

## [Wurmlab](#)

Community: Journal table of contents highlights

**\*\*published between 1st and last day of **JANUARY**\*\*** (in print **\*and\*** early access). **\*\*Finish it by February 12th\*\***. Please add everything as nested bullet-points.

CTRL-K for links

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Look at the table of content duties [here](#) (github)

- [Am Nat](#)
  - Dridi & Erol Akçay. [Learning to Cooperate: The Evolution of Social Rewards in Repeated Interactions](#)
  - Diane C. Wiernasz and Blaine J. Cole [Offspring Size and Reproductive Allocation in Harvester Ants](#)
- [Bioinformatics](#)
  - [DART: a fast and accurate RNA-seq mapper with a partitioning strategy](#). Claims to be faster than other RNA-seq mappers at a higher or comparable sensitivity and accuracy. Speed is improved by using a “seed and cluster” approach to alignment instead of “seed and extend” (dynamic programming).
  - [CCmiR: a computational approach for competitive and cooperative microRNA binding prediction](#). Claims to be the only software that takes into account relative abundance of miRNAs and mRNAs for predicting binding sites.
  - [SNPDeIScore: combining multiple methods to score deleterious effects of noncoding mutations in the human genome](#). Database of deleterious mutations and their deleteriousness. Provided by NCBI. Currently only for humans.
- [Cell](#)
- [Current Biology](#)
  - [Krupenye, C., Hare, B., n.d. Bonobos Prefer Individuals that Hinder Others over Those that Help. Current Biology 28, 280–286.e5. <https://doi.org/10.1016/j.cub.2017.11.061>](#)
- [eLife](#)
  - [Ruby, J.G., Smith, M., Buffenstein, R., 2018. Naked mole-rat mortality rates defy Gompertzian laws by not increasing with age. eLife 7, e31157. <https://doi.org/10.7554/eLife.31157>](#)
- [Evolution](#)
  - Petri Rautiala, Heikki Helanterä, Mikael Puurtinen. [The evolutionary dynamics of adaptive virginity, sex-allocation, and altruistic helping in haplodiploid animals](#). Doi: 10.1111/evo.13399.
- [GBE](#)
- [Genome Biol](#)
  - Michał Szpak et al [FineMAV: prioritizing candidate genetic variants driving local adaptations in human populations <https://doi.org/10.1186/s13059-017-1380-2>](#)
  - Gerben Menschaert et al [The proBAM and proBed standard formats: enabling a seamless integration of genomics and proteomics data <https://doi.org/10.1186/s13059-017-1377-x>](#)
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- [Genome Res](#)
  - Han et al. [SIDR: simultaneous isolation and parallel sequencing of genomic DNA and total RNA from single cells](#) doi: 10.1101/gr.223263.117
- [Insectes Sociaux](#)
- [Journal of Evolutionary Biology](#)

- Voillemot *et al* (2018), [The divergence history of the perennial plant \*Linaria cavanillesii\* confirms a recent loss of self-incompatibility](#). doi:10.1111/jeb.13209
- **MBE**
- [Mol Ecol](#)
- [Myrmecological News](#)
- [Nature](#)
  - Moreno-Mayar *et al*. [Terminal Pleistocene Alaskan genome reveals first founding population of Native Americans](#). doi:10.1038/nature25173.
  - Bakhoun *et al*. [Chromosomal instability drives metastasis through a cytosolic DNA response](#). doi:10.1038/nature25432.
- [Nature Comms](#)
- [Nature Genetics](#)
  - Smith, J.J., Timoshevskaya, N., Ye, C., Holt, C., Keinath, M.C., Parker, H.J., Cook, M.E., Hess, J.E., Narum, S.R., Lamanna, F., Kaessmann, H., Timoshevskiy, V.A., Waterbury, C.K.M., Saraceno, C., Wiedemann, L.M., Robb, S.M.C., Baker, C., Eichler, E.E., Hockman, D., Sauka-Spengler, T., Yandell, M., Krumlauf, R., Elgar, G., Amemiya, C.T., 2018. The sea lamprey germline genome provides insights into programmed genome rearrangement and vertebrate evolution. *Nature Genetics*. <https://doi.org/10.1038/s41588-017-0036-1>
  - [Hidden genetic variation shapes the structure of functional elements in \*Drosophila\*](#) doi:10.1038/s41588-017-0010-y
  - [Shared genetic effects on chromatin and gene expression indicate a role for enhancer priming in immune response](#) doi:10.1038/s41588-018-0046-7
- [Nature Methods](#)
- [Plos Biol](#)
  - Günther *et al*. [Population genomics of Mesolithic Scandinavia: Investigating early postglacial migration routes and high-latitude adaptation](#). <https://doi.org/10.1371/journal.pbio.2003703>.
- [Plos Comp Biol](#)
- [Plos Genet](#)
  - Rohan Maddamsetti & Richard E. Lenski [Analysis of bacterial genomes from an evolution experiment with horizontal gene transfer shows that recombination can sometimes overwhelm selection](#) <https://doi.org/10.1371/journal.pgen.1007199>
  - Matt Ravenhall *et al* [Novel genetic polymorphisms associated with severe malaria and under selective pressure in North-eastern Tanzania](#) <https://doi.org/10.1371/journal.pgen.1007172>
- [PNAS](#)
  - Evolutionary transition from blood feeding to obligate nonbiting in a mosquito <https://doi.org/10.1073/pnas.1717502115>
- [Proc B](#)
  - Blumstein, D.T., Williams, D.M., Lim, A.N., Kroeger, S., Martin, J.G.A., 2018. Strong social relationships are associated with decreased longevity in a facultatively social mammal. *Proc Biol Sci* 285. <https://doi.org/10.1098/rspb.2017.1934>
- [Science](#)
- [TREE](#)
- [Trends in Genetics](#)
  - Sarah Elizabeth Albritton, Sevinç Ercan. [Caenorhabditis elegans Dosage Compensation: Insights into Condensin-Mediated Gene Regulation](#). <https://doi.org/10.1016/j.tig.2017.09.010>.
- Other papers/tools that you feel someone should have seen:
  - BioRxiv
  - Genetics

- Heredity
- Aging
- Mol Cell Biol
- J Gerontol
- Methods in Ecology and Evolution
- Current Opinion in Insect Science