IDP f(un)

Project Acronym:	**IDPfun**
Project Full Title:	**Driving functional characterization of intrinsically disordered proteins**
Grant Agreement:	**778247**
Project Duration:	**48 months (01/03/2018 - 28/02/2022)**

Deliverable D5.5

Mid-term meeting

Work Package:	**WP5**
Lead Beneficiary:	**UCD**
Due Date:	**30 April 2019 (M14)**
Submission Date:	**18 July 2019 (M17)**
Deliverable Type:	**O**
Dissemination Level:	**C**

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Executive summary

This document describes the deliverable *"D5.5 Mid-term meeting"* for the IDPfun project. The deliverable was achieved with the organization of "IDP week", hosted in Padova.

The IDP week (3-7th June 2019) included several events:
- **ESR symposium**   Half-day students and early-stage researchers symposium on Bioinformatic research applied to IDPs.
- **IDP symposium**   One day symposium on latest progress in the field of protein Bioinformatics and intrinsically disordered proteins.
- **Meeting with the Project Officer**
- **IDP resources tutorial**   Half-day tutorial on the use of some IDP resources.
- **IDP Hackathon**   One day of hackathon on IDP training and data curation.

The whole event started the week before with a two-day "Train the Trainer" course, co-organized with ELIXIR-IIB, as a satellite event.

Mid-term meeting was organized a month later than originally scheduled. This decision was taken in agreement with the Project Officer and it did not affect the progress of the action in any way.

Mid-term meeting agenda

Here follows the IDPfun mid-term meeting agenda, distributed to all the participants.

IDPfun All Hands Meeting 2019

June 3-7 2019, Department of Biomedical Sciences, University of Padua, Padua ITALY

Event information
Dates
June 3rd-7th (five days)
Organising Committee
Silvio Tosatto, Marco Carraro, Marco Necci, Lisanna Paladin, Damiano Piovesan
Venue
Department of Biomedical Sciences, University of Padua - Vallisneri building (via Ugo Bassi 58/B, 35131 Padua, Italy)

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Transport

The easiest ways to get to Padova from the Venice Airport are:

- via public transport BUSITALIA

  Tickets on board

  "TESSERA AEROPORTO" <-> "PADOVA FIAT" Timetable valid till 8/06/2019

  "TESSERA AEROPORTO" bus stop is just outside the arrivals area of the airport

  "PADOVA FIAT" bus stop is 100m from the venue and the 2 suggested hotels (see map)

- via private shuttle AirSERVICE

The easiest ways to get to Padova from the Treviso Airport are:

- via public transport BUSITALIA

  Tickets on board

  "TREVISO AEROPORTO" <-> "PADOVA FIAT" Timetable valid till 8/06/2019

  "TREVISO AEROPORTO" bus stop is in the main street 30m outside of the airport

  "PADOVA FIAT" bus stop is 100m from the venue and the 2 suggested hotels (see map)

- via private shuttle AirSERVICE

Mid-term meeting

Accommodation

Name	Nr. stars	*Booking.com* Score	Approx. price
[Hotel NH Padova](#)	4	8.7	80-100€
[Best Western Plus Hotel Galileo](#)	4	8.3	70-80€ per night
[Hotel Alla Fiera](#)	3	7.4	50-70€ per night
[Best Western Hotel Biri](#)	4	7.9	70-80 € per night
[B&B Hotel Padova](#)	3	8.5	60-90 € per night
[Hotel Giovanni](#)	4	8.2	60-100 € per night
[Hotel Maritan](#)	3	8.0	50-100 € per night
[Hotel Igea](#)	3	8.4	70-80 € per night

Website

The official workshop website can be found [here](#).

Goals

The IDP week (3-7 June 2019) includes several events, i.e. a two days symposium on IDPs, including an ESR symposium, a Tutorial on IDP resources, and a hackathon on IDP resource curation.

- **ESR symposium**   Half-day students and early-stage researchers symposium on Bioinformatic research applied to IDPs.
- **IDP symposium**   One day symposium on latest progress in the field of protein Bioinformatics and intrinsically disordered proteins.
- **IDP resources tutorial**   Half-day tutorial on the use of some IDP resources.
- **IDP Hackathon**   One day of hackathon on IDP training and data curation.

The event starts the previous week with the two-days Train the Trainer course by ELIXIR-IIB, as a satellite event.

Workshop Overview

Date	*Program (WIP)*
3 June	Afternoon: HUPO PSI ID, PED discussion || IDPfun brainstorming
4 June	Morning: IDPfun SB meeting and QEC meeting Afternoon: ESR symposium

Mid-term meeting

	Social Dinner
5 June	Morning: IDP symposium *Lunch* Afternoon: IDP symposium *Social Dinner*
6 June	Morning: Meeting with Project Officer || IDP tutorial *Lunch* Afternoon: Meeting with Project Officer || IDP Hackathon 1/2: Training material
7 June	Morning: IDP Hackathon 2/2 : DisProt

3 June, Monday 14:00-18:00
Registration from 13:45 to 14:00 in Vallisneri Building, 5th floor

HUPO PSI ID and PED discussion
Vallisneri building, Seminar room PR (*mezzanine floor*)
Participation reserved to invited IDPfun partners

In parallel,
IDPfun brainstorming
Vallisneri building, Seminar room 5th floor EST
Participation reserved to invited IDPfun partners

4 June, Tuesday 10:00-18:00
Registration from 9:45 to 10:00 in Vallisneri Building, 5th floor
IDPfun SB meeting and QEC meeting, 10:00-12:00
Vallisneri building, Seminar room PR (*mezzanine floor*)
Participation reserved to IDPfun SB and QEC members

ESR Symposium

Location: Vallisneri building, Room M mezzanine floor		
Speaker	**Title**	**Time**
Registration		14:00 - 14:30
Session 1, chair: Lisanna Paladin		

Bálint Mészáros	Conditionally disordered proteins: Databases, method development and applications	14:30 - 14:50
Ziqi Deng	*In silico* approaches to identify and model pVHL hydroxy-degron interactions	14:50 - 15:10
Juliana Glavina	Linking the evolution of E1A linear motifs to Mastadenovirus host diversification	15:10 - 15:30
Ikhlas Mohamed Ahmed	The interplay between post-translational modifications (PTMs) on alpha synuclein (α-Syn)	15:30 - 15:50
Coffee Break (15:50- 16:20)		
Session 2, chair: Marco Necci		
Gabor Erdős	A structure centric method for binding partner discovery of linear motif binding proteins	16:20 - 16:40
Damiano Piovesan	INGA 2.0: improving protein function prediction for the dark proteome	16:40 - 17:00
Federica Quaglia	Computational analysis of the von Hippel-Lindau (pVHL) tumor suppressor	17:00 - 17:20
Jiri Vymetal	Sequence versus composition: What prescribe biophysical properties?	17:20 - 17:40
L Paladin + M Sharan	ESR communities: computational biology worldwide	17:40 - 18:00
Social dinner		

5 June, Wednesday 9:00-18:00

IDP symposium

Location: Vallisneri building, Aula Magna		
Speaker	**Title**	**Time**
Registration		9:00 - 9:30
Session 1		
Silvio Tosatto,	Welcome Note	9:30 - 9:45

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Giuseppe Zanotti		
Peter Tompa	Functional features of structural ensembles of IDPs in the PED database	9:45 - 10:15
Toby Gibson	Linear Motifs in Health and Disease	10:15 - 10:45
Zsuzsanna Dosztanyi	IDPs in cancer: molecular functions, biological processes and evolutionary origin	10:45 - 11:15

Coffee Break (11:15 - 11:45) "Aula studio" room - Ground floor - Vallisneri building

Session 2

Speaker	Title	Time
Silvio Tosatto	Computational resources for IDPs	11:45 - 12:15
Barbara Zambelli	Intrinsic disorder in the urease activation network	12:15 - 12:45
Stefano Gianni	Addressing the mechanism of binding induced folding of IDPs	12:45 - 13:15

Lunch (13:15 - 14:30) "Aula studio" room - Ground floor - Vallisneri building

Session 3

Speaker	Title	Time
Lucia Chemes	Molecular determinants of linear motif mediated interactions	14:30 - 15:00
Norman Davey	Characterisation of the interactomes of the human phosphatases	15:00 - 15:30
Cristina Marino	Chasing co-evolutionary signals in disordered protein complexes	15:30 - 16:00-

Coffee Break (16:00- 16:30) "Aula studio" room - Ground floor - Vallisneri building

Session 4

Speaker	Title	Time
Denis Shields	Molecular evolution of kappa-casein; and, predicting polyproline helices.	16:30 - 17:00
Massimo Bellanda	The lineage-specific, intrinsically disordered N-terminal extension of	17:00 - 17:30

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	monothiol glutaredoxin 1 from trypanosomes contains a regulatory region	
Symposium wrap-up and informal discussions (17:30)		
Social Dinner		

6 June, Thursday 9:30-18:00

IDPfun meeting with Project Officer, detailed program
Vallisneri building, Seminar room PR (*mezzanine floor*)
Participation reserved to IDPfun partners
Social Event from 17:30: Palazzo Bo guided tour

In parallel,
IDP Tutorial

Location: Vallisneri building, Seminar room 5th floor NORTH

Session 1, IDP resources tutorial

Speaker	Title	Time
Andras Hatos	Disorder - DisProt	9:30 - 10:15
Marc Gouw	Linear motifs - ELM	10:15 - 11:00
Coffee Break (11:00 - 11:30)		
Marco Necci	Computational prediction - MobiDB	11:30 - 12:15
Lunch (12:45 - 14:00) Hall - 5th floor EST - Vallisneri building		

IDP Hackathon, 14:00 - 17:30
Session 2, IDP Hackathon: Training materials
Vallisneri building, Seminar room 5th floor NORTH
Participation reserved to IDPfun partners
Social Event from 17:30: Palazzo Bo guided tour

7 June, Friday 9:30-12:30

IDP Hackathon
Session 3, IDP Hackathon: DisProt annotation

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Vallisneri building, Seminar room 5th floor NORTH
Participation reserved to IDPfun partners
Agenda

Communication and dissemination

Communication and dissemination about the status of the action and results achieved by the consortium were performed thanks to:

- website: a dedicated web page was created to advertise the event
  http://disprotcentral.org/idpweek19

- print media: posters were designed and distributed to advertise the event locally

- social media: main events were tweeted by the official IDPfun Twitter account (some examples can be found below)
  https://twitter.com/idpfun?lang=it

Mid-term meeting

⟲ IDPfun ha ritwittato

IDPfun @IDPfun · 5 giu   ⌄
Denis Shields presents the #molecular evolution of kappa-casein, predicting
#polyproline helices @ #IDP week by #IDPfun

💬   ⟲ 2   ♡ 1

⟲ IDPfun ha ritwittato

Malvika Sharan @MalvikaSharan · 6 giu   ⌄
We are running the lesson hackathon at @IDPfun w/ Lissana Paladin to create
the pilot training materials for intrinsically disordered proteins.

The experienced and new researchers in this field are co-developing the
lessons which will be hosted using @thecarpentries format!

Marc Gouw, Juliana Glavina e Deng Ziqi

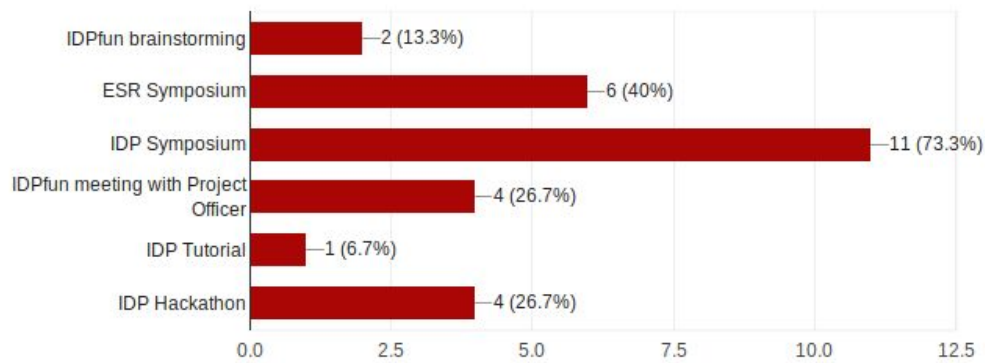💬   ⟲ 4   ♡ 9

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Self evaluation

Participants received a feedback survey a few days after the end of "IDPfun week".
Very satisfactory results were recorded for all the investigated topics (some examples can be found below).

Which event was the most interesting for your research?

15 responses

Event	Responses
IDPfun brainstorming	2 (13.3%)
ESR Symposium	6 (40%)
IDP Symposium	11 (73.3%)
IDPfun meeting with Project Officer	4 (26.7%)
IDP Tutorial	1 (6.7%)
IDP Hackathon	4 (26.7%)

Were the aims adequately achieved?

15 responses

Score	Responses
1	0 (0%)
2	0 (0%)
3	0 (0%)
4	0 (0%)
5	1 (6.7%)
6	0 (0%)
7	3 (20%)
8	3 (20%)
9	5 (33.3%)
10	3 (20%)