



Programme

of a conference on May 13 – 17, 2019
Saint Petersburg, Russia



Use of molecular-genetic and morphological methods to study the taxonomy, phylogeny, biogeography, and ecology of *Eurytemora* species

Monday, May 13

11.00-12.00 Registration

12.00-12.40 Opening ceremony

Opening speech of Temporary Acting Director of ZIN RAS S.Ju.Sinev

Plenary session I: Phylogeny

12.20-13.00 Carol Eunmi Lee. Defining "Species" within the *Eurytemora affinis* Species Complex: Data from morphology, genetics, and reproductive isolation across the entire complex.

13.00-14.00 Lunch

14.00-14.40 Natalia I. Abramson. About new approaches and possibilities of molecular methods. The impact of these new methods on research in the field of phylogeny, ecology and cryptic speciation.

14.40-15.10 Petr P. Strelkov. Genetic consequences of landlocking for marine invertebrates and fishes from marine lakes.

15.10-15.40 Coffee break

Session I: Phylogeny

15.40-16.00 Natalia Sukhikh. Phylogeny of *Eurytemora* genus with with an emphasis on complex of species *Eurytemora affinis*.

16.00-16.20 Elena Kochanova. Using of molecular clocks in Copepoda studies.

16.20-16.40 Vincent Castric, Gesche Winkler, Sami Souissi. Genetic heterogeneity among *Eurytemora affinis* populations in Western Europe.

16.40-17.00 Coffee break

17.00- 17.20 Nikolaos V. Schizas. Sympatry of distinct mitochondrial DNA lineages in a copepod inhabiting estuarine creeks in the southeastern USA

17.20- 18.00 Discussion of the day

Tuesday, May 14

Plenary session 2: Taxonomy

11.00- 11.40 Victor R. Alekseev. Cosmopolitan species, double species. Molecular genetic diagnostics and perspectives of zoological systematics.

11.40-12.20 Dmitry Lajus. Stochastic variation among aquatic organisms with emphasis on *Eurytemora* species: fluctuation asymmetry and bet hedging.

12.20-12.40 Coffee break

Session 2: Taxonomy

12.20-12.40 Sługocki Łukasz. Variability of mandible shape in freshwater glacial relict *Eurytemora lacustris*.

12.40-13.00 Vezhnavets Vasil. The genus *Eurytemora* in the waterbodies of Belarus.

13.00-13.20 Anissa Souissi, Victor Alekseev, Natalia Sukhikh. On new subspecies of *Eurytemora affinis* in Europe.

13.20-14.40 Lunch

14.40-15.00 Denis Zavarzin, Natalia Sukhikh, Victor R. Alekseev. New species *Eurytemora sachalinensis* sp.n. from Russian Far East.

15.00-15.20 Inta Dimante-Deimantovica. *Eurytemora* species in Norway.

15.20-15.40 Elena G. Krupa. *Eurytemora* species of Kazakhstan waters.

15.40-16.00 Coffee break

Session 3: Biogeography

16.00-16.20 Ekaterina Abramova. Distribution of *Eurytemora* species within Arctic region.

16.20-16.40 Alexander Novicov. The species of *Eurytemora* genus in fresh and brakish waters of the Lena River Delta - Laptev Sea region.

16.40-17.00 Elena Fefilova. About systematic of Palaearctic *Eurytemora* (Calanoida, Copepoda) on base of their morphology analysis.

17.00-17.30 Discussion of the day

Wednesday, May 15

Trip by boat to Peterhof Museum, Peterhof Palace (one of the most beautiful palaces in the world) and festival diner.

Thursday, May 16

Plenary session 4: Ecology

11.00- 11.40 Gesche Winkler. Differential functional traits and ecological niches of co-occurring sibling species of the “*Eurytemora affinis* complex” in an important fish nursery zone of the St. Lawrence estuary, Canada

11.40-12.20 Jiang-Shiou Hwang. Evaluation of the copepod *Eurytemora affinis* life history response to temperature and salinity increases

12.20-12.40 Coffee break

Session 4: Ecology

12.20-12.40 Sami Souissi, Anissa Souissi. Population response of the estuarine copepod *Eurytemora affinis* to its bioaccumulation of trace metals

12.40-13.00 James Pierson. Egg production by the copepod, *Eurytemora affinis*, in Chesapeake Bay turbidity maximum regions

13.00-13.20 Evgeny Barabanshchikov. Distribution, dynamics of abundance and biomass of species of the genus *Eurytemora* in water bodies of Primorye Territory

13.20-14.40 Lunch

14.40-15.00 Anna Semenova. Seasonal and interannual dynamics *Eurytemora affinis* (Poppe, 1880) as key species in Vistula Lagoon of the Baltic Sea

15.00-15.20 Alexander Tmpe, Bart De Stasio. Comparison of an Electron Transport System (ETS) enzyme-mediated reduction assay and respiration rate of the invasive copepod *Eurytemora carolleeae* in Green Bay, WI, USA

15.20-15.40 Nataliya Polyakova, Aleksey Starcov. *Eurytemora sp.* in the rock pools of the White Sea islands.

15.40-16.00 Coffee break

16.00-17.00 **Poster session**

17.00-17.30 Discussion of the day

Fryday, May 17

11.00- 13.30 Natalia Abramson, Natalia Sukhikh, Carol Lee. Molecular-genetic master-class on *Eurytemora* species in the Centre of collective usage of ZIN RAS.

13.30-15.00 Lunch and transfer to the main building of ZIN RAS

15.00-17.30 Victor Alekseev, Elena Fefilova, Elena Abramova. Taxonomic training on *Eurytemora* species

17.30-17.45 Coffee break

17.45-18.15 Closing ceremony

Председатель программного комитета:



проф. ДБН, Гл. Научный сотрудник Алексеев В.Р.

20.02.2019