

Call for Papers

The **Computational Structural Bioinformatics Workshop (CSBW 2022)** invites high-quality original papers and posters on developments in computational problems relating to biomolecular structure. Authors of accepted papers will be given the opportunity to give a 20-minute oral summary of their work, with time for questions. At least one author of an accepted paper is required to register for the workshop to have the manuscript appear in the official conference proceedings.

At this time, the workshop is scheduled to be held in-person/hybrid in conjunction with IEEE-BIBM in Las Vegas, NV. However, depending on pandemic contention measures, the conference and workshop may be moved to fully online.

Full paper submissions are due on October 10, 2022.

Submit your paper to CSBW 2022 [here](#).

For more information about CSBW 2022, please visit: cs.wvu.edu/csbw

Full manuscripts and poster abstracts are accepted. Both will be published in the conference proceedings. Submitted paper manuscripts should not exceed 8 pages in IEEE template on 8.5 × 11 inch paper, and poster abstracts not to exceed 2 pages. Pending the outcome of an NSF workshop proposal, partial travel support and registration costs may be covered for all undergraduate and graduate students who are co-authors and presenters of manuscripts or posters.

The workshop seeks 2-page poster abstracts on developments or significant works in progress towards computational problems relating to molecular structure. A poster session will expand scientific dialogue at the workshop and train students in scientific communication. Authors of accepted posters will have unhurried opportunities to communicate their results. All accepted papers and poster abstracts will be published in the IEEE Xplore digital library in the proceedings of the IEEE-BIBM Conference.

Special Journal Issue. Authors of accepted manuscripts will be invited to submit extended versions of their manuscripts to a special journal issue devoted to the workshop. In past workshops, special issue submissions appeared in *Molecules*, *Biomolecules* and the *Journal of Computational Biology*.

Possible topics (but not limited to), include the following: Structure representation, prediction, and alignment; Biomolecular interaction and docking; Molecular dynamics simulations; Biomolecular graphics; Coarse-grained modeling; Data mining of structural data; Structural genomics; Optimization in structural problems; High-performance computing in modeling; Graph theory applied to structural problems; Structure-based drug design.