



# SUPERVISION AND MENTORING

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UK Research  
and Innovation

# My role

- Project manager for LIV.DAT and LIV.INNO Centres for Doctoral Training
  - Project communication
  - Regular contact with students to ensure everything is happening as it should be
  - Organising meetings and events
- LIV.DAT and LIV.INNO are both funded by STFC
  - LIV.DAT recruited 4 cohorts of students between 2017 and 2020, 36 students in total (23 funded by the project and 13 ‘associates’)
  - LIV.INNO will recruit 3 cohorts of students between 2022 and 2024, another 36 students at least
  - Two of the largest data science centres in the UK

# My role

- LIV.DAT and LIV.INNO studentships are half funded by STFC and half funded by industrial partners
- 4 year programs include mandatory 6 month industrial placements
- Additional skills training in e.g. project management, presentation skills, scientific writing, outreach, career planning, similar to EuPRAXIA-DN, so good opportunities for connecting activities
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# Supervision and mentoring expectations in LIV.DAT/LIV.INNO



- **Supervisory team** chosen to provide a balance of expertise in the relevant STFC science area and data intensive science.
- Each student will be provided with independent **mentors** on academic, industry and gender aspects
- Personal development needs analysis (**career development plan**) will be agreed between each student and their supervisors at the beginning of their project to include training according to needs
- These will be updated every 6 months and sent to project manager
- **Meetings:** Students record meeting with primary supervisor at least once per month and meet full supervisory team once per quarter

# Supervision arrangements in EuPRAXIA-DN

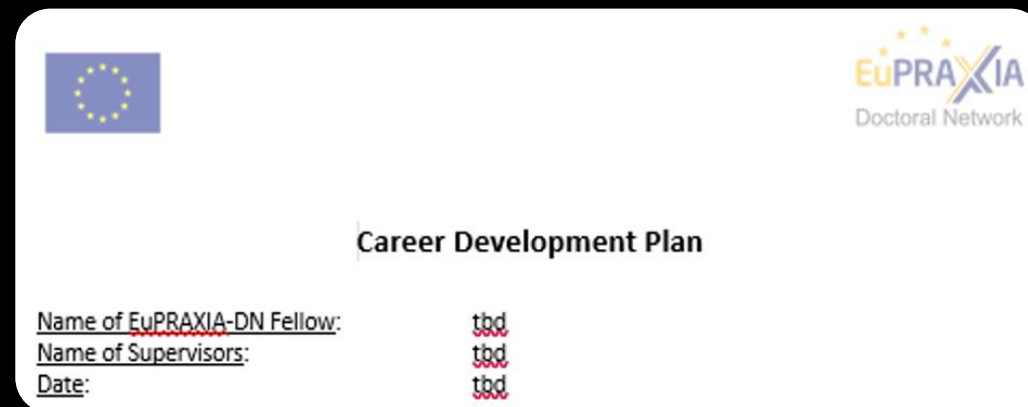
Closely related with practice in our CDTs:

- Each Fellow will have two supervisors from their host organisation
- WP leaders will monitor progress of each project and report to the Steering Committee
- Mentors will complement supervision
- Formal reports required for each deliverable – template will be provided



# Supervision arrangements in EuPRAXIA

- A Career Development plan will be agreed between each Fellow and their supervisors at the start of the program
- Career development plans should be updated every 6 months and uploaded to our secure SharePoint Platform
- Fellows and supervisors should keep in close contact with the Project Manager (to be appointed) throughout the project



The image shows a screenshot of a 'Career Development Plan' form. At the top left is the European Union flag, and at the top right is the EuPRAXIA Doctoral Network logo. The title 'Career Development Plan' is centered. Below the title, there are three fields: 'Name of EuPRAXIA-DN Fellow:', 'Name of Supervisors:', and 'Date:'. Each field has 'tbd' (to be determined) written next to it.

Name of EuPRAXIA-DN Fellow:	tbd
Name of Supervisors:	tbd
Date:	tbd

# Career Development Plan



## Career Development Plan

Name of EuPRAXIA-DN Fellow: tbd  
Name of Supervisors: tbd  
Date: tbd

This plan should be finalized within the first months of the project after a discussion between the supervisor and the trainee and then be revised at least every six months. Copies need to be sent to the Coordinator.

**A first version of each CDP needs to be sent to the Coordinator before the end of January 2023. This will include the research and training plans as detailed in the proposal and discussed during the kickoff meeting.**

### Brief overview of research project and major accomplishments expected

Please add project description, background and goals as per the proposal. Also include a reasonable number of literature references.

### Long-term career objectives (over 3 years):

#### Examples

- Goals: The Fellow will become an expert in ...

In addition, ... will be developed.

- What further research activity or other training is needed to attain these goals?

The Fellow will initially follow the xxx School/training. They will also benefit from the institute's extensive in-house lecture program for PGR students. List training available to them locally – minimum is what was stated in the proposal.

The Fellow will follow the weekly group seminar. In addition, they will follow....

### Short-term objectives (1-2 years):

- Research results

#### Examples

- Anticipated publications:  
At least two publications in refereed journals throughout the time frame of the project.

Presentation of intermediate results at group seminars, topical workshops and international conferences.

Regular contributions of research results and activities to project web page and



newsletter are required. Contributions to project reports, upon request from work package leaders and Coordinator.

Contribution to the network's outreach activities.

- Anticipated conference, workshop attendance, courses, and /or seminar presentations: Please insert anticipated conference/event attendance during whole project.

Please note that every trainee needs to participate in:

- Complementary Skills and Media School
- EuPRAXIA-DN School
- EuPRAXIA-DN REA meeting
- EuPRAXIA-DN Camps that relate to the Fellow's work package
- Hands-on training in diagnostics
- Training week that includes Advanced Research Skills, Employability and IPR Workshops, as well as Outreach Symposium
- EuPRAXIA-DN Final Conference

The above training courses need to be part of every CDP!

You can add further training that you would like your Fellow to attend in this section; otherwise these would be added once the Fellow has been appointed with their input.

- Research Skills and techniques:

- Training in specific new areas, or technical expertise etc:  
Add areas.

- Research management:

#### Examples

- The Fellow will have the opportunity to actively participate in composing proposals and grant applications throughout the project;
- They will also be trained in project management, definition of deliverables and milestones, and will be working within a large international team;
- The Fellow will have the opportunity to collaborate with other group members and will also have opportunities to participate in the supervision of diploma students and therefore to gain experience in the management of personnel;
- Other training can be agreed between the trainee and their supervisor, whenever this is found to be necessary.
- The Fellow will be registered into a PhD program at the University of XXX. The thesis shall be completed within XXX years.



- Communication skills:

Acknowledge the project, as well as the EU and, where applicable, additional funding in all dissemination, including publications and presentations.

Fully engage in network-wide communication as defined in the proposal and Grant Agreement.

#### Examples

- Give presentations in group seminars, etc.
- The Fellow will need to engage with local schools to disseminate R&D results in years 2 and 3 (needs to be done!)

- Anticipated networking opportunities

Include secondments as stated in the proposal.

### Milestones and deliverables

As a minimum, include the milestones and deliverables from the proposal.

#### Examples

- 6 months after start: Present a report on the results from (a) literature studies and (b) first simulation results of...
- 12 months after start: Report on experimental data...
- Etc.

Date & Signature  
of Fellow

Date & Signature  
of supervisor

### References

Please add references so the Fellow has full background information about their project.



# Career Development Plan - content



- Name of Student:
- Name of Supervisors:
- Date of CDP Review:
  
- Brief overview of research project and major accomplishments expected
  - Please add project description, background and goals as per the proposal. Also include a reasonable number of literature references.



# Career Development Plan - content

- Long-term career objectives (over 3 years):
- Goals
  - The Fellow will become an expert in ... / In addition, ...will be developed.
- Further research activity or other training is needed to achieve these goals
  - The Fellow will initially follow the xxx School/training. They will also benefit from the institute's extensive in-house lecture program for PGR students. List training available to them locally – minimum is what was stated in the proposal.
  - The Fellow will follow the weekly group seminar. In addition, they will follow....

# Career Development Plan - content



- Short-term objectives (1-2 years):
- Research results
  - Anticipated publications - At least two publications in refereed journals throughout the time frame of the project.
  - Presentation of intermediate results at group seminars and international conferences.
  - Regular contributions of research results and activities to project web page and newsletter are required. Contributions to project reports, upon request from work package leaders and Coordinator.
  - Contribution to the network's outreach activities.
  - Anticipated conference, workshop attendance, courses, and /or seminar presentations:
  - Please insert anticipated conference/event attendance during whole project.

# Career Development Plan - content



- Please note that every trainee needs to participate in:
  - Complementary Skills and Media School
  - EuPRAXIA-DN School
  - EuPRAXIA-DN REA meeting
  - EuPRAXIA-DN Camps that relate to the Fellow's work package
  - Hands-on training in diagnostics
  - Training week that includes Advanced Research Skills, Employability and IPR Workshops, as well as Outreach Symposium
  - EuPRAXIA-DN Final Conference
- The above training courses need to be part of every CDP!
- You can add further training that you would like your Fellow to attend in this section; otherwise these would be added once the Fellow has been appointed with their input.

# Career Development Plan - content

- Research Skills and techniques:
  - Training in specific areas, or technical expertise etc:
- Research management:
  - The Fellow will have the opportunity to actively participate in composing proposals and grant applications throughout the project;
  - They will also be trained in project management, definition of deliverables and milestones, and will be working within a large international team;
  - The Fellow will have the opportunity to collaborate with other group members and will also have opportunities to participate in the supervision of diploma students and therefore to gain experience in the management of personnel;
  - Other training can be agreed between the trainee and their supervisor, whenever this is found to be necessary.
  - The Fellow will be registered into a PhD program at the University of XXX. The thesis shall be completed within XXX years.

# Career Development Plan - content

- **Communication skills:**
  - Acknowledge the project, as well as the EU and, where applicable, additional funding in all dissemination, including publications and presentations.
  - Fully engage in network-wide communication as defined in the proposal and Grant Agreement.
  - Give presentations in group seminars, etc
  - The Fellow will need to engage with local schools to disseminate R&D results in years 2 and 3 (needs to be done!)
- **Anticipated networking opportunities & secondments**
  - Include secondments as stated in the proposal.

# Career Development Plan - content



- **Milestones and deliverables**
  - As a minimum, include the milestones and deliverables from the proposal.
  - 6 months after start: Present a report on the results from (a) literature studies and (b) first simulation results of...
  - 12 months after start: Report on experimental data...
  - Etc.
- **Signed by Fellow and Supervisor**
- **References**
  - Please add references so the Fellow has full background information about their project.

# Summary

- Fellows are expected to work independently, under the guidance of their supervisory team and with input from mentors.
- Regular updates of their CDPs will be needed
- Formal reports will detail project progress and should be prepared by the relevant deadlines
- Project teams at INFN and ULIV will help with all aspects.







**EuPRAXIA**  
Doctoral Network