NCI eNews October
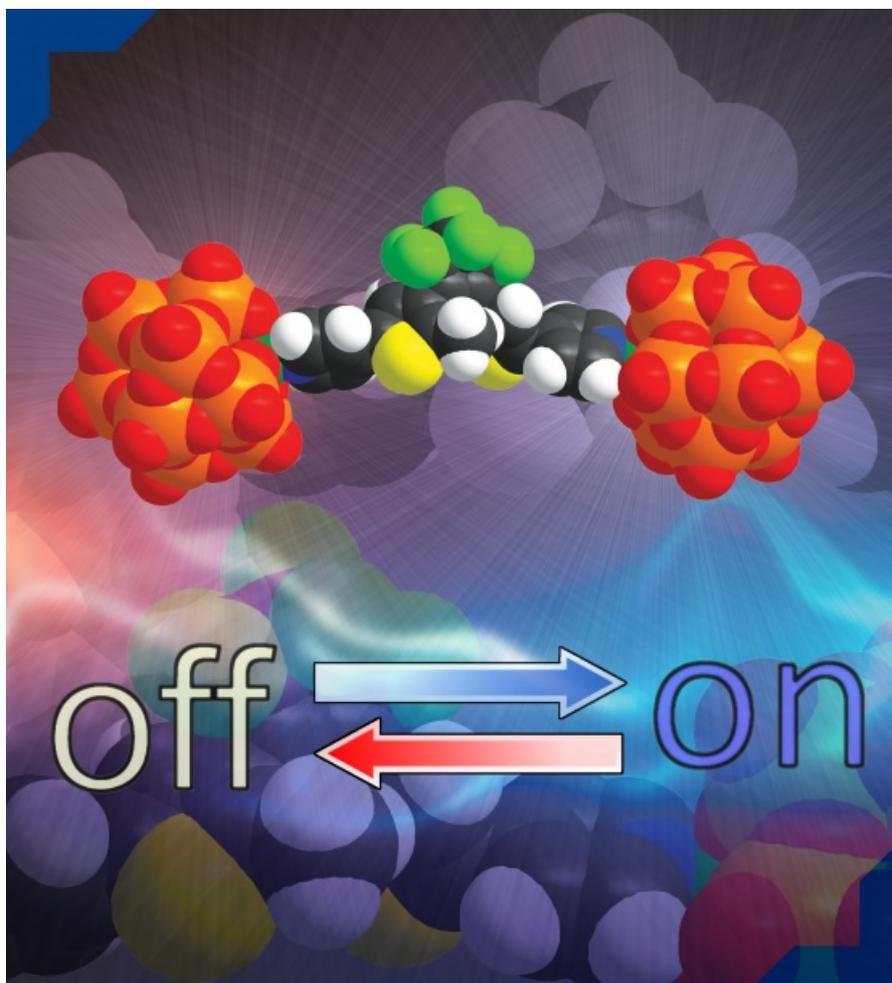
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Pushing the boundaries to create a world-class supercomputer
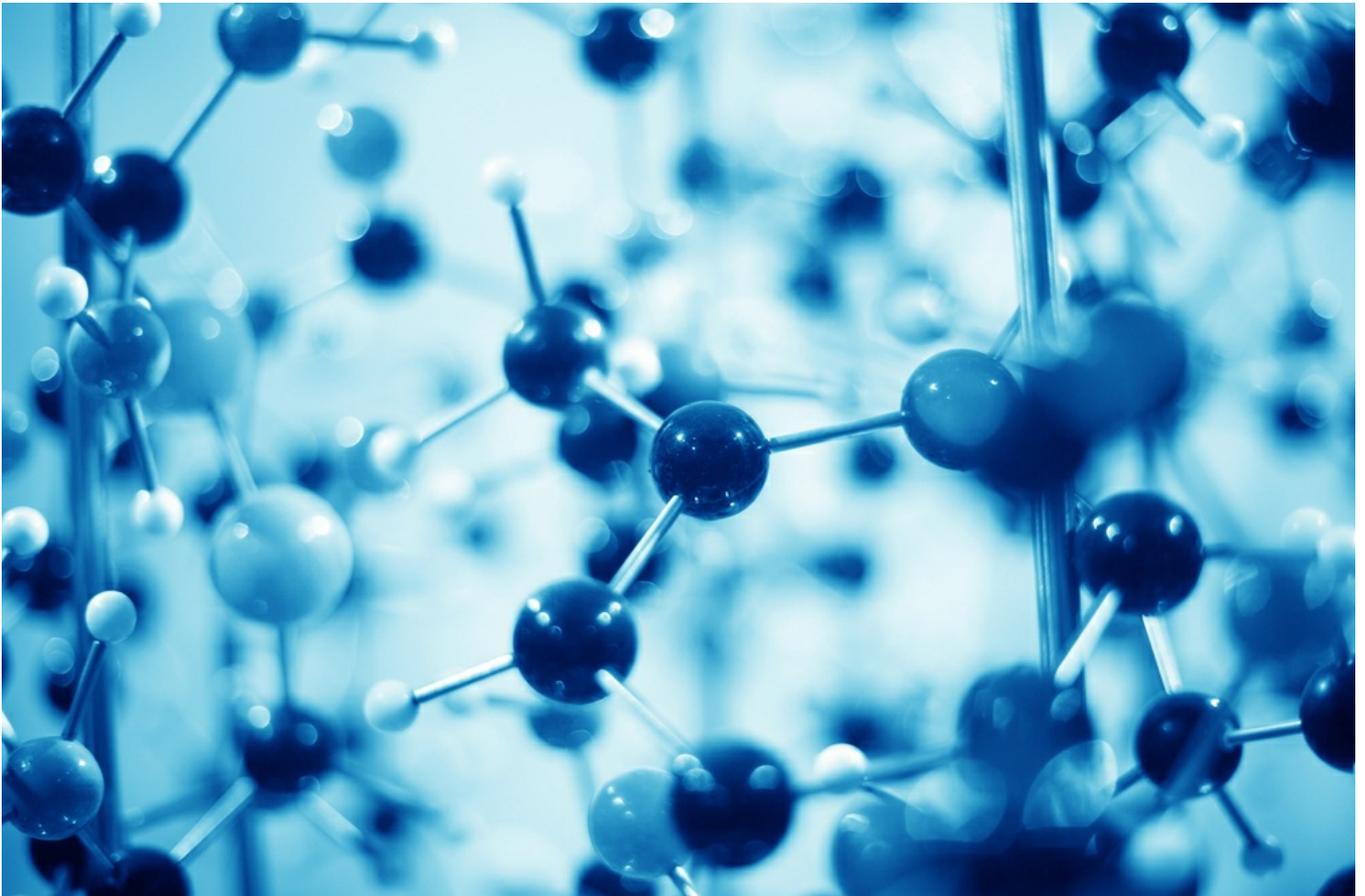
Learn how NCI's HPC Team has created Australia's most powerful supercomputer using technology not fundamentally different to your typical desktop computer. Read more.

Light-activated compound changes colour

A team of researchers have designed, prepared and described the first reported example of a particular, light-reactive chemical compound using a mix of experimental observations and computational models run on the NCI Australia supercomputer. [Read more.](#)

Unlocking the power of enzymes
New research performed on Raijin could hold the key to enzymes that can break down toxic pollutants or heal wounds faster.

Read more.

Stronger winds could trigger rapid change
An increase in average wind speeds well within the range predicted by the end of this century could lead to abrupt physical changes in the Southern Ocean, with significant implications for climate change. Read more.
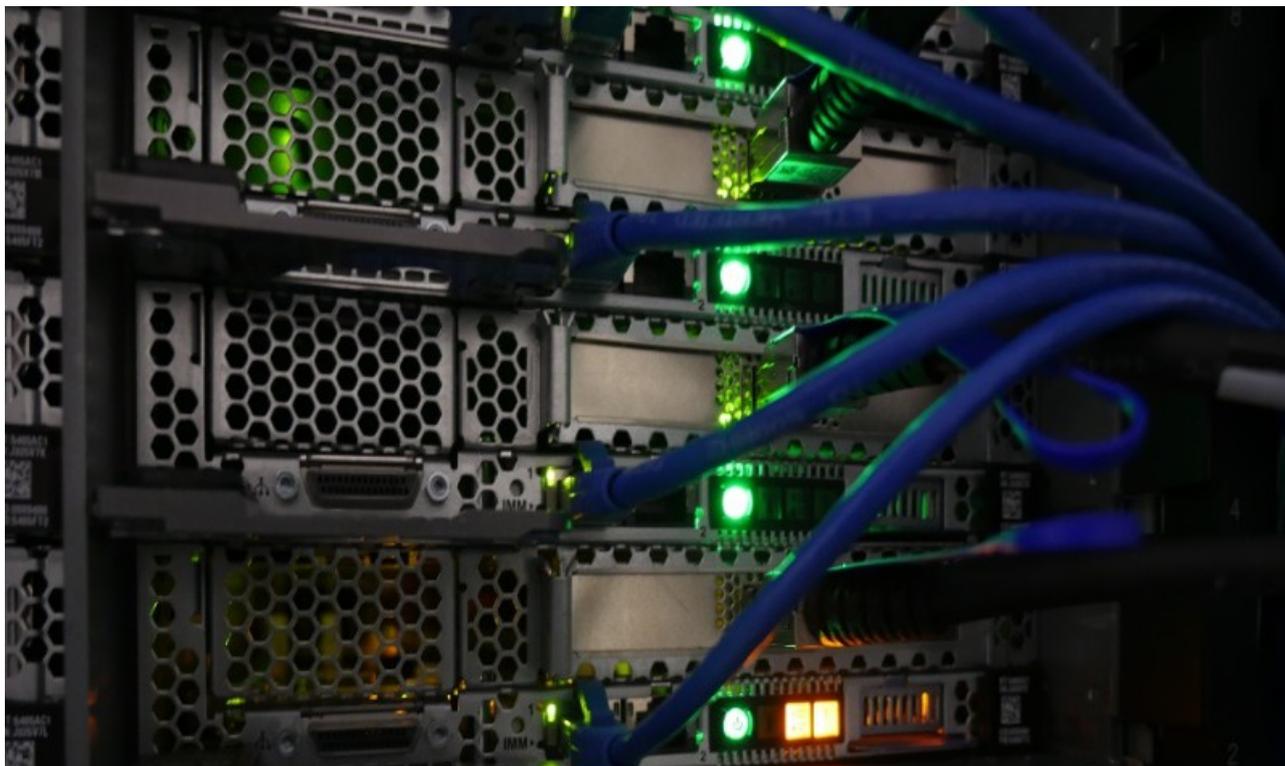
Have questions? Need help?

Contact the NCI User Support Team:
help.nci.org.au

Access NCI's User Documentation portal:
opus.nci.org.au

Every month, NCI's User Services Team updates Raijin's software. This month, 19 new applications were installed, including:

- cmake/3.12.2
- ESPResSo/4.0.0
- qchem/5.1.1

See the full list here.

Every month, NCI's Data Collections Management Team publish new data sets. This month, the following data sets were published:

Water Observations from Space Statistics 2.1.5 (Geoscience Australia)

See the full catalogue here.