <p><b>Current and emerging infectious diseases of white shrimp</b> Dr. Charoonroj Chotwiwatthanakun, Mahidol University</p>	<p><b>Technical session 6</b></p> <p><b>How to live with EHP?</b> Dr. Boonsirm Withyachumnarnkul, AquaAcademy Farm</p>	<p><b>Laboratory sessions:</b> <b>Diagnosis of EHP</b></p> <p><b>Presumptive diagnosis and sample preservation</b> Dr. Ha Thanh Dong, AIT</p> <p><b>DNA extraction</b> Dr. Saengchan Senapin, BIOTEC</p>	<p><b>Lecture &amp; Field trip at a shrimp farm in Chachoengsao province</b></p> <p><b>Technical session 11</b></p> <p><b>Sustainable management practices for shrimp farming to reduce the risk of diseases</b> Dr. Sorawit Powtongsook, BIOTEC</p>
10.00-11.00 AM	<p><b>Technical session 2</b></p> <p><b>Overview of microsporidian infections in crustaceans</b> Pattana Jaroenlak, Chulalongkorn University</p>	<p><b>Technical session 7</b></p> <p><b>Basic shrimp immunity</b> Dr. Pakkukul Sangsuriya, BIOTEC</p>		
11.00-11.30 AM	<i>Break</i>	<i>Break</i>	<i>Break</i>	

11.30 AM-12.30	<b>Technical session 3</b> <b>EHP: Discovery, current knowledge, and control strategies</b> Dr. Kallaya Sritunyalucksana, BIOTEC	<b>Technical session 8</b> <b>Probiotics and bioactive compounds for disease prevention</b> Dr. Chumporn Soowannayarn, BIOTEC	<b>Histopathology</b> Dr. Ha Thanh Dong	
12.30-1.30 PM	Lunch	Lunch		
1.30-2.30 PM	<b>Technical session 4</b> <b>Basic and advanced diagnosis of EHP</b> Dr. Thawatchai Chaijarasphong, Mahidol University	<b>Technical session 9</b> <b>RNA interference in control of shrimp diseases</b> Dr. Vanvimon Saksmerprom, BIOTEC	<b>PCR/qPCR</b> Dr. Saengchan Senapin <b>RPA</b> Dr. Thawatchai Chaijarasphong	
2.30-3.30 PM	<b>Technical session 5</b> <b>Microbiome and shrimp health</b> Dr. Sage Chaiyapechara, BIOTEC	<b>Technical session 10</b> <b>Insight into EHP genome characterization and intracellular living style</b> Dr. Anuphap Prachumwat, BIOTEC		
3.30-4.00 PM	<i>Break</i>	<i>Break</i>		
4.00-5.00 PM	<b>Panel Discussion</b> All participants	<b>Panel Discussion</b> All participants		