

PEC 2014 - list of posters

1. Andrzej Antol, Marcin Czarnoleski

Do larger mothers produce larger babies? A comparative study on the common rough woodlouse (*Porcellio scaber*).

2. Ewa Babkiewicz, Piotr Maszczyk and Z. Maciej Gliwicz

Heterogeneity in prey distribution allows for higher food intake and variability among planktivorous fish

3. Piotr Bentkowski, Hywel T. P. Williams, Timothy M. Lenton, Thomas Mock

Modelling evolution of genome size in free-living prokaryotes

4. Paulina Borówka

Genetic and environmental factors of human skin pigmentation

5. Magdalena Czajkowska

A novel functional polymorphism in the fatty acid desaturase 2 gene (*Fads2*): possible role in basal metabolic rate

6. Marcin Czarnoleski, Anna Maria Labecka, Zuzana Starostová, Lukáš Kubička, Lukáš Kratochvíl, Anna Sikorska, Elżbieta Bonda-Ostaszewska, Jan Kozłowski

Effects of developmental temperature on the size of somatic cells in the Madagascar ground gecko (*Paroedura picta*)

7. Maciej Jan Dańko and Jan Kozłowski

Two faces of extrinsic mortality in shaping life histories and evolution of aging in stable populations

8. Piotr Dawidowicz, Joanna Pijanowska, Barbara Pietrzak

The effect of temperature and fish kairomone on escape ability in *Daphnia*

9. Natalia Derus, Anna Maria Labecka, Marcin Czarnoleski

Does life at different latitudes varies cell size and body size of the lizard *Sceloporus undulatus*?

10. Gębczyński A.K., Sadowska J., Konarzewski M.

Non-shivering thermogenesis in mice selected for high aerobic capacity

11. Michał Gładalski, Mirosława Bańbura, Adam Kaliński, Marcin Markowski, Joanna Skwarska, Jarosław Wawrzyniak, Piotr Zieliński, Jerzy Bańbura

Impact of human-caused disturbance on breeding success of the Blue Tit *Cyanistes caeruleus* in two habitats: an urban parkland and a deciduous forest

12. Maria J. Gołąb, Szymon Śniegula

Let's mate here and now: on seasonal constraints and mating efficiency in a damselfly

13. Agnieszka Gozdek, Bartosz Schramm, Marcin Czarnoleski, Jan Kozłowski, Ulf Bauchinger

Allometric scaling of discontinuous gas exchange patterns in Carabidae

14. Gózdź Iga, Dubreuil Charlotte, Mazgajski Tomasz D.

Nest parameters influence incubation pattern: differences in three coexisting tit species: Great, Blue and Coal Tits.

15. Magdalena Herdegen, Heather J. Alexander, Wiesław Babik, Jesús Mavárez, Felix Breden, Jacek Radwan

Population structure of guppies in north-eastern Venezuela, the area of putative incipient speciation

16. Adam Hermaniuk, Jan R. E. Taylor, and Mariusz Rybacki

Temperature-related effects on cells size, body size and growth rate in diploid and triploid hybridogenetic edible frogs (*Pelophylax esculentus*)

17. Monika Karpińska, Paweł Brzęk, Marek Konarzewski

Litter size and sex ratio in mice divergently selected for high and low basal metabolic rate

18. Adam Krupski, Anna Dubiec

Clutch and egg size variation in relation to infection with malaria parasites in the blue tit

19. Katarzyna Kwiatkowska, Janusz Majecki

Life strategy and dynamics of egg laying behaviour of *Chaetopteryx villosa* (Trichoptera: Limnephilidae)

20. Mateusz Ledwoń

Offspring desertion in the Whiskered Tern *Chlidonias hybrida* – preliminary data

21. Matosiuk Maciej, Czajkowska Magdalena, Świśtocka Magdalena, Borkowska Anetta
No evidence for recent introgressive hybridization between European and Siberian roe deer in Poland
22. Andrzej Mikulski, Danuta Tycner
Maternal effect in salinity tolerance of *Daphnia*.
23. Rafał Milanowski, Natalia Pałczyńska
Mechanism of nonconventional introns removal – hypothesis
24. Łukasz Ołdakowski, Aleksandra Wasiluk, Edyta T. Sadowska, Paweł Koteja, Jan R.E. Taylor
Reproduction is not costly from oxidative point of view.
25. Dagmara Rachalewska, Lidia Marszał
Reproductive traits of spiralin *Alburnoides bipunctatus* in the Vistula River basin
26. Katarzyna Roguz, Małgorzata Stpiczyńska, Massimo Nepi, Marcin Zych
Male-biased nectar production in *Angelica sylvestris* L. (Apiaceae) is in accordance with the plant sexual selection theory
27. Agata Rudolf, Edyta T. Sadowska, Geoffrey Dheyongera, Paweł Koteja
Ageing of Electron Transport System in bank voles selected for high aerobic capacity
28. Julita Sadowska, Andrzej K. Gębczyński, Marek Konarzewski
Metabolic risk factors in mice divergently selected for BMR fed high fat and high carb diets
29. E. T. Sadowska, M. Trappschuh, U. Maiti, W. Goymann, P. Koteja
Baseline corticosterone levels in bank voles from a multidirectional artificial selection experiment: preliminary data
30. Edwin Sieredziński
To be or not to be apterous – case of some non-biting midges and stoneflies and wingless species evolution mechanism
31. Anna Sztencel-Jabłonka, Tomasz D. Mazgajski, Stanisław Bury, Bartłomiej Najbar, Mariusz Rybacki, Wiesław Bogdanowicz, Joanna Mazgajska
Phylogeography of the smooth snake (*Coronella austriaca*) in Central Europe
32. Szymon Śniegula, Maria J. Gołąb, Szymon M. Drobniak, Frank Johansson
Seasonal time constraints reduce genetic variation in life history traits along a latitudinal gradient
33. Magdalena Świśtocka
Complex patterns of population genetic structure of moose, *Alces alces* after recent spatial expansion in Poland revealed by sex-linked markers
34. Edyta Turniak, Bartosz Borczyk
Allometry and sexual dimorphism on the postcranial skeleton of viviparous lizard *Zootoca vivipara* (Lacertidae: Sauria).
35. Benjamin Waclawik
***Wolbachia* strains diversity as possible trait to use in integrative approach to weevil taxonomy-case of *Liophloeodes* subgenus**
36. Aleksandra Walczyńska, Anna Kiełbasa, Jan Kozłowski
Seasonal changes in the body size of two rotifer species follow the Temperature-Size Rule
37. Radosław Włodarczyk, Piotr Minias, Włodzimierz Meissner, Agnieszka Ożarowska, Anna Piasecka, Krzysztof Kaczmarek, Tomasz Janiszewski
Evolution of wing shape in shorebirds as an adaptation to long distance migration
38. Karolina Węcek, Jacek M. Szymura
Archival mitochondrial genome sequences of the emblematic founders of the restituted European bison population explain low genetic variability in the present herd
39. Robert Zubkowicz
Plant environment changes in Municipal Zoological Garden in Warsaw