



# The 2nd Congress of ASDCI

**SATURDAY, October 22, 2022**  
**08:15-17:30 (Beijing time)**

**Zoom Meetings:**

<https://us06web.zoom.us/j/81090994620?pwd=aUM3bDNpVXJFSEpkZUZOSUJlOFBsUT09>

**ID: 810 9099 4620 PASSWORD: 221022**

## Invited Plenary Speaker



### L. Courtney Smith

Professor in George Washington University, President of ISDCI. Research interests are the immunology of marine invertebrates with a focus on innate immune diversity in echinoderms and how it fits into the broader question of immune evolution.



### Kenneth Söderhäll

Professor in Uppsala University, Co-Editor-in-Chief Developmental and Comparative Immunology. Research interests are Invertebrate Immunity, melanization cascade, defence, and blood cell function and synthesis in crustacean animals.



### Brian Dixon

Professor in University of Waterloo, Co-Editor-in-Chief Developmental and Comparative Immunology, Co-Editor-in-Chief Fish and Shellfish Immunology Reports. Research interests are Antigen presentation, cytokines, antimicrobial peptides.



### Anlong Xu

Professor in Beijing University of Chinese Medicine, President of UCM. His main research is focusing on the functional genomics for understanding the origin and evolution of vertebrate immune system as well as discovering new drugs based on basic researches.



### Pin Nie

Professor in Qingdao Agricultural University. Research interests are fish and comparative immunology, particularly interferon, pathogenicity of fish-disease causing bacteria, parasite-host interaction and evolution.



### Miki Nakao

Professor in Kyushu University, President of Japanese Association of DCI and Vice President of ASDCI. Research Interest: Evolution and diversity of the complement system, innate immune response in primitive vertebrates.



### Kallaya Sritunyalucksana

Professor in National Center for Genetic Engineering and Biotechnology, Thailand. Research interests: Shrimp-pathogen interaction, Sustainable aquaculture.



### Qiwei Qin

Professor in South China Agricultural University, Dean of College of Marine Sciences. Research Interests: Molecular biology and functional genomics of fish viruses; Molecular immunology of fish



### Yongliang Zhang

Professor in National University of Singapore. Research interests are signal transduction in immunity, metabolism and cancer development.

## Agenda

### Plenary Lecture (Beijing Time)

08:30-09:20	The SpTransformer family and the complex immune system in the purple sea urchin	L. Courtney Smith
09:20-10:10	Antigen presentation in teleost fish	Brian Dixon
10:10-11:00	Tracing the Origin of V(D)J Recombination	Anlong Xu
11:00-11:50	Mucosal innate defense in carp fish involving T cells, complement system, and epithelial cells	Miki Nakao
13:10-14:00	Exploitation of the viral accommodation mechanism to control viral diseases in shrimp	Kallaya Sritunyalucksana
14:00-14:50	Synthesis and function of blood cells in a crustacean	Kenneth Söderhäll
14:50-15:40	Type IV IFN in vertebrates: IFN- $\epsilon$ and its class II cytokine receptors IFN- $\alpha$ 1 and IL-10R2	Pin Nie
15:40-16:30	DUSP4 regulates RIG-I and STING mediated antimicrobial immune responses	Yongliang Zhang
16:30-17:20	Single-cell RNA-seq landscape midbrain cell responses to red spotted grouper nervous necrosis virus (RGNNV) infection	Qiwei Qin