



**BM1406: Ion Channels and Immune Response toward a
global understanding of immune cell physiology and for
new therapeutic approaches
(IONCHAN-IMMUNRESPON)**

**Fourth MEETING
23-24th March 2017
REPORT**

**University of Belgrade, Rectorate building
Belgrade, SERBIA**



Agenda
Management Committee Meeting

COST Action no. BM1406

Action Title: Ion Channels and Immune Response toward a global understanding of immune cell physiology and for new therapeutic approaches (IONCHAN-IMMUNRESPON)

Venue Belgrade, Serbia from _23th March_ to _24th March 2017

1. Welcome to participants
2. Adoption of agenda
3. Approval of minutes and matters arising of last meeting
4. Update from the Action Chair
 - a. Status of Action, including participating countries
 - b. Action budget status
 - c. STSM status and new applications
5. Promotion of gender balance and of Early Stage Researchers (ESR)
6. Update from the Grant Holder
7. Update from the COST Association
8. Follow-up of MoU objectives
 - a. Progress report of working groups
9. Scientific planning
 - a. Scientific strategy
 - b. Action Budget Planning
 - c. Long-term planning (including anticipated locations and dates of future activities)
 - d. Dissemination planning (Publications and outreach activities)
10. Requests for new members
11. Non-COST applications to the Actions
12. AOB
13. Location and date of next meeting,
14. Summary of MC decisions
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15. Closing

1. Welcome to participants
2. Adoption of agenda
OK
3. Approval of minutes and matters arising of last meeting
OK, no comment
4. Update from the Action Chair
 - a. Status of Action, including participating countries
New country Belgium, approved by unanimous vote of participants
 - b. Action budget status
We spent only 25,23 % of the budget. The meeting in Belgrade will be around 50,000.00 euros, that will raise the spent budget to #70% and dissemination budget will be engaged before the end of the GP3.
 - c. STSM status and new applications

For the GP2 only two missions, Prof. Panyi plans a mission which ends before the end of GP2

5. Promotion of gender balance and of Early Stage Researchers (ESR)

- 18 country have representatives
- 27 countries in BM1406 today
- 2/3 = 18 countries
- Today: 18 /26 countries
- 52 participants
- 26 MC members (43%)

6. Update from the Grant Holder

Budget status: only 23% have been spent, the Belgrade meeting will be around 50,000.00 euros then 70% of the budget will be spent. The dissemination expenses will be engaged before the end of the GP2. New budget 136,00.00 euros for the GP3,

budget	planned	spent	rest
Meeting	75 540,00 €	25 261,19 €	50 278,81 €
Training School	17 280,00 €		17 280,00 €
STSMs	15 000,00 €	2 400,00 €	12 600,00 €
Dissemination	1 800,00 €		1 800,00 €
	109 620,00 €	27 661,19 €	81 958,81 €

7. Update from the COST Association

New vademecum 16th January 2017, dates for the GP3 1st May 2017 to 30th April 2018

8. Follow-up of MoU objectives

- a. Progress report of working groups
The WGL must organize the report of the scientific activities inside their WG for the 24 Month report.
All participant must inform the core committee about the publications, proposals submissions, national or international collaborations through the Action or thanks to the Action

9. Scientific planning

a. Scientific strategy

We will change some of the objectives and reinforce the structure of the Action

First, we will renew the links with companies in the Action and welcome new companies. Some STSM will be dedicated to the company for students who would have a stay in a company or for people from company.

The second point is to increase interactions and scientific collaborations small meetings as core meetings or seminars will be organized around one restricted thematic with up to 8 peoples from the Action in a place for discussing and giving talks in one of the institutions involved in the seminars. Our aim is to better focus some questions, increase the interactions and collaborations, to be able to build projects to H2020.

We will also improve the organization of training schools and at least, one training school will be organized in each last two GP.

- Mr Pablo Pelegrin (VChair) proposed to hold a large meeting with an international impact, including a large number of participants; the idea of making this meeting in Spain is a proposal to explore. Chair proposed to study the question of the partners who could finance this type of meeting – EFS, for example -.

b. Action Budget Planning

The budget may change from what have been presented because the budget increase has been done during the meeting (from 131,000.00 to 136,000.00 euros). I have duplicate and change the slide of budget with that have been definitely submitted.



COST Action BM1406 Biomedicine And Molecular Biosciences
Ion Channels and Immune Response toward a global understanding of immune cell physiology and for new therapeutic approaches
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The Work and Budget plan has been returned for review.

The budget exceeds the allocated budget (+ tolerance).

Budget allocation by COST Association: 131 000.00 EUR

Assigned Grant Holder: University of Tours (TOURS, France)
GH Manager/Administrative Representative: Mr khaff anass

COST Action BM1406 Annex A of the Grant Agreement from 2017-05-01 to 2018-04-30

Networking Tools	Quantity	Budget
Meetings	5	87 610.00 EUR
Training Schools	1	5 700.00 EUR
Short Term Scientific Missions (STSM)	9	22 500.00 EUR
COST Action Dissemination	1	2 400.00 EUR
Other Expenses Related to Scientific Activities (OERSA)	0	0.00 EUR
Total Science Expenditure		118 210.00 EUR
Financial and Scientific Administration and Coordination (FSAC) – MAX. 15%	15 %	17 731.50 EUR
Total Grant Request		135 941.50 EUR

To add, edit or delete a networking tool, click on any networking tool to expand.

c. Long-term planning (including anticipated locations and dates of future activities)

We will organise one joined meeting with the European calcium society in Toulouse in October 2017. A training school on imaging will be organised in Denmark at 19th-23th June 17. 3 WG seminars will be organized and the last meeting of the GP3 will be in Dublin in the thematic of cancer (the scientific program must be discussed with the local organizer Paul Buchanan). See on the MC slide N°13.

d. Dissemination planning (Publications and outreach activities)

The person in charge of dissemination Antoine Chemaly (Switzerland) has resigned from his position. We are looking for a new candidate. The mission of this people will be to manage the newsletter editing and promoting the Action thanks the several tools we have, website and Facebook.

The newsletters have been cancelled, only the first one exists, we must go on the other one. The newsletter of the Belgrade meeting will be given to do by local organiser support.

The administration assistant will take in charge the website and Facebook account management.

10. Requests for new members

Prof. Jean-François Liegeois, from Liege becomes the new MC member representative of Belgium.

11. Non-COST applications to the Actions

None

12. AOB

13. Location and date of next meeting,

MUSEUM OF NATURAL HISTORY TOULOUSE, FRANCE The 16th-18th October 2017

14. Summary of MC decisions

- Belgium joins us = do not hesitate to collaborate with its members
- We need a new person in charge of Dissemination
- 24 Month report: We need all information about publications, collaborations on-going, proposals submitted at the national and H2020 level (these information will be kept as confidential)
- The next meeting will be on 16-18th October 17 in TOULOUSE FRANCE
- Accommodations and programs will be send to all in June 17
- The next GP is the GP3 from 1st May 17 to 30th April 18
- The first meeting of the GP3 will be in Dublin (March-April 18), dates and thematic will be submitted soon.
- Small meetings will be proposed restricted to one theme (one day and a half, at invitation of local organizer) 3/GP3
- An international meeting will be planned for September-October 18 in Spain in the GP4
- We decide to better include small enterprises thanks to STSM or collaborative works. Do not hesitate if you wish to submit new applicant to the BM1406 core committee.

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15. Closing



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**Fourth MEETING
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Belgrade meeting
COST Action N° BM1406
Rectorate Building, University of Belgrade
March 23th -24th 2017
Scientific program

Thursday 23th March

8:30 **Registration**

09:00 **Welcome Address**

Chair: Francesco Di Virgilio (University of Ferrare, Italy)

09:10 -10:10 **Keynote speaker Marco Rossato (University of Padova, Italy)**

10:10 - 10:30 Break and Posters

10:30 - 11:00 **Gyorgy Panyi (University of Debrecen, Hungary)**

Therapeutic targeting of ion channels in immune cells

11:00 - 11:30 **Vincent Jaquet (University of Geneva, Switzerland)**

NOX inhibitors: characterization and potential applications for therapy in human diseases

11:30 - 12:00 **Ankita Agrawal (University of Copenhagen, Denmark)**

Effects Of P2X7R Activation On Receptor And Cell Functions In Human Myeloma Cell Lines

12:00 - 12:30 **Romain Krzysiek (INSERM Unit 996, CHU Bicêtre, Paris, France)**

Characterization of tumour infiltrating Foxp3+ Tregs-specific channelome by whole-genome transcriptional profiling

12:30 - 14:00 Lunch

Young Researcher's session

14:00 - 14:20 **Martinez J.** *P2X7 receptor associates with mitochondrial dysfunction in monocytes during severe sepsis*

14:20 -14:40 **Ellegard M.** *The role of the P2X7 receptor in bone remodelling*

14:40 - 15:00 **Visic P.** *The regulation of the store operated calcium entry (SOCE) process by Sigma-1R*

15:00 - 15:20 **Pislar A.** *Cathepsin X Involvement in Neuroinflammation-Induced Neurodegeneration*

15:20 - 15:40 **Rodrigues C.** *Aquaporins are modulated by oxidative stress in cancer cells*

15:40 - 16:00 **Damjanovic A.** *The effects of Mahonia aquifolium extracts on doxorubicin cytotoxicity against lung adenocarcinoma cells.*

16:00 - 16:30 Break and Posters

BM1406 MC Meeting

16:30 – 18:30 **Management Meeting for the Country representatives**

20:00 – Social dinner

Friday 24th March

Chair: Ruth Murrel-Lagnado (University of Sussex, England)

9:00 – 10:00 **Keynote speaker Stefan Feske (NY Medical School, USA)**
Role of CRAC channels in T lymphocyte functions

10:00-10:30 Break and Posters

10:30 – 11:00 **Ruth Murrel-Lagnado (University of Sussex, England)**
P2X receptors and lysosome function

11:00 – 11:30 **Andriana Kavallari (University of Athens, Greece)**
Ion channels in mast cell pharmacology

11:30 – 12:00 **Ana Čipak Gašparović (Rudjer Boskovic Institute, Zagreb, Croatia)**
Yeast aquaporin is implicated in oxidative stress response

12:00 – 12:30 **Prof. Pavle Andjus (University of Belgrade, Serbia)**
IP3R and store-operated calcium entry in astrocytes and the effect of IgGs from amyotrophic lateral sclerosis patients

12:30 – 14:00 **Lunch**

Chair: Jelena Antic Stankovic (University of Belgrade, Serbia)

14:00 – 15:00 **Romain Lara (Bioceptre International, Cambridge UK)**
NfP2x7 a cancer specific therapeutic target

15:00 – 15:30 **Erin Nuray (University of Akdeniz, Antalya Turkey)**
TRPV1 channels of sensory nerves, tumour cells and immune cells: Do all work against breast cancer?

15:30 – 16:00 **Ozlen Konu (University of Bilkent, Ankara Turkey)**
Analysis of synergism and antagonism between miR-495-3p and cholinergic receptor nicotinic alpha 5 (CHRNA5) in MCF7

16:00 – 16:30 **Paula Nunes-Hasler (University of Geneva, Switzerland)**
STIM1 promotes phagosomal maturation and antigen cross- presentation in dendritic cells.

16:30 - 17:00 **Break and Posters**

Round Table

17:00 – 18:00 **Round table “Inhibitors of ion channels as therapeutics”**
Organizers F. Di Virgilio and Ruth Murrel-Lagnado

18:00 **Closing remarks**