

Final report RNAQuality workshop 29-30 April 2010, Strasbourg

Summary

The idea behind this networking activity was to organize a workshop that would give an opportunity to PhD students and post-docs to present and discuss their work in progress with students and post-docs in other labs working in a related field (RNA quality). This goal was well met: during the one and a half day the workshop lasted, 21 out of 25 participating students and post-docs discussed their work in oral presentations of 20 minutes. Another aim of the meeting was that, in the absence of PI's, there would be more possibility for the participants to take part in low-threshold 10 minute discussions that followed each talk. We did find out that for a constructive discussion a more profound background knowledge is favourable. The participants share an interest in a common field, but in one that is quite broad. Therefore the focus in this workshop was more on learning from the aspects of the field other participants work on than on very constructive discussion.

In summary, we can conclude that this student workshop, which as far as we know was the first of its kind organized within the context of the ESF, was succesfull, which was also confirmed by the positive feedback the participants gave us. A student workshop is a good way to provide a platform for students and post-docs to present their work, and especially for recently starting students to obtain some experience in doing so. Moreover it is a good way for students and post-docs to learn about what other labs in their field work on.

Final programme

Thursday April 29th

- 9:00-9:10 **Tonnie van den Elzen**
Welcome
- 9:10-9:30 **Lars Kristiansen**
Remarks from ESF
- 9:30-10:00 **Hélène Gaillard (A. AGUILERA)**
Possible involvement of the cleavage and polyadenylation factor I in the cellular response to DNA damage in yeast
- 10:00-10:30 **María Domínguez –Sánchez (A. AGUILERA)**
Analysis of the role of human THO/TREX in gene expression
- 10:30-11:00 **COFFEE BREAK**
- 11:00-11:30 **Jia Yun Zhu (G. MEISTER)**
Identification and expression analysis of novel microRNAs of murine gammaherpesvirus 68
- 11:30-12:00 **Eleanor White (N. PROUDFOOT)**
Transcription termination by RNA polymerase II
- 12:00-12:30 **Konstantina Skourti-Stathaki (N. PROUDFOOT)**
Role of human senataxin in transcriptional elongation, termination and R-loop formation
- 12:30-13:30 **LUNCH BREAK**
- 13:30-14:00 **Jessie Colin (D. LIBRI)**
New paradigms for transcription regulation by non-coding unstable transcripts in yeast
- 14:00-14:30 **Nina Morgner (C. ROBINSON)**
Fine detail mapping of the interactions of polypyrimidine tract binding protein (PTB) with the encephalomyocarditis virus IRES using directed hydroxyl radical probing and mass spectrometry
- 14:30-15:00 **María Eugenia Gas López (B. SÉRAPHIN)**
Mapping protein interaction networks; application to the RES complex
- 15:00-15:30 **Hélène Malet (H. SAIBIL)**
Electron microscopy studies of the exosome
- 15:30-16:00 **Karolina Drazkowska (A. DZIEMBOWSKI)**
RNA pathways towards the catalytic centres of exosome complex
- 16:00-16:30 **COFFEE BREAK**

- 16:30-17:00 **Maiken S. Kristiansen** (T. HEICK-JENSEN)
The human core exosome utilizes differentially localized processive ribonucleases: hDIS3 and hDIS3L
- 17:00-17:30 **Rafal Tomecki** (A. DZIEMBOWSKI)
Biochemical activities of human Dis3 orthologs
- 17:30-18:00 **Michal Lubas** (T. HEICK-JENSEN, A. DZIEMBOWSKI)
Identification of novel RNA degradation pathways in human cells
- 18:00-18:30 **Peter Refsing Andersen** (T. HEICK-JENSEN)
Possible involvement of the human RNA exosome in mitochondrial RNA metabolism

DINNER

Friday April 30th

- 9:00-9:20 **Georgia Vendra** (M KIEBLER)
Introduction
- 9:20-9:45 **Georg Ammer** (M. KIEBLER)
The mechanism of RNA transport to dendrites of hippocampal neurons
- 9:45-10:10 **Lucia Schoderboeck** (M. KIEBLER)
The role of the double-stranded RNA-binding protein Staufen2 in neuronal development
- 10:10-10:35 **Jacki Heraud** (M. KIEBLER)
Global RNA analysis of Staufen2 neuronal granules
- 10:35-11:00 **COFFEE BREAK**
- 11:00-11:30 **Simon Lebaron** (D. TOLLERVEY)
Pre-rRNA quality linked to translation initiation
- 11:30-12:00 **Tonnie van den Elzen** (B. SERAPHIN)
Analysis of the function of Dom34 and Hbs1 in translation-coupled RNA quality control
- 12:00-12:30 **Delphine Rispal** (B. SÉRAPHIN)
Structural and functional insights into *S. cerevisiae* Tpa1, a putative prolyl hydroxylase influencing translation termination
- 12:30-13:30 **LUNCH**

Results and impact on the EUROCORES Programme

As most important outcomes of this workshop can be mentioned first of all an experience for the participants in presenting and discussing their work with other people working in the same field. This experience is relevant in particular for recently starting students. Second, this workshop provided an opportunity for all participants to learn about the latest progress on topics related to the topic they work in. Becoming familiar with the work of other teams working in a related field might also help PhD students and post-docs in orientating in the search for labs where they might want to apply for a next post-doc. This could provide a way in which exchanges of information and experiences between labs that are part of the RNAQuality EUROCORE continue after the end of the programme this year.

Organizer:

Financial officer:

List of participants and speakers RNAQuality workshop 29-30 April, Strasbourg

Group Andres Aguilera

María Domínguez Sánchez	student	speaker
Helene Gaillard	post-doc	speaker
Cristina Tous	post-doc	

Group Irene Bozzoni

Erika Girardi	post-doc	
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Group Andrzej Dziembowski

Karolina Drazkowska	student	speaker
Rafal Tomecki	post-doc	speaker

Group Torben Heick Jensen

Peter Refsing Andersen	student	speaker
Pia Kjølhede Andersen	student	
Maiken Kristiansen	student	speaker
Michal Lubas	student	speaker

Group Michael Kiebler

Georg Ammer	student	speaker
Jacki Heraud	student	speaker
Lucia Schoderböck	student	speaker
Georgia Vendra	post-doc	speaker

Group Domenico Libri

Jean-Baptiste Briand	student	
Jessie Colin	post-doc	speaker

Group Gunter Meister

Jia Yun Zhu	student	speaker
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Group Nicholas Proudfoot

Konstantina Skourti-Stathaki	student	speaker
Eleanor White	student	speaker

Group Carol Robinson

Nina Morgner	post-doc	speaker
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Group Helen Saibil

Helene Malet	post-doc	speaker
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Group Bertrand Séraphin

Tonnie van den Elzen	student	speaker
Maria Eugenia Gas Lopez	post-doc	speaker
Delphine Rispal	student	speaker

Group David Tollervey

Simon Lebaron	post-doc	speaker
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ESF

Anne-Sophie Gablin	Administrator RNAQuality programme
Lars Kristiansen	Science officer RNAQuality programme