



# IDPbyNMR Workshop

Looking at intrinsically disordered proteins  
through NMR:  
challenges and perspectives





# IDPbyNMR

High resolution tools to understand the functional role of protein intrinsic disorder

Marie Curie Initial Training Network  
activity funded under  
EC FP7 people programme



# IDPbyNMR Partners

**CERM**, University of Florence, Italy (Isabella Felli, Roberta Pierattelli)

**CNRS-IBS**, Grenoble, France (Bernhard Brutscher, Martin Blackledge)

**EMBL**, Hamburg, Germany (Dmitri Svergun)

**VIB**, Brussels, Belgium (Peter Tompa)

**University of Cambridge**, Cambridge, UK (Michele Vendruscolo)

**Biotalentum Ltd**, Godollo, Hungary (Andras Dinnyes)

**Giotto Biotech SRL**, Florence, Italy (Tania Kozyreva)

**Bruker Biospin AG**, Faellanden, Switzerland (Rainer Kümmerle)

**EUrelations**, Zurich, Switzerland (Andrea Degen)



# IDPbyNMR Fellows







# IDPbyNMR training

## Intensive Training Courses

Science and Technology  
Complementary skills

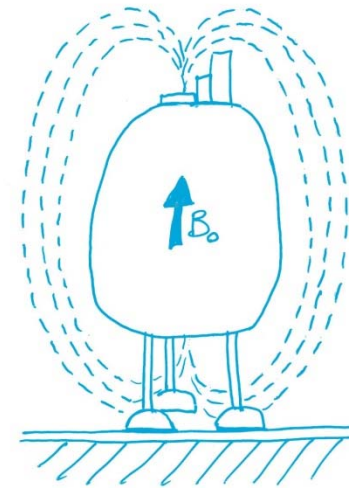
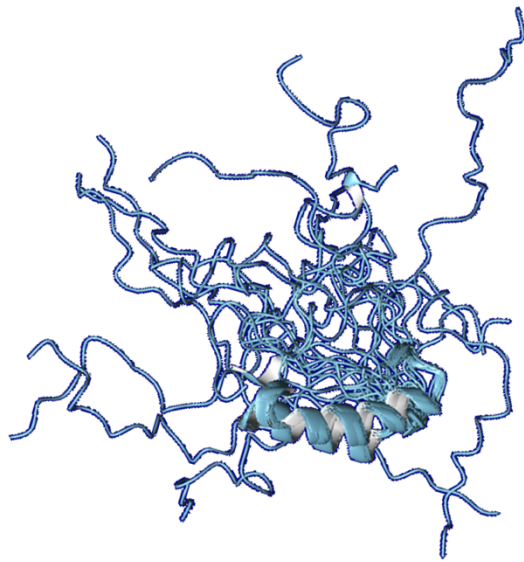
## Intensive Training Modules

Conferences, workshops and seminars



# IDPbyNMR research

## Intrinsically Disordered Proteins!



<b>10.10-10.30</b>	<p>Sergio Gil, Bruker BioSpin AG, Fällanden, Switzerland</p> <p>Evaluating the contributions to <math>^1\text{H}</math> longitudinal relaxation enhancement through <math>^{13}\text{C}</math> detected experiments for the investigation of intrinsically disordered proteins</p>
<b>10.30-10.50</b>	<p>Tomáš Hošek, CERM, University of Florence, Italy</p> <p>NMR studies of IDPs at near physiological conditions: exploiting fast hydrogen exchange to boost experimental sensitivity</p>
<b>10.50-11.10</b>	<p>Anna Zawadzka-Kazimierczuk, University of Warsaw, Poland</p> <p>An optimal set of multidimensional experiments for resonance assignment of intrinsically disordered proteins</p>
<b>11.10-11.30</b>	<p>Jiří Nováček, Masaryk University, Brno, Czech Republic</p> <p>Transient local conformations of a 49kDa intrinsically disordered protein determined by NMR</p>
<b>Coffee</b>	
<b>11. 50-12.10</b>	<p>Guillaume Communie, IBS and UVHCI, Grenoble, France</p> <p>Order and disorder in the replication machinery of Paramyxoviruses</p>
<b>12.10-12.30</b>	<p>Pryanka Joshi, University of Cambridge, UK</p> <p>Towards a fragment based drug design strategy to design small molecules as inhibitors of Abeta aggregation</p>
<b>12.30-12.50</b>	<p>François Theillet, FMP Berlin, Germany</p> <p>In-cell dynamics, interactions and structural features of the human amyloidogenic protein alpha-synuclein</p>



## IDPbyNMR Round Table

At the end of the morning Miquel Pons, (University of Barcelona, Spain) will chair a round table  
Contribution to the discussion from all of you are welcome!





# IDPbyNMR final meeting

## 21-26 September 2014



Castiglione della Pescaia, Grosseto, Italy, 21-26 September 2014