



Intensive Training Course on
NMR methods for the study of structural
order and disorder in proteins
Les Houches, France, 9 - 14 September 2012

Program

Sunday, 9th September

16h - 19h Arrival

19h30 Dinner

Monday, 10th September

8h45 – 9h00 Welcome address

9h00 – 10h30	Ad Bax Biomolecular NMR: a historical perspective
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10h30 – 10h50 Coffee break

10h50 – 12h20	Dominique Marion NMR data acquisition and processing
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12h30 Lunch

15h00 – 15h45	Tania Kozyreva From the gene to the NMR tube
15h45 – 17h15	Ewen Lescop Sequential NMR assignment strategies

17h15 – 17h40 Coffee break

17h40 – 19h00 Students session 1

17h40 – 18h00	Cesyen Cedeno - Role of ERD14 as a plant chaperone: a structural biology approach
18h00 – 18h20	Jaka Kragelj - Role of intrinsically disordered regions in kinase signalling pathways: Substrate recognition in c-Jun N-terminal kinase (JNK) pathway

18h20 – 19h00 Round table discussion with IDPbyNMR Marie Curie fellows

19h00 Welcome reception (pot d'accueil)

19h30 Dinner

Tuesday, 11th September

9h00 – 10h30	Michael Sattler NMR pulse sequence design
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10h30 – 10h50 Coffee break

10h50 – 11h35	Bernhard Brutscher Fast multidimensional NMR data acquisition
11h35 – 12h20	Isabella Felli ¹³ C detected NMR experiments

12h30 Lunch

15h00 – 15h45	Roberta Pierattelli Paramagnetic NMR
15h45 – 16h30	Peter Tompa Chaperone activity of IDPs

16h30 – 17h00 Coffee break

17h00 – 19h00 Students session 2

17h00 – 17h20	Magdalena Korsak - Beta amyloid
17h20 – 17h40	Pallab Bhowmick - Structural disorder promotes functional diversity in the human ubiquitin pathway

17h40 – 18h00	Eduardo Calcada - Discovering the complete construct of intrinsically disordered oncoprotein E7 from human papilloma virus type 16
18h00 – 18h20	Zsofia Solyom – NMR characterization of highly disordered fragments of the HCV protein NS5A
18h20 – 18h40	Tomas Hosek - NMR study of viral IDPs
18h40 – 19h00	Joshi Priyanka - Targeting Abeta42: A Fragment Based Drug Design Approach

19h30 Dinner

Wednesday, 12th September

9h00 – 10h30	Stephan Grzesiek NMR observables for highly disordered molecular systems
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10h30 – 10h50 Coffee break

10h50 – 12h20	Robert Konrat IDP example studies
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12h30 Lunchbox

Afternoon: *Excursion to Chamonix (F) or Martigny (CH)*

19h30 Dinner

20h30 IDPbyNMR Supervisory Board meeting

Thursday, 13th September

9h00 – 10h30	Philipp Selenko In-cell NMR
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10h30 – 10h50 Coffee break

10h50 – 12h20	Michael Akke NMR methods for the study of protein dynamics
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12h30 Lunch

15h00 – 15h45	Rainer Kümmerle NMR hardware
15h45 – 16h30	Michele Vendruscolo Structural ensembles from NMR chemical shifts
16h30 – 17h15	Malene Ringkjøbing-Jensen Structural ensembles from residual dipolar couplings

17h15 – 17h50 Coffee break

17h50 – 19h10 Students session 3

17h50 – 18h10	Sergio Gil Caballero - ^1H longitudinal relaxation enhancement in ^{13}C detected NMR experiments on IDPs
18h10 – 18h30	Mikhail Kachala - Development of Novel Small-Angle X-ray Scattering Data Analysis Methods for Study of Flexible Proteins
18h30 – 18h50	Erica Valentini - Use of bioinformatics and solution scattering for the structural characterization of flexible proteins and complexes
18h50 – 19h10	Biao Fu - Determination of the structure and dynamics of proteins using NMR chemical shifts

19h30 Dinner

Friday, 14th September

9h00 – 12h20

9h00 – 10h30	Birthe Kragelund Regulation of membrane proteins by disorder
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10h30 – 10h50 Coffee break

10h50 – 12h20	Markus Zweckstetter NMR studies of the tau protein
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12h30 Lunch

14h Departure

