

Stickleback Day - 2022

IX international seminar

26 и 27 February 2022

Department of Ichthyology and Hydrobiology, St Petersburg University
Zoom

In the end of each session a discussion of further plans is arranged

26 February, Saturday

Session 1 (10.00-13.00). Adult threespine stickleback of the White sea

Organizer – **Tatiana Ivanova** (SPBU)

Pavel Mikheev (Perm State University): Microchemistry of otoliths

Nikolay Bardukov (the A.N. Severtsov Institute of Ecology and Evolution RAS, Moscow):
Phylogeography of the threespine stickleback – results and prospects

Tatiana Ivanova (Saint Petersburg University): Coastal and pelagic monitoring of the threespine stickleback in the summer period

Charlie Guffens (Institut Supérieur Industriel d'agronomie, Бельгия). Analysis of the fish growth using reverse charge

Ekaterina Nadochii (SPBU): Analysis of the stickleback color

Anna Podlevskikh (SPBU): Threespine stickleback cannibalism

Break (13.00-14.00)

Session 2 (14.00-15.30). Video recording and image analysis

Organizer – **Dmitry Lajus** (SPBU)

Evgeny Genelt-Yanovskiy (ZIN RAS): Video observations BRUV (baited-remote underwater video)

Daniil Tashbaev (SPBU): Migration and distribution of stickleback in Yushkovka Bay (White Sea)

Sabrina Sadiekh (University of Petrozavodsk): Using neural networks to analyze video materials and process results

Session 3 (15.30-16.00). Monitoring of coastal fish communities and feeding of predators

Organizer – **Татьяна Иванова** (SPBU)

Tatiana Ivanova (SPBU): Current state of monitoring coastal fish communities

Danila Melentiev (SPBU): Feeding of the European sculpin in the White Sea

27 February, Sunday

Session 4 (11.00-12.00). Parasitological research

Organizer – **Dmitry Lajus** (SPBU)

Elena Rybkina (ZIN RAS): Interannual and spatial variability in the composition of juvenile stickleback parasites in the White Sea

Pavel Golovin (Saint Petersburg University (SPBU)): Features of the distribution of metacercariae *Cryptocotyle* spp. in juveniles and adults of threespine stickleback in coastal biotopes of the White Sea in summer

Session 5 (12.00-13.00). Juvenile threespine stickleback of the White Sea

Organizer – **Tatiana Ivanova** (SPBU)

Tatiana Ivanova (SPBU): Review of available data on juveniles of the White Sea threespine stickleback

Alexey Rolskiy (PINRO, Murmansk): Determination of sex in juvenile threespine stickleback by methods of molecular genetic analysis

Session 6 (13.00-14.00). Ninespine stickleback – research within the RSF project

Organizer – **Mikhail Ivanov** (SPBU)

Break (14.00-15.00)

Session 7 (15.00-16.30). Research of the White Sea herring

Organizer – **Dmitry Lajus** (SPBU)

Tatiana Ivanova (SPBU): Larval-plankton surveys

Dmitry Lajus (SPBU): Counting herring eggs in the spawning grounds of Chupa Bay

Session 8 (16.30-18.30). Plans

Organizer – **Mikhail Ivanov** (СПбГУ)

Mikhail Ivanov (SPBU): Plans for expedition work in winter and summer, in the Baltic and the White Sea (discussion and plans correction)