MBV9520 BIOSTRUCT -
Advanced Biomolecular NMR

Department of Molecular Biosciences, University of Oslo.

**Time of course:** 23. February - 4. March 2015  
**Place:** Kristine Bonnevies hus, Blindernveien 31, UiO  
**ECTS:** 5 stp (PhD level course)  
**Teaching:** 20 lecture hours and 33 hours of lab-exercises. The course is taught intensively for 10 consecutive days every second year. A selected set of homework is described that the student should finish and bring to the final exam.  
**Exam:** Approved participation and laboratory exercises. Oral or written examination during week 13 (23. - 27. March)  
**Deadline for registration:** 09.01.15 (Max 6 students)  
**Contact for registration:** Torill Rørtveit; torill.rortveit@ibv.uio.no  
**Contact for accommodation:** Bie Ekblad; bie.ekblad@ibv.uio.no  
**Course responsible:** Per Eugen Kristiansen; p.e.kristiansen@imbv.uio.no

In this advanced NMR course the students will learn how to obtain NMR data of labeled proteins on BRUKER NMR instruments. Experiments on labeled samples can be used to determine the structure of large proteins. Labeling the sample with 15N and 13C will enable a whole array of NMR experiments to be used for obtaining structural information. The theory and simple setup of the NMR pulse sequences will be thought. The student will learn to analyze and assign labeled proteins using CARA and automated procedures. Furthermore, the students will learn how to calculate NMR structures using CYANA.

**External students** must apply for a student guest status at UiO when signing up for the course. For more information, contact Torill Rørtveit or Bie Ekblad.

*Note!*

BioStruct covers the costs for travel and accommodation for BioStruct students participating in national courses at Norwegian universities other than the student’s home-institution. For information contact Jennifer A. L. Nunn/77625184/ http://site.uit.no/biostruit.

*If the number of applicants exceeds the capacity of the course, 75% of the course admissions will be reserved students attending the PhD school, BioStruct.*