

# 2018년 NMR/MS 사용자를 위한 Mnova Seminar

Fundamental Seminar :

Integrated Software Tools for Processing, Analyzing and Managing  
NMR and LC/GC-MS on Your Desktop

## • 초청의 글

안녕하십니까?

화창함이 계속 되는 11월, NMR사용자를 위한 Mnova Software Seminar를 마련하였습니다. 사용자의 데이터 처리기법을 한 단계 향상시킬 수 있는 유익하고 획기적인 소프트웨어 교육이 되시리라 기대하며, 기초에서부터 다양한 고급기능을 직접 체험하실 수 있는 만족스러운 기회, 저희 BK Instruments Inc.와 함께 하시기 바랍니다.

각 지역, NMR사용자 여러분들의 많은 관심과 참석을 부탁드립니다.  
감사합니다.

## • 장소 및 일정

일시 : 11월 14일 (수) : 14:00 ~ 17:00

장소 : UNIST, 102동 S103호

## • Agenda

Subject	Time
Basic NMR processing and analysis	45 min
Advanced NMR processing and analysis	45 min
LC/MS, GC/MS data analysis	30 min
Brief Introduction of other Mnova software tools	15 min
Questions and discussion	30 min

\* 상기 Agenda는 일부 사정에 따라 변경될 수 있습니다.

\* 세미나는 무료이나, 한정된 좌석이므로 미리 사전 등록을 해주시면 감사하겠습니다.

세미나 참가신청 바로가기 → <http://bkevent.ezshosting.com/iho/sub/sub1.php>



## 2018년 NMR/MS 사용자를 위한 Mnova Seminar

Mnova is an integrated software package for processing, analysis and database management of 1D/2D NMR and LC/GC/MS data for chemical applications.

This training will focus on the following topics :

- Basic NMR processing and analysis (45 min)**
  1. Overview of Mestrelab and Mnova software tools
  2. Installation and activation of the Mnova program
  3. Opening and processing 1D NMR: Apodization functions, Fourier Transform, phase correction, baseline correction etc.
  4. Peak picking, integration, multiplet analysis of  $^1\text{H}$  NMR.
  5. Annotation, reporting results, and formatting for publication.
- Advanced NMR processing and analysis (45 min)**
  1. Processing 2D NMR.
  2. Analysis of 1D and 2D spectra together to verify structures and assign the peaks, and getting nice tables and images for presentation and publication.
  3. qNMR: using NMR to measure concentration or purity.
  4. Processing and analysis of multiple or arrayed 1D spectra for applications such as reaction monitoring, relaxation studies, diffusion studies, metabolomics studies etc.
- LC/MS, GC/MS data analysis (30 min)**
  1. Opening and visualizing LC/GC/MS from different vendors
  2. Analysis of LC/GC/MS: peak integration, displaying extract ion chromatogram, enumeration of elemental compositions, prediction of molecular ion and isotope clusters, verification of elemental compositions for molecular match, etc.
  3. Analyzing and reporting NMR and MS together
- Brief Introduction of other Mnova software tools (15 min)**
  1. Mnova qNMR and SMA for quantitation of purified or mixtures
  2. Mnova Structure Elucidation for de novo structure elucidation
  3. Mnova Screen and Mbinding for ligand-protein binding and drug discovery
  4. Mnova DB for creating databases of your NMR, MS and structures for data archiving and sharing, and searching Wiley C-13 and H-1 databases.
  5. Mbook (Electronic Lab Notebook) for archiving your organic synthesis projects, reactions, experiments, and record the related stoichiometry tables, spectral data, etc.
- Questions and discussion (30 min)**