

MestReNova  vs. MestReC 

MestReNova: NMR plugin

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Mnova is the natural evolution of our very popular application **MestReC**. However, it is more than a new version of MestReC. The fact is that **Mnova** is a redevelopment of MestReC which is intended to supersede the old software, and as such, MestReC will stop to be further developed and supported, so we would strongly recommend that you go for **Mnova**.

Mnova is a completely new development and a completely new concept which will open up a whole new range of possibilities when storing and sharing data within organizations, changing the way in which scientists process and report NMR data. **Mnova** has been designed to make NMR both more convenient and more powerful, and to give the user improved results with minimum effort. There are many reasons why we went to the effort to develop **Mnova**, and some of the most significant improvements above MestReC are:

- Mnova is multiplatform, running on Windows, Mac, Linux and Unix-like systems.
- Mnova has a multipage interface similar to Powerpoint (this allows user to have several spectra in one document, maybe all experiments for a given sample, maybe a metabonomics study).
- Mnova has greatly improved graphical and text annotations.
- Mnova incorporates a molecular viewer and the ability to assign and predict molecules (the latter as a separate plugin).
- Mnova implements a very powerful scripting language for automation, as well as a very simple interface for building macros.
- Mnova is fully integrated with MSOffice and several Electronic Lab Notebooks through OLE/COM, and also has integrated export to PDF and many graphical formats.
- Mnova incorporates a revolutionary simulation module, capable of carrying out full quantum mechanics simulations independently of the spin system size.
- Mnova has fully interactive processing, given the user the ability to effect changes in the time domain and see the results in real time in the frequency domain.
- Many processing and analysis algorithms have been improved in Mnova.
- Mnova includes a powerful Undo/Redo mechanism within a standard toolbar.
- Mnova incorporates the 'Cutting' tool, to allow the user to hide areas of the spectrum which is not interested in seeing.
- And...many more.