

Satoshi Tomano

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EDUCATION

- PhD in Agriculture** **Mar 2017**
Graduate School of Biosphere Science, Hiroshima University, Hiroshima, Japan
Dissertation title: "A study on stock structure of the oval squid *Sepioteuthis* spp. around Japan"
Supervisor: Professor Dr. Tetsuya Umino
- MSc in Agriculture** **Mar 2014**
Graduate School of Biosphere Science, Hiroshima University, Hiroshima, Japan
- BSc in Agriculture** **Mar 2012**
Faculty of Applied Biological Science, Hiroshima University, Hiroshima, Japan

PROFESSIONAL EXPERIENCE

- Research Fellow of Japan Society for the Promotion of Science (JSPS)** **Nov 2019 – Mar 2022**
Atmosphere and Ocean Research Institute, The University of Tokyo, Japan
Associate Professor Dr. Yoko Iwata
Project: Behavioral and genetic approaches to understanding reproductive isolation in the sympatric squids genus *Sepioteuthis*
- Project Assistant Scientist / JSPS Overseas Research Fellow** **Nov 2017 – Oct 2019**
Department of Ecology and Evolutionary Biology, University of California Los Angeles, Unites States
Professor Dr. Paul Barber
Project: Next generation approach to understand population connectivity of oval squid in the West Pacific Oceans
- Postdoctoral Researcher** **Apr 2017 – Oct 2017**
Graduate School of Biosphere Science, Hiroshima University, Hiroshima, Japan
Supervisor: Professor Dr. Tetsuya Umino
Project: Genetic analysis of population structure of oval squid *Sepioteuthis* spp. in the northwest Pacific.
- JSPS Research Fellow** **Apr 2015 – Mar 2017**
Graduate School of Biosphere Science, Hiroshima University, Hiroshima, Japan
Supervisor: Professor Dr. Tetsuya Umino
Project: Conservation and ecological study on reproduction and stock contribution of oval squid *Sepioteuthis* spp. around Japan.

TEACHING / OTHER PROFESSIONAL ACTIVITIES

- Science & Technology Expert, National Institute of Science and Technology Policy 2018 – Present
- Committee member, South California Japan Scholar Forum 2018 – 2019
- Teaching assistant, Graduate School of Biosphere Science, Hiroshima University Apr 2012 – Mar 2017

RESEARCH GRANT

- Grants-in Aid for Young Scientists** **Apr 2021 – Mar 2024**
Funding Agency: Japan Society for the Promotion of Science (JSPS)
Role: PI, Amount: 4,550,000 JPY (Approximately 41,500 USD)
- Grants-in Aid for JSPS Fellows** **Apr 2019 – Mar 2022**
Funding Agency: Japan Society for the Promotion of Science (JSPS)
Role: PI, Amount: 4,420,000 JPY (Approximately 40,300 USD)
- JSPS Overseas Research Fellowships** **Nov 2017 – Apr 2019**
Funding Agency: Japan Society for the Promotion of Science (JSPS)
Role: PI, Amount: 10,512,000 JPY (Approximately 96,000 USD)
- Grants-in Aid for JSPS Fellows** **Apr 2015 – Mar 2017**
Funding Agency: Japan Society for the Promotion of Science (JSPS)
Role: PI, Amount: 1,700,000 JPY (Approximately 15,500 USD)

PUBLICATIONS

Peer-Reviewed

1. **Satoshi Tomano**, Shota Yasuhara, Motohiro Takagi, Tetsuya Umino. The genetic variability and population structure of the marbled rockfish *Sebastes marmoratus* in western Japan, inferred by microsatellite DNA markers. *Fisheries Science*, 85:1-10 (2019).
2. **Satoshi Tomano**, Gustavo Sanchez, Kentaro Kawai, Noriyasu Kasaoka, Yukio Ueta, Tetsuya Umino. Contribution of *Sepioteuthis* sp. 1 and *Sepioteuthis* sp. 2 to oval squid fishery stocks in western Japan. *Fisheries Science*, 82:585-596 (2016).
3. **Satoshi Tomano**, Gustavo Sanchez, Kanako Ueno, Yukio Ueta, Kenichi Ohara and Tetsuya Umino. Microsatellite DNA variation of oval squid, *Sepioteuthis* sp. 2 reveals a single fishery stock on the coastline of mainland Japan. *Fisheries Science*, 81: 839-847 (2015).
4. **Satoshi Tomano**, Yukio Ueta, Noriyasu Kasaoka and Tetsuya Umino. Stock identification and spawning depth of oval squid *Sepioteuthis* spp. in Tanega-shima Island inferred by DNA markers. *Aquaculture Science* 63: 39-47 (2015).
5. **Satoshi Tomano**, Kamarudin Ahmad-Syazni, Yukio Ueta, Kenichi Ohara and Tetsuya Umino. Eleven novel polymorphic microsatellite loci for oval squid *Sepioteuthis lessoniana* (Shiro-Ika Type). *International Journal of Molecular Sciences* 14: 19971-19975 (2013).
6. Yutaro Yamashita, Gustavo Sanchez, Kentaro Kawai, **Satoshi Tomano**, Hiroki Fujita, Tetsuya Umino. The role of the isolation of the marginal seas during the Pleistocene in the genetic structure of black sea bream *Acanthopagrus schlegelii* (Bleeker, 1854) in the coastal waters of Japan. *Peer J* (2021)
7. Hiroki Fujita, Kentaro Kawai, Ryota Taniguchi, **Satoshi Tomano**, Gustavo Sanchez, Takashi Kuramochi, Tetsuya Umino. Infestation of the Parasitic Isopod *Mothocya parvostis* on Juveniles of the Black Sea Bream *Acanthopagrus schlegelii* as an Optional Intermediate Host in Hiroshima Bay. *Zoological Science* 37: 544-553 (2020).
8. Manabu Asakawa, Takuya Matsumoto, Kohei Umezaki, Kyoichiro Kaneko, Ximiao Yu, Gloria Gomez-Delan, **Satoshi Tomano**, Tamao Noguchi, Susumu Ohtsuka. Toxicity and Toxin Composition of the Greater Blue-Ringed Octopus *Hapalochlaena lunulata* from Ishigaki Island, Okinawa Prefecture, Japan. *Toxins*, 11: 245 (2019)
9. Jun-ya Shibata, **Satoshi Tomano**, Tetsuya Umino, Takeshi Tomiyama, Yoichi Sakai, Satoshi Nakai, Tetsuji Okuda, Wataru Nishijima. Isolation, Characterization and PCR Multiplexing of Microsatellite Loci for Western Sand Lance (*Ammodytes japonicus* Duncker and Mohr 1939), *Japan Agricultural Research Quarterly*, 52:307-313 (2018)
10. Kentaro Kawai, Ryuma Okazaki, **Satoshi Tomano** and Tetsuya Umino DNA identification and seasonal changes of pelagic fish eggs in Hiroshima Bay. *Nippon Suisan Gakkai*, 83: 215-217 (2017)
11. Gustavo Sanchez, **Satoshi Tomano**, Carmen Yamashiro, Ricardo Fujita, Toshie Wakabayashi, Mitsuo Sakai and Tetsuya Umino. Population genetics of the jumbo squid *Dosidicus gigas* (Cephalopoda: Ommastrephidae) in the northern Humboldt Current System based on mitochondrial and microsatellite DNA markers. *Fisheries Research* 175:1-9 (2016).
12. Gustavo Sanchez, **Satoshi Tomano**, Tetsuya Umino, Toshie Wakabayashi and Mitsuo Sakai. Evaluation of the 5' end of the 16S rRNA gene as a novel DNA barcode marker for Cephalopoda. *Fisheries Science* 82: 279-288 (2016).
13. Kamarudin Ahmad-Syazni, **Satoshi Tomano**, Kanako Ueno, Kenichi Ohara and Tetsuya Umino. Genetic structure of yellowfin black seabream *Acanthopagrus latus* in western Japan based on microsatellite and mtDNA marker analyses. *Aquaculture Science* 63: 17-27 (2015).

Non Peer-Reviewed

1. Kamarudin Ahmad-Syazni, Masaki Yamamoto, Naoki Tahara, **Satoshi Tomano**, Yuka Ishihi, Masaharu Tokuda and Tetsuya Umino (2013) Trophic status of 24 aquatic species in Hiroshima Bay inferred from stable isotope ratio. *Biosphere Science* 52: 1-7.

AWARDS AND HONOURS

Research Fellowship of JSPS for Young Scientists	Apr 2019 – Present
The Dimitris N. Chorafas Foundation awards the year 2017 in Life Sciences & Medicine	Jul 2017
Hiroshima University Excellent Student Scholarship	Dec 2016 & Dec 2013
2016 ASIA-PACIFIC 3MT FINALIST, 3-Minutes Thesis Competition Asia-Pacific Finalist	Sept 2016
People' Choice Gold award, 3-Minutes Speech Competition for Future Doctors 2016	Sept 2016
Runner Up award, Three Minutes Speech Competition for Future Doctors 2016	Sept 2016
Hiroshima University President Award	Apr 2016
Best student poster award, Conference 2015, Cephalopod International Advisory Council,	Nov 2015

People' Choice Gold award, 3-Minutes Speech Competition for Future Doctors 2015	Nov 2015
Research Fellowship for Young Scientists	Apr 2015 – Mar 2017
Travel Grant for international scientific conference, Hiroshima University	Apr 2015&Sept 2014
Dean's Award, Graduate School of Biosphere Science, Hiroshima University	Mar 2014
Dean's Award, Faculty of Applied Biological Science, Hiroshima University	Mar 2012
Vice-President Award, Hiroshima University	Feb 2012

PRESENTATIONS

1. **Satoshi Tomano**, Samantha Cheng, Tetsuya Umino, Richard Young. Assessment of cryptic diversity of big-fin reef squid *Sepioteuthis* cf. *lessoniana* in Hawaii Islands. Japanese Society for Fisheries Science. Tokyo, 26-30 Mar 2019.
 2. **Satoshi Tomano**, Samantha Cheng, Tetsuya Umino and Paul Barber. Population structure in two co-occurring cryptic species of big-fin reef squid in Indo-western Pacific Ocean. "Cephalopod International Advisory Council Conference 2018". St. Petersburg, Florida, USA 12-16 Nov 2018.
 3. **Satoshi Tomano**, Gustavo Sanchez and Tetsuya Umino. Geographical distribution and spawning depth of *Sepioteuthis* sp. 1 and sp. 2 in southwest Japan. CIAC2015, Hokkaido, Japan, 6-14 Nov 2015. [Poster Presentation, **Best student poster award**]
 4. **Satoshi Tomano**, Yukio Ueta and Umino Tetsuya. Analysis of genetic variability and phylogeny of the oval squid *Sepioteuthis lessoniana* around Japan. 9th International Symposium Cephalopods – Present and Past, University of Zurich, Switzerland, 4-14 Sept 2014. [Oral presentation]
 5. **Satoshi Tomano** and Tetsuya Umino. Genetic diversity of the big-fin reef squid *Sepioteuthis lessoniana* around Japan. 24th Annual Philippine Biodiversity Symposium. University of Eastern Philippines, Philippines, 14-17 April 2015. [Oral presentation]
- Oral presentations in domestic conferences: 7 times

Signature: Satoshi Tomano

Date: June 2, 2021