



## **Creatures of Mystery: Global Research on Syngnathidae Fishes**

### **Meeting Schedule for SyngBio 2021 (Time Zone: UTC+8, Beijing, China)**

**(Continually updating)**

We are delighted to have you join us for the SyngBio2021 meeting! We believe we have a dynamic and broad program, with contributed work from at least 15 countries and 5 continents, and fantastic [invited speakers!](#)

<b>17 May, Monday</b>			
<b>Time and Duration</b>		<b>Agenda</b>	<b>Location</b>
<b>17 May Morning</b>	09:00am-12:00am	<b>Meeting on-site Registration</b>	Ramada Hotel (Guangzhou)
	03:00pm-06:00pm	<b>Meeting on-site Registration</b>	Ramada Hotel (Guangzhou)
<b>18 May, Tuesday</b>			
<b>Opening Ceremony - In-person &amp; Online</b>			
<b>Online Zoom ID: to be updated</b>			
<b>Moderator: Qiang Lin</b>			
<b>Time and Duration</b>		<b>Agenda</b>	<b>Person</b>
<b>18 May Morning</b>	09:00am-09:10am	<b>Announcing the beginning of ceremony</b>	Qiang Lin, Chairman of the Conference (China)
	09:10am-09:20am	<b>Welcome and Announcement</b>	Director of the South China Sea Institute of Oceanology (China)
	09:20am-09:50am	<b>To be updated</b>	Amanda C.J. Vincent (Canada)
	09:50am-10:20am	<b>Photos &amp; Coffee break</b>	
	10:20am-10:30am	<b>Plenary speech: Global Syngnathiformes Genome Project (GSGP)</b>	Qiang Lin (China)
	10:30am-11:00am	<b>Plenary speech: To be updated</b>	Camilla Whittington (USA)
	11:00am-11:30am	<b>Plenary speech: To be updated</b>	Josefin Stiller (Denmark)
	11:30am-12:00am	<b>Development of seahorse brood pouch in the aspect of neofunctionalization of the genes</b>	Mari Kawaguchi (Japan)

<b>Session (Syngnathid Conservation) - In-person &amp; Online</b>			
<b>Online Zoom ID: to be updated</b>			
<b>Suggested Moderator: Louw Claassens &amp; Xiong Zhang</b>			
<b>Time and Duration</b>		<b>Agenda</b>	<b>Person</b>
<b>18 May Afternoon</b>	02:30pm- 03:10pm	<b>Keynote Speech: Filling Knowledge Gaps in Advancing Seahorse Conservation: Species distributions &amp; human impacts</b>	Xiong Zhang (China)
	03:10pm- 03:50pm	<b>Keynote Speech: Turning the tide on syngnathid conservation and research in southern Africa</b>	Louw Claassens (South Africa)
	03:50pm- 04:15pm	<b>Seadragon genome analysis provides insights into its phenotype and sex determination locus</b>	Meng Qu (China)
	04:15pm- 04:25pm	<b>Coffee break</b>	
	04:25pm- 04:50pm	<b>Weedy seadragon demography study</b>	David Booth (Australia)
	04:50pm- 05:10pm	<b>The past, present-day, and future geographical distribution of seaweed pipefish</b>	Zhixin Zhang (Japan)
	05:10pm- 05:30pm	<b>A new method to assess natural history traits of seahorses</b>	Diego Luzzatto (Argentina)
	05:30pm- 05:50pm	<b>Taxonomy and reproductive biology of <i>Syngnathus schlegeli</i></b>	Zhengsen Yu (China)
	05:50pm- 06:10pm	<b>Effects of tributyltin on gonad and brood pouch development of male pregnant lined seahorse (<i>Hippocampus erectus</i>) at environmentally relevant concentrations</b>	Lu Tang (China)
<b>19 May, Wednesday</b>			
<b>Session (Aquaculture &amp; Environment) - In-person &amp; Online</b>			
<b>Online Zoom ID: to be updated</b>			
<b>Suggested Moderator: Dong Zhang, Kai Wang, Jinhui Sun</b>			
<b>Time and Duration</b>		<b>Agenda</b>	<b>Person</b>
<b>19 May Morning</b>	09:00am- 09:40am	<b>Keynote Speech: Seahorse aquaculture: how far can we reach? (Keynote speech)</b>	Dong Zhang (China)
	09:40am- 10:05am	<b>Research model and its evaluation of seahorse bacterial enteritis</b>	Kai Wang (China)

	10:05am- 10:30 am	<b>To be updated</b>	Geng Qin (China)
	10:30am- 10:40am	<b>Coffee break</b>	
	10:40am- 11:00am	<b>Intestinal microbiota dysbioses caused by seahorse bacterial enteritis pathogen <i>Edwardsiella tarda</i></b>	LeLe Zhang (China)
	11:00am- 11:20am	<b>Effects of marine organic pollutant on intestinal structure and microbiota of lined seahorse</b>	Yanan Tian (China)
	11:20am- 11:40am	<b>Influence of microplastics absorption of heavy metals on lined seahorse</b>	Ying Liu (China)
	11:40am- 12:00am	<b>Chromosome preparation and karyotype of lined seahorse <i>Hippocampus erectus</i></b>	Xin Liu (China)
<b>Session (Biology &amp; Behavior)</b>			
<b>Online Zoom ID: to be updated</b>			
<b>Suggested Moderator: Olivia Roth, Yali Liu</b>			
<b>Time and Duration</b>		<b>Agenda</b>	<b>Person</b>
<b>19 May Afternoon</b>	02:30pm- 03:10pm	<b>Keynote Speech: Evolution of male pregnancy and remodeling of vertebrate adaptive immunity</b>	Olivia Roth (Germany)
	03:10pm- 03:50pm	<b>Keynote Speech:??</b>	Nuno Monteiro (Portugal)
	03:50pm- 04:15pm	<b>Identification of neurohypophysial hormones and their roles in the parturition of the pregnant seahorse (<i>Hippocampus erectus</i>)</b>	Huixian Zhang (China)
	04:15pm- 04:25pm	<b>Coffee break</b>	
	04:25pm- 04:45pm	<b>Rapid growth and short life spans characterize pipefish populations in vulnerable seagrass beds</b>	David Booth (Australia)
	04:45pm- 05:05pm	<b>Compensation strategies for male parental care of seahorse</b>	Tingting Lin (China)
	05:05pm- 05:25pm	<b>Establishment of hematology reference intervals in big bellied seahorses (<i>Hippocampus abdominalis</i>)</b>	Claire Grosset (Canada)
	05:25pm- 05:50pm	<b>Cloning and expression pattern <i>analysis of foxl2 and foxl2-like genes in Hippocampus erectus</i></b>	Jingjing Ma (China)

	05:50pm- 06:10pm	<b>A crown for each monarch: a distinguishable pattern using photo ID</b>	Miguel Correia (Portugal)
<b>Important Note: In-person meeting participants leaving or/and attending the inspection activities, and the follow-up meeting is only in the form of online meeting</b>			
<b>20 May, Thursday</b>			
<b>Offline inspection activities (09:00am-5:00pm)</b>			
<b>20 May, Thursday</b>			
<b>Session (Systematics &amp; Evolution)</b>			
<b>Online Zoom ID: to be updated</b>			
<b>Suggested Moderator: Healy Hamilton, Yanhong Zhang</b>			
<b>Time and Duration</b>		<b>Agenda</b>	<b>Person</b>
<b>20 May Evening</b>	07:00pm- 07:40pm	<b>Keynote speech: to be updated</b>	Healy Hamilton (USA)
	07:40pm- 08:05pm	<b>Global dispersal routes and adaptive evolution of seahorses</b>	Chunyan Li (China)
	08:05pm- 08:30pm	<b>Snake pipefish in the northeastern Atlantic Ocean: boom and bust in a panmictic population</b>	Kenyon Mobley (Finland)
	08:30pm- 08:55pm	<b>The seahorse population in Greece and especially the density, structure and habitat use in a semi-closed north-eastern Mediterranean marine area (Stratoni, north Aegean Sea)</b>	Vasilis Mentogiannis (Greece)
	08:55pm- 09:20pm	<b>Phylogeographical patterns of syngnathid fishes in Norhtwest Pacific</b>	Xin Wang (China)
<b>21 May, Friday</b>			
<b>Session (Genomics &amp; Genetics)</b>			
<b>Online Zoom ID: to be updated</b>			
<b>Suggested Moderator: Sarah Flanagan, Yanhong Zhang</b>			
<b>Time and Duration</b>		<b>Agenda</b>	<b>Person</b>
<b>21 May</b>	09:00am-	<b>Keynote Speech: Genomic data reveals the role of selection</b>	Sarah Flanagan

<b>Morning</b>	09:40am	<b>in the evolution of sex-role reversed pipefish</b>	(New Zealand)
	09:40am- 10:05am	<b>Comparative genomics reveal shared genomic changes in syngnathid fishes and signatures of genetic convergence with placental mammals</b>	Yanhong Zhang (China)
	10:05am- 10:30 am	<b>Genomic and morphological evidence of distinct populations in the endemic weedy seadragon <i>Phyllopteryx taeniolatus</i> along the east coast of Australia.</b>	O. Selma Klanten (Australia)
	10:30am- 10:40am	<b>Coffee break</b>	
	10:40am- 11:00am	<b>Wnt8a plays an essential role in the elongation of seahorse prehensile tail</b>	Bo Zhang (China)
	11:00am- 11:20am	<b>Expression patterns of alpha-2 macroglobulin reveal potential immune functions in brood pouch of the lined seahorse <i>Hippocampus erectus</i></b>	Yongli Wu (China)
	11:20am- 11:40am		
	11:40am- 12:00am		

### Meeting Time visualization

Day	Time		
	Morning	Afternoon	Evening
17 May	●	●	
18 May	★	★	
19 May	★	★	
20 May	*	*	☆
21 May	☆		

●: Meeting Registration

★: In-person & Online Meeting

☆: Online Meeting Only

\* : Inspection activities

#### Meeting Host:

South China Sea Institute of Oceanology, Chinese Academy of Sciences  
Key Laboratory of Tropical Marine Bio-Resources and Ecology, CAS  
Southern Marine Science and Engineering Guangdong Laboratory (Guangzhou)

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