

## [Dynamic reconfiguration of noniterative scientific applications: A case study with HPG aligner](#)

**URL:** <https://journals.sagepub.com/doi/abs/10.1177/1094342018802347>

**Authors:** [Iserte, Sergio](#) / [Martínez, Héctor](#) / [Barrachina, Sergio](#) / [Castillo, Maribel](#) / [Mayo, Rafael](#) / [Pena, Antonio](#)

**Research Lines:** [Message Passing Interface \(MPI\)](#)

**Publication:** International Journal of High Performance Computing Applications

**Volume / Number / Pagination:** 33 / 5 / 804-816

**Paraules clau:** [Adaptive workload](#), [bioinformatics productivity](#), [dynamic resource management](#), [High-throughput computing](#), [MPI malleability](#)

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

---

**Source URL (retrieved on 18 des 2024 - 12:52):** <https://www.bsc.es/ca/research-and-development/publications/dynamic-reconfiguration-noniterative-scientific-applications>