

## Minutes Management Committee (MC) Meeting

### COST Action IC0604 Telepathology Network in Europe. EURO-TELEPATH Paris, France, March 12<sup>th</sup>, 2009

1. (09:00-09:15) Welcome to participants (Christel Daniel, host)
2. (09:15-09:30) Consortium meeting introduction. Adoption of agenda (Marcia Garcia Rojo, Action chair)
3. (09:30-09:45) Approval of the 3rd MC meeting (Evora) minutes
4. (09:45-10:30) COST Action IC0604 current status. Report from the COST Office
5. (10:30-11:30) Review of WG recent tasks. Implementation of the Memorandum of Understanding
  - 5.1 WG1 – Pathology Business Modelling (T.Schrader)
  - 5.2 WG2 – Informatics Standards in Pathology (C.Daniel)
  - 5.3 WG3 – Images: Analysis, Processing, Retrieval & Management (M.Ansorge)
  - 5.4 WG4 – Technology & Automation in Pathology (M.Garcia Rojo)
6. (11:30-12:30) Action planning. Working plan and budget for 2009-2010
  - 6.1 Objectives for 2009-2010, conference and Workshops, short-term Scientific Missions (STSM), training schools, non-COST countries, coordination with other related running COST Actions, outputs planned for 2009-2010.
  - 6.2 Action Budget Planning
  - 6.3 Action Planning (including meetings)
    - 6.3.1 Annual Progress Conference
    - 6.3.2 Location and date of next MC meeting
    - 6.3.3 Long-term planning (including anticipated locations and dates of future meetings)
7. STSM status, applications
8. Publications, dissemination and outreach activities
9. Request for new members
10. Non-COST country participations
11. IC0604 Action Web news
12. AOB (any other business). Final discussion
13. Closing
14. WG1, WG2, WG3 and WG 4 meetings: March 12 (afternoon) and March 13.

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**Participants**

MC members (alphabetical order by country)

1. Mislav Grgic, Croatia
2. Kresimir Delac, Croatia
3. Mikael Lundin, Finland
4. Jacques Klossa, France
5. Christel Daniel, France
6. Bernd Blobel, Germany
7. Thomas Schrader, Germany
8. George Nikiforidis, deputy member (after Anastasios Bezerianos), Greece
9. Vincenzo Della Mea, Italy
10. Arvydas Laurinavicius, Lithuania
11. Vytenis Punys, Lithuania
12. Will Bass, Netherlands
13. Luis Gonçalves (Vice Chair), Portugal
14. Branimir Reljin, Serbia
15. Marcial García Rojo (Chair), Spain
16. Michael Ansorge, Switzerland
17. Touradj Ebrahimi, Switzerland
18. Mohammad Ilyas, United Kingdom

Invited experts

1. David Ameisen, France
2. Karima Bourquard, France
3. Isabelle Gibaud, France
4. Paulette Herlin, France
5. François Macary, France
6. George Sakellaropoulos, Greece
7. Darius Leonavicius, Lithuania
8. Gloria Bueno, Spain
9. David Booker, USA
10. Mary Kennedy, USA
11. Ed Scharber, USA
12. Wendy Scharber, USA

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**2) and 3) Adoption of agenda. Approval of the 3rd MC meeting (Evora) minutes**

An introduction of COST, and COST Action IC0604 we made, aimed to invited experts.

The meeting agenda was adopted according to the initial proposal, except that approval of the 3rd MC meeting (Evora) minutes was delayed to the afternoon session. Finally, it was approved by all MC members.

**4) COST Action IC0604 current status. Report from the COST Office**

**Participants:** Currently, 16 countries are participating in COST Action IC0604:

Croatia	17/07/2008
Cyprus	27/06/2008
Finland	02/05/2007
France	28/11/2007
Germany	02/05/2007
Greece	20/10/2008
Italy - Prof Paolo DALLA PALMA(*)	10/10/2007
Lithuania	29/10/2007
Netherlands - Mr. Wil BAAS(*)	19/11/2008
Norway	03/10/2008
Poland	02/05/2007
Portugal	06/11/2007
Serbia	12/09/2007
Spain	08/05/2007
Switzerland	19/05/2008
United Kingdom	02/05/2007
<i>Total</i>	<i>16</i>

To new members of MC have joined the consortium since our last meeting in Evora, Portugal: Mr. Mr. Wil Baas (The Netherlands), and Prof Paolo Dalla Palma (Italy). We welcome them to our group.

**Intermediate Financial Report**

Total grant period: 2007-2011

Period of reporting: 1 July 2008 - 30 June 2009 (sent on Jan 15th, 2009)

Allocated 12 month budget: 85,000 €

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Previous approved Workplan:

Instrument	Quant	Budget
Meetings	4	41350 €
Meeting Supports	4	8653 €
STSMs	8	15911 €
Training Schools	0	0 €
Action General Support Grant (GASG)	N	0 €
Dissemination, Publications	5	8000 €
Others	0	0 €
<b>SCIENCE EXPENDITURE: 73914 €</b>		
Secretariat (MAX. 15%)	15 %	11086 €
<b>TOTAL EXPENDITURE: 85000 €</b>		

**Budget request for: 1 January 2009 – 30 June 2009**

We have the following notice from COST Office:

- In order to prepare the Second Payment, could you please send me the attached template request filled-in. Please report the details for the Forecast you entered in the 'Table 1' of your Intermediate Financial Report (attached).
- We will allocate to you the money you request, but as usual we would like to avoid any under-spending. Please do not hesitate to review your Forecast if you feel you will not need the whole money reported in the Intermediate Financial Report Forecast. I am especially wondering about the 15,911 EUR reserved for STSMs: how many are you planning and how sure are you to spend that amount before 30 June 2009?

The MC discusses the best way to adjust our budget and avoid under-spending.

Meetings:

- 1) Evora, 2-3 Oct 2008. Travel costs (15 p): 11,905,78 € (Estimated: 12,850€).  
Organization: 2,031.37 € (Estimated: 2,500€)
- 2) Warsaw, 28-29 Nov 2008. Travel costs (12 p): 8.490,88 € (Est: 8,000€).  
Organization: 2,397.30 € (Estimated: 2,500€)

Next:

- 4) Paris, 10-11 Mar 2009. Estimated: Travel costs: 12,500€ / Estimated organizational costs: 2,000-2,500€

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5) Berlin, 7-8 May 2009. Estimated: Travel: 8,000€ / Org: 1,653€. It will take place in conjunction with the 4th Workshop of Open European Nephrology Science Center.

6) June 8-9, 2009. COST-ICT Annual Progress Conference (APC)

Santander, Spain. Related event: 10 - 12 June 2009. ICT-MobileSummit 2009

Santander - Spain. <http://www.ict-mobilesummit.eu/> COST-ICT Annual Progress Conference (APC) will be co-located with this event (in coordination with the European Commission).

STSM:

None performed between July 2008 and March 2009!

Scheduled: 2 (they will be performed in May and June)

Due to the low number of Short Term Scientific Missions performed, at the end of December 2008 we began new dissemination activities aimed to national scientific societies of pathology and informatics. Thanks to this dissemination effort, two requests for STSM were received.

The following STSM requests are approved by MC during this meeting:

1) COST STSM Reference Number: COST-STSM-IC0604-4046

Period: 05/05/2009 to 13/06/2009

STSM Applicant: Mr Carlos Lopez (Bachelor in Cellular Biology and Genetics, PhD Student), Hospital de Tortosa Verge de la Cinta, Tortosa (ES),  
clp3@gmail.com

STSM Topic: Collaboration to improve cell counting by digital image analysis.

Host: Anna Korzynska, Institute of Biocybernetics and Biomedical Engineering, Warsaw (PL)

Budget Request: 2,480 Euro

2) COST STSM Reference Number: COST-STSM-IC0604-4312

Period: 04/05/2009 to 24/05/2009

STSM Applicant: Dr Myriam Oger, GRECAN - François Baclesse Cancer Center, CAEN(FR), m.oger@baclesse.fr

STSM Topic: Influence of staining methods on automatic indexing of histological breast tumor virtual slides

Host: Paul van Diest, Department of Pathology, UTRECHT(NL)

Budget Request: 2,140 Euro

The MC members will make an additional effort to promote STSM. If no new requests are received during next week (until March 20<sup>th</sup>), following Prof. Mohammad Ilyas proposal, part of the STSM budget can be assigned to the organization of a Training

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School in the United Kingdom, at the end of June 2009. MC approved this budget reallocation,

Training school– MC approves the organization of a Training School, organized by Prof. Mohammad Ilyas, in Nottingham (U.K.). The dates will be discussed by e-mail. But a initial proposal is the end of June, in case no new STSM requests are received in the following days.

- Topic: Training School on Open Source tools for Image Processing and Analysis in Pathology
- Image J Tutorial/workshop
- Organized by: Mohammad Ilyas. University of Nottingham

Dissemination activities performed:

- 1) DICOM meeting in San Diego (Sep 2008). Spent: 1.287,61 €
- 2) Warsaw meeting report (Proceedings). Estimated budget: 2.000 €

Other dissemination activities (publications, other congresses):

We have been promoting COST Action IC0604 in chapter of books, scientific journals and other congresses:

- Chapter of books:
  - Sabah Mohammed and Jinan Fiaidhi (Department of Computer Science, Lakehead University, Ontario, Canada) Editors of the **IGI Global Book: Ubiquitous Health and Medical Informatics: Advancements in Web 2.0, Health 2.0 and Medicine 2.0**
- Journals:
  - Standards to Support Information Systems Integration in Anatomic Pathology (C. Daniel, Archives of Pathology & Laboratory Medicine)
  - Revista Española de Patología (Spanish Journal of Pathology)
- Congresses
  - JPEG meetings (next is scheduled on April 2009).
  - Standardisation Forum. La Granja, Segovia, Spain (11-12 Feb 2009). Lecture presented by Marcial Garcia Rojo.
  - Spanish Congress of Medical Informatics. Tenerife, Spain (12-14 Nov 2008). Lecture presented by Marcial Garcia Rojo.
  - Workshop during the 22nd International Congress of the European Federation for Medical Informatics (MIE 2009). August 29 - September 2. Sarajevo, Bosnia & Herzegovina. COST Action IC0604 5th WG3 and

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5th WG4 meetings. A paper has been prepared by four members of the MC to be presented in this congress:

- 1) Automation in pathology: analysis of scanning solutions for pathology microscopic slides. M.García Rojo, Gloria Bueno.
- 2) A data model for handling whole slide microscopy images in picture archiving and communication system Vytenis Punys, Arvydas Laurinavicius, Jurate Puniene
- 3) Automated quantitative analysis of neuroendocrine cells significant in the pathological classification of the chronic gastritis. (the preliminary study). Tomasz Markiewicz, Cezary Jochymowski, Robert Koktyusz, Wojciech Kozlowski, Janina Slodkowska
- 4) Automated image analysis system supporting the neuropathologist in ki-67 index and cell density evaluation in brain tumours. (the preliminary study). Tomasz Markiewicz, Bartłomiej Grala, Wojciech Kozlowski, Stanislaw Osowski, Janina Slodkowska

Prof. Bernd Blobel explains that the presented paper needs some improvements to give a more homogeneous view of COST Action IC0604 activities. We agree that a new version of the paper should be sent to Prof. Blobel within a week, to be included as part of MIE 2009 proceedings.

- Web site of National/International Pathology Societies. We should promote our activities in national and international scientific societies web sites. Ej: <http://www.seap.es/noticias/index.asp#233>

Grant Holder (FISCAM) news:

- Explained Rules for reimbursement of expenses for experts eligible for reimbursement. Some clarifying notes from the MC of COST Action IC0604. The MC agrees with the explanations received from Grant Holder.
- Cost Office budgets approximately up to 640 euros per person and meeting. (1 day before or 1 days after meeting)
- Please use last version distributes by Grant Holder

The consortium would like to express once again to FISCAM for their excellent coordination work.

By the end of May, Marcial Garcia Rojo will send COST Office the budget request for 1 January 2009 – 30 June 2009, according to the proposals received from MC members.

**5) Review of WG recent tasks. Implementation of the Memorandum of Understanding**

The chairs of each working group explain main achievements and recent activities:

- WG1 – Pathology Business Modelling. Presented by Thomas Schrader.  
Current status of Review Business Values is presented: The diagnostic process in Pathology consists of at least three subprocesses: the routine diagnostic process, the teleconsultation as an additional tool to confirm the diagnosis and the Immunohistochemistry (IHC) with the new impact on therapy. It is decided that IHC and molecular pathology should be considered as a special business value like “Predictive Marker Evaluation”. The formal teleconsultation process is presented. Integration of Automations is also modelled. Anatomic pathology reporting to public health repositories is discussed.
- WG2 – Informatics Standards in Pathology. Presented by Christel Daniel.  
Actives related to DICOM (Jacques Klossa), HL7, IHE and JPEG standards are presented. The IHE Anatomic Pathology Technical Framework Supplement on Anatomic Pathology Reporting to Public Health Repositories is described.
- WG3 – Images: Analysis, Processing, Retrieval & Management. Presented by Michael Ansorge. Image Analysis in immunohistochemistry is a main research area. Research activities of Polish and Swiss groups are presented. A training Scholl on Image J is considered an important activity to be performed.
- WG4 – Technology & Automation in Pathology. Presented by Marcial Garcia Rojo. Microscopy digital solutions should consider not only scanners technology but also viewers software and monitors. The application of this technology in clinical and research fields (eg. Tissue Micro-Array -TMA analysis) should be assessed and a proposal of a new European project will be presented during WG4 meeting.

**6) Action planning. Working plan and budget for 2009-2010**

**Next meetings. Workshops approved by MC**

1) August 29<sup>th</sup> - September 2<sup>nd</sup>, 2009. Sarajevo, Bosnia & Herzegovina. COST Action IC0604 5th WG3 and 5th WG4 meetings. In conjunction with 22nd International Congress of the European Federation for Medical Informatics (MIE 2009). Workshop on COST Action IC0604 activities.



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2) September 4<sup>th</sup> 2009. Florence, Italy. 22nd European Congress of Pathology (Florence, September 4-9). COST-Action IC0604 Workshop "Business Modeling & Informatics Standards" (5th WG2 meeting). During the Precongress meeting 1: Business Modeling & Informatics Standards), linked to the activities of the COST-Action IC0604. Other interesting activities during this congress are DICOM WG26 meeting. Christel Daniel proposes to ask organisers for a possible joint IHE Anatomic Pathology-DICOM WG26. Vincenzo Della Mea will ask local organizers about this.

**3) December 3<sup>rd</sup>-4<sup>th</sup>, 2009. Lausanne, Switzerland. 5th COST Action IC0604 MC and 6th WGs meeting. Ecole Polytechnique Federale de Lausanne.**

4) January 2010. European Scanner Contest and IC0604 WG1 and WG4 meeting  
Location: Brandenburg, Germany

Number of participants to be reimbursed: 15

Travel costs: 2500 €

Organisational support: 1500 €

5) May 2010. 5th Workshop of OpEN.SC

Location: Berlin, Germany

Number of participants to be reimbursed: 15

Travel costs: 2500 €

Organisational support: 1000 €

**6) 1-3 July 2010. 10th Euro Telepath Congress, Vilnius, Lithuania. During this international congress MC and local organizers agree to organize the 6th COST Action IC0604 MC and WGs meeting.**

7) September 2010. Belgrade. 10th Symposium on Neural Network Applications in Electrical Engineering. Prof. Dr. Branimir Reljin proposed the organization of a WG and/or MC meeting during this important Symposium. MC agrees with the proposal.

8) COST IC0604 plenary jointly to a TESCT Workshop in Fribourg / Switzerland in 2010 (jt. Stem cell consortium?)

Pathologists in Action IC0604 agree that stem cell research is a most important topic and we should promote joint research activities with stem cell research groups.

Next events calendar

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	JPEG April 2009	Berlin 7-8 May	Sarajevo Aug 29 - 2 Sept	Florence 4-7 Sept	Lausanne 3-4 December	Scanner contest January 2010
MC					X	
WG1		X		X	X	X
WG2	X	X		X	X	
WG3	X		X		X	
WG4	X		X		X	X

**7) STSM status, applications**

Due to the low number of STSM accomplished in the 2008-2009 period, MC members should make additional efforts to promote them. They are considered a very important tool, and our next work and budget plan should again include a significant budget for these activities.

**8) Publications, dissemination and outreach activities**

MC members will be participating in other meetings and congress where we will explain COST Action IC0604 activities, in order to promote new research partnerships. Prof. Touradj Ebrahimi will explain our interests in compression in Medicine during the next JPEG meeting (scheduled April 2009).

Other next important dissemination activities are:

- ? August 29 - September 2. Sarajevo, Bosnia & Herzegovina. 22nd International Congress of the EFMI (MIE 2009). Workshop on "Digital Pathology in Europe. Coordinating Patient Care and Research Efforts". Publication of this paper in MIE 2009 proceedings
- ? September 4th 2009. Florence, Italy. 22nd European Congress of Pathology (Florence, September 4-9): COST-Action IC0604 Workshop "Business Modeling & Informatics Standards" DICOM WG26 – IHE meeting

Papers published by two or more members of the COST Action IC0604 related to our activities, should include a phrase in acknowledgement section, mentioning "With the support of COST Action IC0604 Euro-Telepath".

Next important objectives:

- Links to other COST Actions + projects

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- Involvement of companies: We appreciate the effort of Philips company to participate in our Action. Barco company, a important high quality medical monitors (screens) has participated in this event.
- Future projects: Gloria Bueno presented the calendar of new research projects funded by European Union.
- => Identification of funding sources, related calls, profile of consortia etc.

### **9) and 10) Request for new members. Non-COST country participations**

Although 16 countries are already participating in COST Action IC0604 new members are most welcome. Some other company members and other research groups in pathology could help us in special topics.

WiPro Ltd (India) is not attending this meeting. They sent us a presentation about "Remote Pathology Solution", about Update on telepathology, Technology enablers for remote pathology, and Business models. It was distributed to MC members by e-mail on 13/01/2009.

We have contacted with Eka Kldiashvili, Ph.D., Executive Director of the Georgian Telemedicine Union (Association). As a result of this cooperation, we have included a chapter in the book she is editing entitled "Grid Technologies for eHealth: Applications for Telemedicine Services and Delivery".

### **11) IC0604 Action Web news**

COST Action IC0604 web site (<http://www.conganat.org/eurotelepath>) has private areas that contain the collection of prior postings to the e-mail list (COST-IC0604 Archives). The current archive is only available to the list members. Private areas to upload and download files are also available.

### **Next MC meeting**

5th COST Action IC0604 MC and 6th WGs meeting.

Next COST Action IC0604 meeting will take place on December 3rd-4th, 2009. In: Ecole Polytechnique Federale de Lausanne. Lausanne, Switzerland.