



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

**MC WG3 MEETING
09-11th March 2016**

REPORT

**Faculty of Pharmacy
University of Lisbon, Portugal**





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 Lisbon, Portugal from _9th March_ to _12th March 2016

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
-
-
15. Closing



MANAGEMENT COMMITTEE

March 10th, 2016

Faculty of Pharmacy, University of Lisbon, Portugal

Agenda

1. Welcome to participants

- 2/3 of country representatives
- 24 countries in BM1406 + Serbia
- 2/3 = 16 countries; **18 countries represented cf. MCM attendance list**
- Today: 18/24 countries
- 24 MC participants (42,85%)

2. Adoption of agenda

Any other question you wish to discuss in this MC meeting?

Dissemination meeting, STMS

3. Approval of minutes and matters arising of last meeting?

Last MC meeting in Poland, (24th-25th September 15)

Report have been send to all MC members!

Unanimous Adoption

4. Update from the Action Chair

- Status of Action, including participating countries
New participating country: Republic of Serbia
Email vote: accepted, **unanimous vote**

Action budget status

- Budget in GP1 128, 811.50 euros

planned	planned	real
	EUR	EUR
A. COST Networking Tools		
(1) Meetings	78,700.00	18 535,99 €
(2) Training Schools	17,310.00	- €
(3) STSMs	12,500.00	10 500,00 €
(4) Dissemination	1,500.00	- €
(5) Other Expenses Related to Scientific Activities	2,000.00	- €
B. Total Science Expenditure(sum of(1) to (5))	112,010.00	29 035,99 €
C. FSAC(max. of 15% of B)	16,801.50	4 355,40 €
D. Total Expenditure(B+C)	128,811.50	33 391,39 €

c. STSM status and new applications

- 3 applicants, with Barbara, MC and COST approvals

- Permanent call in BM1406 Action
- Works flow Red line:
 - Remaining procedure: fill the form and send a project (2 pages) to Barbara M.
 - (<https://e-services.cost.eu/stsm>)
 - Follow the files asked in this form and be clear in the planned expenses
 - Core committee vote (eMail)
 - Report of the mission to the core committee!!!!

Up to a maximum of 3500 euros for a maximum of 91 days.

Remind that it's a contribution for a mission and not a global payment!

Report 2015: 3 STSM

Names	laboratory	place
Alba Clara SARTI	Pr. Francesco Di Virgilio	Dr Fabio Grassi
Chiara Parsi	Dr. Cinzia Volonté	Dr Pablo Pelegrin
Dr Iva Hafner Bratkovič	National Institute of Chemistry, Ljubljana	Dr Pablo Pelegrin

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

- MC committee (Gender ratio)
 - MC + substitutes = 28w/ 56
 - Sex ratio = 50%
 - Previous ratio (September 2015)
 - MC members (36,2%)
 - STSM = majority of women 3/3

6. Update from the Grant Holder

a. Action Budget Status

actual amount spent :

planned	planned	real	lisbon	1+2
	EUR	EUR		
A. COST Networking Tools				
(1)Meetings	78,700.00	18 535,99 €	70 000,00 €	88 535,99 €
(2)Training Schools	17,310.00	- €		
(3)STSMs	12,500.00	10 500,00 €	10 500,00 €	10 500,00 €
(4)Dissemination	1,500.00	- €		
(5)Other Expenses Related to Scientific Activities	2,000.00	- €		
B. Total Science Expenditure(sum of(1) to (5))	112,010.00	29 035,99 €	80 500,00 €	99 035,99 €
C. FSAC(max. of 15% of B)	16,801.50	4 355,40 €	12 075,00 €	14 855,40 €
D. Total Expenditure(B+C)	128,811.50	33 391,39 €	92 575,00 €	113 891,39 €

The funds that have not been spent will not be apply on the next year:
a "use it or lose it" approach.

7. Update from the COST Association

- New dates for GP
 - Grant period change
 GP1: 1st June 15 to 31st May 2016

GP dates new calendar : 01.05.2016 to 30.04.2017

Period 1st April 16 to 31 May 16 ??

The core committee would like to draw your attention on this particular period. STSM must be done before the 1st May 2016

8. Follow-up of MoU objectives

a. Success will be evaluated thanks to:

- Number of active participants from COST countries
- Number of collaborative applications submitted for funding in EU or national calls, with a special focus on contracts signed with European industry.
- Number and quality (impact factors, citations) of collaborative peer-reviewed publications,
- Number of Short-Term Scientific Missions (STSM) supported by the Action.

The chair underlines the fact that among these items used for Action' evaluation, the point 2 is the weakest and must be more strongly advanced.

8. Follow-up of MoU objectives

a. Progress report of working groups

All WG, collaborations, student exchanges, papers, pre-review, submitted projects?

WG3 collaborations,

The chair asks his WGL to provide information on the collaborative activities into the WG.

9. Scientific planning

• Scientific strategy

OBJ1. Available data managing and validation strategies consensus for identified targets,

OBJ 2. Identification of target diseases,

OBJ 3. Translating OBJ1 and 2 into preclinical animal models.

OBJ 4. Therapeutics

● Action Budget Planning

meeting 1 (MC) 45 people 2 days March 17	35 500,00 €	
Meeting 2 (MC) 30 WG2 15-16 September 16	35 500,00 €	71 000,00 €
Training schools	17 000,00 €	17 000,00 €
STSM	15 000,00 €	15 000,00 €
Dissemination	2 500,00 €	2 500,00 €
	105 500,000	105 500,000
	15 825,000	15 825,000
	121 325,000	121 325,000

Action Budget Planning Modified

A. COST Networking Tools	EUR
(1)Meetings	71 000
(2)Training Schools	17 000
(3)STSMs	15 000
(4)Dissemination	2 500
(5)Other Expenses Related to Scientific Activities	0
B. Total Science Expenditure(sum of(1) to (5))	105 500
C. FSAC(max. of 15% of B)	15 825
D. Total Expenditure(B+C)	121 325,00

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

date	place	theme
31st March 15	Bruxelles	Kick off
18-1 September 15	Institute, Warsaw, Poland	All WG
9-11 March 16	Faculty of Pharmacy, Lisbon, Portugal	WG3
15-16 September 16	Institut Ruđer Bošković, Zagreb, Croatia	All WG
X-X March 17	Belgrade, Serbia	WG2 " Ion channels in immune diseases"
X-X -XX 17	Training School (Zeiss)? (Gottingen, Iena, Munich, Ger)	Calcium Imaging
XX-September 17	??	All WG
X-X March 18		
X-X September 18	Antalya, Turkey ?	All WG
X-X March 19	Bruxelles /France ?	

Unanimous vote for the next meeting' place in Zagreb. The theme of the meeting in Belgrade must be discussed (WG2 or WG1 focus)

d. Dissemination planning (Publications and outreach activities)

- Official Website
- Newsletters
- INTRANET (people and lab's) when you click you've get all details of the chosen people
- Facebook
- Everybody has access on the page

d. Dissemination planning (Publications and outreach activities)

- Publications

Editorial Manager for Immunology Journals of Elsevier found the topic of the COST Action very attractive to prepare a special issue for a targeted immunology journal at Elsevier (i.e. Mol Immunol or Immunol letters).

COST members are invited to thanks COST Action BM1406 in the acknowledgement section in their article if they think there has been assistance from the Action. Formal sentences will be proposed soon.

- Congress for dissemination?

Reminding of the Rules for dissemination meetings

1. The participation of eligible participants at Dissemination Meetings must be pre-approved by both the MC and by the Action's Science Officer. Attendance at European conferences is preferred. However, conferences held elsewhere can also be considered;
2. For each Grant Period, a maximum of two MC Members or their Substitutes are eligible to be reimbursed for their attendance at approved Dissemination Meetings. Repeated attendance at Dissemination Meetings by the same MC Members or MC Substitutes across Grant Periods should be avoided;
3. All eligible Action representatives must make an oral presentation at the conference in question and must be listed as a speaker in the official event or conference programme. The main subject of the oral presentation / speech at the approved event or conference must result in promoting the scientific activities being performed by the COST Action;
4. Eligible participants may receive financial support for their travel, accommodation and meal expenses in line with the eligibility rules detailed in Section 4;
5. In addition to the provisions specified in point 4 (see above), a contribution of up to a maximum of EUR

Demand must be done to the core members who vote the expenses. NB limited to 2 people each year

10. Requests for new members

- New members
 - Portugal:
 - Prof. Maria João, QUEIROZ (University of Minho, Department/Centre of Chemistry, School of Sciences- University of Minho, Campus de Gualtar, 4710-057 Braga, Portugal.
 - Republic of SERBIA:
 - Dr. Jelena Antic Stankovic, Associate Professor, Faculty of Pharmacy, University of Belgrade, Department of Microbiology and Immunology Faculty of Pharmacy
 - Dr. Biljana Bozic, Associate professor of immunobiology, Faculty of Biology University of Belgrade

11. Non-COST applications to the Actions NO

13. Location and date of next MC meeting,



Institut Ruđer Bošković

Address: Bijenička 54
HR-10000 Zagreb,
Croatia

15-16th September 2016

14. Summary of MC decisions

- Procedure for STSM approval
- Activities
- Meetings
- Training School in GP2
- Newsletter to start
- Website to be improved

15. Closing




BM1406

MANAGEMENT COMMITTEE March 10th, 2016

Faculty of Pharmacy, University of Lisbon, Portugal





Agenda

- Welcome to participants
- Adoption of agenda
- Approval of minutes and matters arising of last meeting
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 - Action budget status
 - STSM status and new applications
- Promotion of gender balance and of Early Stage Researchers (ESR)
- Update from the Grant Holder
- Update from the COST Association
- Follow-up of MoU objectives
 - Progress report of working groups
- Scientific planning
 - Scientific strategy
 - Action Budget Planning
 - Long-term planning (including anticipated locations and dates of future activities)
 - Dissemination planning (Publications and outreach activities)
- Requests for new members
- Non-COST applications to the Actions
- AOB
- Location and date of next meeting,
- Summary of MC decisions
-
- Closing

BM1406- MC Meeting, Lisbon 2016

Agenda

- Welcome to participants
 - 2/3 of country representatives
 - 24 countries in BM1406 + Serbia
 - 2/3 = 16 countries
 - Today: 20 /24 countries
 - 26 MC participants (68,42%)
- Adoption of agenda

Any other question you wish to discuss in this MC meeting?
- Approval of minutes and matters arising of last meeting ?

Last MC meeting in Poland, (24th-25th September 15)

Report have been send to all MC members !

BM1406- MC Meeting, Lisbon 2016

4. Update from the Action Chair

- Status of Action, including participating countries

New participating country : Republic of Serbia

Email vote: accepted
- Action budget status
 - Budget in GP1 128, 811.50 euros

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BM1406- MC Meeting, Lisbon 2016

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2015 report

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BM1406- MC Meeting, Lisbon 2016

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

- MC committee
 - Gender ratio
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 - Sex ratio = 50%
 - Previous ratio (September 15)
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- STSM = majority of women 3/3

BM1406- MC Meeting, Lisbon 2016

6. Update from the Grant Holder

a. Action budget status



University François-Rabelais of Tours, France

• Actual amount spent

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a. Scientific strategy

OBJ1. Available data managing and validation strategies consensus for identified targets.

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OBJ 4. Therapeutics

Proposals:

- Training school in calcium imaging
- TS ?
- Workshop in database computing applied to ion channels (Roman K.)
- Workshop in animal model
- Workshop on ion-related signal transduction
- Meeting on WG2
- Dissemination meetings?

9. Scientific planning

b. Action Budget Planning

total amount: 121, 000.00 euros

meeting 1 (MC) 50 people 2, 5 days	45 000,00 €	
Meeting 2 (MC) 30 WG? fin august, march	30 000,00 €	75 000,00 €
Training schools/workshops	17 000,000	17 000,00 €
STSM	12 000,000	12 000,00 €
Dissemination	1 500,000	1 500,00 €
	105 500,000	105 500,000
	15 825,000	15 825,000
	121 325,000	121 325,000

9. Scientific planning

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

Turkey, Antalya?

date	place	theme
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XX-September 17		
X-X March 18		
X-X September 18		
X-X March 19	Bruxelles /France ?	

BM1406 MC Meeting, Lisbon 2016

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9. Scientific planning

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BM1406 MC Meeting, Lisbon 2016

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9. Scientific planning

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- Congress for dissemination ?

BM1406 MC Meeting, Lisbon 2016

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Rules for dissemination meetings

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COST Action BM 1406

Dissemination planning

□ Official website

<http://costbm1406.univ-tours.fr>

□ Social media:

- Facebook



Updated regularly

> Newsletter => disseminated easily in our respective Universities via e-mail or printed copies

Newsletter

Ruth' idea

- First part would be any issues around meetings, events, training, funding that concern the cost action, not restricted to WG1, 2 or 3.
- Newsletters could be divided by theme : (three major themes),
 - 1) Ca2+ channels mediating store operated Ca entry (STIM-Orai, TRPC)
 - 2) P2X receptors
 - 3)K+ channels and other channels
- Call from WG leader to all members of Cost action inviting any group that works within these areas to contribute a short paragraph about: their research, recent papers and collaborators/links with industry. Short summary of some of the key aims and objectives within the group.
- Link the newsletters more directly to the meetings
- Possibility of linking up with other related meetings and perhaps sponsoring a talk at that meeting, with themes that overlap with the interest of our action.

Other ideas...?

It's time for action!

10. Requests for new members

- New members
 - Prof. Maria João QUEIROZ

- Republic of SERBIA
 - Dr. Jelena Antic Stankovic, Associate Professor, Faculty of Pharmacy, University of Belgrade, Department of Microbiology and Immunology Faculty of Pharmacy
 - Dr. Biljana Bozic, Associate professor of immunobiology, Faculty of Biology University of Belgrade





BM1406- MC Meeting, Lisbon 2016
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11. Non-COST applications to the Actions

- NO

12. AOB ?

BM1406- MC Meeting, Lisbon 2016
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13. Location and date of next MC meeting,



Institut Ruđer Bošković
 Address: Bijenička 54
 HR-10000 Zagreb,
 Croatia

15-16th September 2016

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Dr. Jelena Antic Stankovic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dr. Biljana Bozic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dr. Maria João Queiroz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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14. Summary of MC decisions

- Procedure for STSM approval
- Activities
 - Meetings
 - Training Schools
 - Newsletter
 - website

BM1406- MC Meeting, Lisbon 2016
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15. Closing

BM1406- MC Meeting, Lisbon 2016
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**BM1406: Ion Channels and Immune Response toward
a global understanding of immune cell physiology and
for new therapeutic approaches
(IONCHAN-IMMUNRESPON)**

**WG3 MEETING
10-12th March 2016**

**Faculty of Pharmacy
University of Lisbon, Portugal**





**Agenda of Lisbon 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)
Lisbon, Portugal from 9th March to 11th March 2016**

Wednesday 9th March

14:00-16:00	Registration
16:00	Welcome address
16:30	Opening Lecture Dr. Pierre Martineau (Fr) Design and use of antibody libraries for the development of therapeutic antibodies
17:30	Pr. Thomas De Coursey (USA) title
18:20	Welcome drink

Thursday 10th March 2016

09:00	Lecture 1 Dr. Catelijne Stortelers, Ablynx (Ge) Therapeutic targeting of ion channels with Nanobodies
10:00	Dr. Ettrich R. Cation translocation in human ORAI channels: Modeling and simulations.
10:20	Coffee break / posters
10:40	Pinto Espinoza C. Nanobodies that antagonize the P2X7 ion channel ameliorate inflammatory diseases
11:00	Dr. Rupprecht A. A proton leak during proliferation?
11:20	Dr. Louvet C. Exploring the role of <i>Torid</i> cation fluxes in Th17 cells
11:40	Dr. Jawhari A. Native and functional isolation of ion channels for therapeutic purposes
12:00	Lunch

14:00	Lecture 2 Pr. Claude Malvy, Roussy Institute (Fr) Therapeutic siRNAs: principle of action and cell delivery by functionalized Nanoparticles.
15:00	Dr. Konu O. Identification and validation of the mRNA-miRNA coexpression network obtained from a CHRNA5 RNAi model in MCF7 cells
15:20	Dr. Majewski L. Transgenic mice overexpressing key store operated calcium entry proteins in neurons offer novel possibilities for studying calcium signalling in AD
15:40	Coffee break / Poster
16:00	Dr. Rottoli E. Signaling and metabolic reprogramming of effector/memory T cells by purinergic P2X7 receptor
16:30	MC Meeting H2020
18:30	
20:00	Meeting Dinner

Friday 11th March 2016

	Lecture 3
09:00	Dr. Jean-François Liégeois, Liège (Be) Chemical and biological tools to explore SK channel functions and therapeutic potentials
10:00	Dr. Quieroz M.J. Synthesis of heterocyclic compounds that may interact with ion channels producing an immune response
10:20	Dr. Martin-Sanchez F Novel blockers of P2X7 receptor-induced membrane permeabilization inhibit unconventional IL-1 ² release
10:40	Coffee break / Poster
11:00	Homerin G. "Synthesis of new ligands of the P2X7 receptor as potential treatments in IBD and cancers"
11:20	Dr. Rubartelli A. Proton-pump inhibitors inhibit pro-inflammatory cytokine production by monocytes/macrophages and protect mice from acute sepsis
11:40	Dr. Soveral G. Aquaporin therapeutic modulation: emerging targets for drug discovery
12:00	Dr. Katjar E. Resting potential of cancer stem cells
12:20	Opening Discussion