

**The Education, Scholarships, Apprenticeships and Youth Entrepreneurship
Programme – EEA Grants 2014-2021**

**Cooperation strategy for knowledge transfer, internationalization and
curricula innovation in the field of research education at the 3rd level of
study – AURORA**

Short term mobility of staff members to University of Iceland

**August 31-September 5, 2021
November 29 – December 3, 2022
June 19 – June 21, 2023**



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August 31-September 5th, 2021 Training



Staff traveling during pandemics

The short-term mobility of UMPH staff to the UI partner is meant to establish the preliminary data required for modernization of research curricula at the 3rd level of study based on common needs and knowledge of each UMPH staff in the field with professional input from the experts from UI. Specifically, throughout the training we will set the main domains of research that should be included in the common curricula and receive input from UI in respect to the protocols of each domain.



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Domains of study for the staff training

1. Flow cytometry for medical research
2. Genetic medical research
3. Cancer cell culture research

Number of participants: 3 UMPIH, 2 UI



UMPIH research staff in Reykjavik, Iceland





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AGENDA:

31 august 2021

Travel and arrival of the participants

01 september 2021

10.00 am – 11.00 am – Staff short informal meeting and coffee

11.00 am – 14.00 pm – UI infrastructure visit

14.00 pm – 16.00 pm – UMPH and UI staff meeting – Selection of the main domains of research to be included in the new curricula

02 september 2021

10.00 am – 11.00 am - Staff short informal meeting and coffee

11.00 am – 14.00 pm – Domain of research: Flow cytometry for medical research

14.00 pm – 15.00 pm – Lunch break

15.00 pm – 17.00 pm – Domain of research: Flow cytometry for medical research

03 september 2021

10.00 am – 11.00 am - Staff short informal meeting and coffee

11.00 am – 14.00 pm – Domain of research: Genetic medical research

14.00 pm – 15.00 pm – Lunch break

15.00 pm – 17.00 pm – Domain of research: Genetic medical research and Cancer cell culture research – functional tests

04 september 2021

10.00 am – 11.00 am - Staff short informal meeting and coffee

11.00 am – 14.00 pm – Domain of research: Cancer cell culture research

14.00 pm – 15.00 pm – Lunch break

15.00 pm – 17.00 pm – Domain of research: Cancer cell culture research – functional tests

05 september 2021

Departure of the participants and travel



**The Education, Scholarships, Apprenticeships and Youth Entrepreneurship
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November 29th – December 3rd, 2022 Training



University of Iceland in late morning

The short-term mobility of the second group of UMPH staff to the UI partner was meant to follow up the data required for modernization of research curricula at the 3rd level of study based on common needs and knowledge. The main domain of discussion was set to collection and processing of human samples, domain that is actually the theme of the first two SOPs from the updated research curricula.



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Domains of study for the staff training

1. Human sample collection
2. Processing of human samples and storage
3. Efforts toward standardization of human samples collection and processing
3. Common research article discussions

Number of participants: 3 UMPIH, 3 UI



UMPIH staff with Prof. Dr. Jon Thor Bergthorsson





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AGENDA:

29 November 2022

Travel and arrival of the participants

30 November 2022

9.00 am – 12.00 pm – Project meeting about the project objectives, employment of the personnel, budget distribution and management of the expenses

12.00 pm – 13.00 pm – Project meeting for organization of the afternoon PhD workshop - key aspects to be presented and highlighted

01 December 2022

9.00 am – 10.00 am - Staff meeting and coffee

10.00 am – 13.00 pm – Participation in visit of The Biomedical Center (BMC) – University of Iceland with the Romanian PhD students

13.00 pm– 14.00 pm – Lunch

14.00 pm – 17.00 pm – Staff meeting - Domain of research: Human sample collection and processing

02 December 2022

9.00 am – 10.00 am - Staff meeting and coffee

10.00 am – 13.00 pm – Participation in visit of The deCODE genetics Center with the Romanian PhD students

13.00 pm– 14.00 pm – Lunch

14.00 pm – 17.00 pm – Staff meeting - Domain of research: Human sample storage

17.00 pm – 18.30 pm – Staff meeting - Drafting of joint research article (UMPIH and UI)

03 December 2022

Departure of the participants and travel



**The Education, Scholarships, Apprenticeships and Youth Entrepreneurship
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June 19 – June 21, 2023 Training



AURORA staff member at Biomedical Center, Landspítali, Iceland

The third short-term mobility of UMPH staff at the Iceland partner completed the first two trainings for modernization of research curricula at the 3rd level of study in terms of nucleic acids extraction, *in vitro* protocols and collection and processing of human samples. The staff had the chance to perform practical work in the laboratory regarding the actual protocols included in the new research curricula in order to demonstrate back to the doctoral students the correct workflow and sample manipulation.



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Domains of study for the staff training

1. DNA and RNA extraction
2. *In vitro* protocols – Eliza and triple coloration straining on CFU
3. Efforts toward standardization of human samples collection and processing
3. Common research article discussions

Number of participants: 1 UMPIH, 2 UI



UI and UMPh staff at University of Iceland

AGENDA:

17 June 2023

Travel and arrival of the participants

19 June 2023

9.00 am – 11.00 am – Visit to Biomedical Center, Landspítali

11.00 am – 13.00 pm – Meeting with Dr. Katrin Birna Pétursdóttir for research protocols – DNA/RNA extraction

15.00 pm – 18.00 pm - DNA/RNA extraction from whole blood – practical session in the molecular biology laboratory from Biomedical Center, Landspítali

20 June 2023

9.00 am – 11.00 am - Performing Elisa testing and incubation - practical session in the molecular biology laboratory from Biomedical Center, Landspítali



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11.00 am – 13.00 - Elisa plate reading and results interpretation (including statistics) - practical session in the molecular biology laboratory from Biomedical Center, Landspítali

15.00 pm – 18.00 pm - Triple coloration staining on CFUs - practical session in the molecular biology laboratory from Biomedical Center, Landspítali

21 June 2023

9.00 am – 11.00 am - Meeting with Dr. Jón Þór Bergþórsson for research protocols – human samples collection and processing

11.00 am – 13.00 pm - Processing of biological samples: plasma, serum, whole blood, PBMCs - practical session in the molecular biology laboratory from Biomedical Center, Landspítali

15.00 pm – 18.00 pm - RNA extraction from Tri-reagent - practical session in the molecular biology laboratory from Biomedical Center, Landspítali

22 June 2023

Departure of the participants and travel

Disclaimer: These trainings were realized with the EEA Financial Mechanism 2014-2021 financial support through the project Cooperation strategy for knowledge transfer, internationalization and curricula innovation in the field of research education at the 3rd level of study – AURORA. Its content (text, photos, videos) does not reflect the official opinion of the Programme Operator, the National Contact Point, and the Financial Mechanism Office. Responsibility for the information and views expressed therein lies entirely with the authors.

