# **SPRINGER NATURE** Link



## **Editorial board**

Editor-in-Chief Prof. Zhanjiang (John) Liu, Ph.D. Vice President for Research and Professor of Biology Tennessee Tech University Cookeville, TN, USA E-mail: johnliu@tntech.edu

Associate Editors-in-Chief

**Prof. Claire Hellio, Ph.D.** Université de Bretagne Occidentale Brest, France claire.hellio@univ-brest.fr

**Prof. Yoshihiro Shiraiwa, Ph.D.** University of Tsukuba Login

Tsukuba, Japan shiraiwa.yoshihir.ft@u.tsukuba.ac.jp

#### **Reviews Editor**

Yonathan Zohar, Ph.D. Center of Marine Biotechnology Baltimore, Maryland, USA

#### **Editorial Board**

Jason W. Abernathy, Ph.D. United States Dept. of Agriculture - ARS Aquatic Animal Health Research Unit Stuttgart, AR, USA

Nick Aldred, Ph.D. Newcastle University Newcastle upon Tyne, UK

Håkan Andersson, Ph.D. Karolinska Institute Stockholm, Sweden

Atsushi Arakaki, Ph.D. Tokyo University of Agriculture and Technology Tokyo, Japan

**Shota Atsumi, Ph.D.** University of California, Davis Davis, CA, USA **Baolong Bao, Ph.D.** Shanghai Ocean University Shanghai, China

**Zhenmin Bao, Ph.D.** Ocean University of China Shandong, China

**Peggy R. Biga, Ph.D.** University of Alabama at Birmingham Birmingham, AL, USA

**Elizabeth Boulding, Ph.D.** University of Guelph Guelph, ON, Canada

Ian Bradbury, Ph.D. Science Branch, Fisheries and Oceans Canada St. John's, NL, Canada

**Songlin Chen, Ph.D.** Chinese Academy of Fisheries Science Beijing, China

Beth Cleveland, Ph.D. National Center for Cool and Cold Water Aquaculture United States Dept. of Agriculture Leetown, WV, USA

**Bernie Degnan, Ph.D.** University of Queensland Brisbane, QLD, Australia Andrew P. Desbois, Ph.D. Faculty of Natural Sciences University of Stirling Stirlingshire, UK

**Shaojun (Jim) Du, Ph.D.** University of Maryland, College Park, MD, USA

Mark Fast, Ph.D. University of Prince Edward Island, Charlottetown Prince Edward Island, Canada

**Danqing Feng, Ph.D.** Xiamen University Xiamen, China

**Shoko Fujiwara, Ph.D.** Tokyo University of Pharmacy and Life Sciences Tokyo, Japan

Ximing Guo, Ph.D. State University of New Jersey New Brunswick, NJ, USA

Tiago Henriques da Silva, Ph.D. University of Minho, Barco Barco, Guimarães, Portugal

Junichi Hikima, Ph.D. Miyazaki University Miyazaki, Japan

Ikuo Hirono, Ph.D. Tokyo University of Marine Science and Technology Tokyo, Japan

**Gen Hua Yue, Ph.D.** National University of Singapore Temasek Life Sciences Laboratory Singapore

**Koji Iwamoto, Ph.D.** Universiti Teknologi Malaysia Kuala Lumpur, Malaysia

**EonSeon Jin, Ph.D.** Hanyang University Seoul, Korea

**Shigeharu Kinoshita, Ph.D.** Graduate School of Agricultural and Life Sciences University of Tokyo Tokyo, Japan

Hidehiro Kondo, Ph.D. Tokyo University of Marine Science and Technology Tokyo, Japan

**Chao Li, Ph.D.** Qingdao Agricultural University Qingdao, China **Shaojun Liu, Ph.D.** Hunan Normal University Hunan, China

Shikai Liu, Ph.D. Ocean University of China Qingdao, China

Yun Li, Ph.D. Key Laboratory of Mariculture Ocean University of China, Ministry of Education Qingdao, China

Jamie Mankiewicz, Ph.D. North Caroline State University Raleigh, NC, USA

Yusuke Matsuda, Ph.D. Kwansei Gakuin University Hyogo, Japan

**Tadashi Matsunaga, Ph.D.** Japan Agency for Marine-Earth Science and Technology Yokosuka City, Kanagawa, Japan

Laurence Meslet-Cladière, Ph.D. University Laboratory of Biodiversity & Microbial Ecology University of Brest INRAE Plouzane, France

**Concetta Maria Messina, Ph.D.** Università degli Studi di Palermo Palermo, Italy

Hideaki Miyashita, Ph.D. Kyoto University Kyoto, Japan

**Takeshi Naganuma, Ph.D.** Hiroshima University Higashi-hiroshima, Japan

**Yutaka Nakashimada, Ph.D.** Hiroshima University Higashi-hiroshima, Japan

**Michiko Nemoto, Ph.D.** Okayama University Okayama, Japan

**Yohei Nishikawa, Ph.D.** National Institute of Advanced Industrial Science and Technology Waseda University Tokyo, Japan

**Shigeru Okada, Ph.D.** University of Tokyo Tokyo, Japan

Yoshiko Okamura, Ph.D. Hiroshima University Higashi-hiroshima, Japan

Mike Packer, Ph.D.

Algavive Limited Nelson, New Zealand

Francesco Pietra, Ph.D. Accademia Lucchese di Scienze Palazzo Ducale Venice, Italy

Maxence Plouviez, Ph.D. Cawthron Institute Nelson, New Zealand

Matthew Rise, Ph.D. Memorial University of Newfoundland St. John's, Canada

**Steven Roberts, Ph.D.** University of Washington Seattle, WA, USA

Naotsune Saga, D. Sc. Fisheries and Oceans Hakodate Hokkaido, Japan

Mohamed S. Salem, Ph.D. Middle Tennessee State University Murfreesboro, TN, USA

**Elena Sarropoulou, Ph.D.** Institute of Marine Biology, Biotechnology & Aquaculture Hellenic Centre for Marine Research Crete, Greece **Eitaro Sawayama, Ph.D.** Nehon University Kanagawa, Japan

**Peer Schenk, Ph.D.** University of Queensland Brisbane, QLD, Australia

Katsuhiko Shimizu, Ph.D.

**Tottori University** 

**Cláudia Serra, Ph.D.** Interdisciplinary Centre of Marine and Environmental Research Matosinhos, Portugal

Tottori, Japan **Koji Sode, Ph.D.** University of North Carolina at Chapel Hill North Carolina State University Chapel Hill, NC, USA

Baofeng Su, Ph.D. Auburn University Auburn, AL USA

**Zhenghong Sui, Ph.D.** Ocean University of China Qingdao, China

Iwane Suzuki, Ph.D. University of Tsukuba Ibaraki, Japan Michio Suzuki, Ph.D.

University of Tokyo Tokyo, Japan

**Tsuyoshi Tanaka, Ph.D.** Tokyo University of Agriculture & Technology Tokyo, Japan

Haruko Takeyama, Ph.D. Waseda University Tokyo, Japan

#### Olivier Thomas, Ph.D.

University of Galway Galway, Ireland

### Hiroshi Tomoda, Ph.D. Kitasato University

Tokyo, Japan

#### João Carlos Serafim Varela, Ph.D.

Universidade do Algarve Faro, Portugal

Shi Wang, Ph.D. Ocean University of China Qingdao, China

#### Shugo Watabe, Ph.D.

Kitasato University Tokyo, Japan Jun Hong Xia, Ph.D. Sun Yat-Sen University Guangzhou, China

**Peng Xu, Ph.D.** Xiamen University Xiamen, Fujian, China

**Ryosuke Yazawa, Ph.D.** Tokyo University of Marine Science and Technology Tokyo, Japan

**Goro Yoshizaki, Ph.D.** Tokyo University of Marine Science and Technology Tokyo, Japan

**Guofon Zhang, Ph.D.** Chinese Academy of Sciences Qingdao, China

Wei Zhang, Ph.D. Flinders University Marine Bioproducts Cooperative Research Center Adelaide, SA, Australia