

Report on Joint ESF Euroglycoforum and Euroglycosciences Meeting Lisbon February 2010 ESF Meeting Ref no 2960

This meeting enabled us to bring together 28 delegates from 15 countries across Europe who have an interest in promoting glycoscience. The delegates included leaders of most of the major groups in this field and was extremely useful in planning activities for the next few years

A previous ESF sponsored workshop entitled 'Glycosciences comes of age' was held in Croatia in 2007 and at that workshop a number of interest areas were identified in which glycosciences could be expected to have a major impact. This resulted in setting up of interest groups in these areas within the Euroglycosciences Forum as shown below.

At the same meeting it was decided to apply for funding for an ESF Research Networking Programme in this area and this was successful with the establishment of the Euroglycoforum Research network Programme which started in May 2009.

At previous meetings with both groups it was obvious that close communication between them was required to establish how they would operate and understand how they could best work together. The steering committee of the RNP did include some who were also chairs of interest groups but others were involved as well.

The meeting in Lisbon enabled both groups to get together and presentations were made from both with plenty of opportunity for discussion and debate.

There was also an opportunity to hold a scientific meeting following the meetings of both groups.

Reports follow on the meetings of the Euroglycosciences Forum Executive Committee and of the Joint meeting with the RNP steering committee. A report on the scientific meeting is also included

In summary we were able to review activities and produce an action plan to promote and disseminate information on Glycosciences throughout Europe . A programme of future events is planned which will look at specialist areas as well as further joint meetings of the Steering Committee of the Research Network and of the Euroglycosciences Forum Executive Committee and help to develop a comprehensive and extensive programme for Glycoscience throughout Europe for the coming years.

The contents of this report are ;

1. ESF Euroglycoforum Research Network Programme Executive Committee
Euroglycoscience Forum Executive Joint Meeting
- 2.

**ESF Euroglycoforum Research Network Programme Executive Committee
Euroglycoscience Forum Executive Joint Meeting
Monday 22nd February 2010 Lisbon 10.00 – 13:00**

Introductions

The meeting was chaired by Professor Sabine Flitsch and started with introduction of all participants listed in the Annex ;

Prof Flitsch then explained that this meeting was open to all participants but that the two meetings following were closed for procedural reasons. She went on to describe the background to the present situation which provided background to the fact that there were two organisations. She then described the relationship between the two and a copy of the presentation is attached in the Annex.

Outline of ESF Research Network Programme EUROGLYCOFORUM

This was followed to a brief outline of the Networking Programme which will run from May 2009 to April 2014. The objectives of the network are

1. To provide a resource for information and training in all aspects of glycoscience
 - Provide details of centres of expertise and contacts throughout Europe
 - Maintain the website (www.glycosciences.eu) with lists of contacts, publications, meetings and a discussion forum
 - Publish information on glycoscience and its applications
 - Maintain a database of members and their areas of expertise
2. To play a role in fostering international links with other groups such as those throughout Europe, the USA, and Japan.
 - Host and participate in International meetings
 - Make and maintain contact with all International groups in Glycoscience and related areas
 - Discuss common objectives and best means to achieve them
3. To promote scientific meetings in glycoscience and its applications
 - Set up series of training workshops.
 - Organise meetings in conjunction with learned societies in member countries
 - Hold meetings in areas of specific interest to members
4. To act as a catalyst for multidisciplinary collaborations that will facilitate ambitious research programmes to keep the European community at the forefront in the field of glycosciences and related areas.
5. Investigate sources of funding for glycoscience
 - Actively lobby for support for glycoscience based projects from Research Organisations in member countries and the EU
 - Make forum members aware of potential for International collaboration
 - Spread information to the general research community on the expertise and resources available from members .

Professor Flitsch then gave a presentation on the identity and relationship between ESF Euroglycoforum Research Network and Euroglycosciences Forum. A copy of this presentation is attached

Dr Merry as external programme coordinator then presented a summary of activities of the Network to date

Meetings Sponsored

Two meetings have been held so far

Jenner 9th Jenner Glycobiology and Medicine Symposium
Sunday - Tuesday 13 - 15 September 2009

5th International Conference on Polysaccharide Glycoscience
Sunday - Tuesday 13 - 15 September 2009

Reports are available on line at http://www.egsf.org/meetings_funded.html . Reports of all meetings which have been funded will subsequently appear on the same web site.

To date four further meetings have been approved, three to be held in 2010 and 1 in 2011

Glycoarray Workshop - Current Perspective of Glycoarrays
Groningen Netherlands
Organising Committee Prof. Sabine Flitsch, Prof Hans Kamerling

Sialoglyco 2010 Kongresshotel Potsdam,
Potsdam, Germany
23rd – 26th June 2010
Organisers Prof Rita Gerardy-Schahn,

Glycomarkers for Disease
Wierzba Poland
Organisers Dr Tony Merry, Prof Grazyna Palmarczyk, Prof Jean-Claude Michalski

Carbohydrate Chemistry – From Synthesis to Applications
Lyon 11th – 15th April 2011
Organiser Dr. Sebastien Vidal,

Brochure

This is a major means of introducing and publicising the network. Dr Merry thanked all those who helped with the preparation of this document. A total of 2000 of these have now been printed. Copies of the brochure were distributed and further copies may be obtained from Dr Paul Beckers

Web site – www.egsf.org

This was established in July 2009. Information is available on

- Applications for funding
- Glycoscience Directory
- Reports
- Steering Committee Members
- Forum Interest Groups and Chairs
- Meetings
- Positions

The web site also has links to
Contacts
News
Discussion Forum

Further developments of the website are proposed. The Glycoscience directory is at present a 'flat' spreadsheet and although this contains all the information it is not well displayed and is difficult to search. It is proposed to set this up a full web-based database which would be searchable. In the

first case the IT department at ESF will be approached to see if they can assist with this. Alternatively some funding is available for external production of this. Reports and highlights of recent publications in Glycoscience are to be put on the web site. Mirko von Elstermann who was involved with setting up the Nature/CFG web site has been contracted to do this. They will be available at <http://www.egsf.org/keypub.html>. It has also been proposed that brief reports of meetings attended should be made available on the web site. It was suggested that these could be written by students who had obtained a grant to attend the meetings. Such grants could be funded through the ESF funding scheme for meetings and the organisers could apply for funding to cover grants for students attending the meetings. In the meantime anyone who would like to submit a meeting report should send it to Tony Merry (anthony.merry@amnchester.ac.uk)

Forum Discussion Groups - Proposal for polysaccharide engineering group

This was universally welcomed and Prof Christiansen will now contact those who he thinks may be interested but anyone with an interest in this area is welcome to join the interest group.

Proposals for future activities

The following proposals were made

European Glycoarray Network – Prof Ten Feizi

Prof Feizi highlighted the need for a facility in Europe for Glycoarrays particularly with the funding for the relevant activities of the CFG coming to a close. This was generally agreed but there was considerable discussion on how this could be funded.

There were some who thought this could be funded by an institution who could then get funding for use of the facility

Others thought that the level of funding was beyond any individual institution but should be funded at a European level. This would require a suitable call to be identified – see discussion on lobbying later. It was generally agreed that it would be useful to have a centralised facility in Europe to prevent duplication of resources. It was noted that Prof Ola Blixt is establishing one in Copenhagen. There will be a major workshop on Glycoarrays funded partly through the ESF Network to be held in Groningen in April 2010 which will also have representatives from the CFG and it was thought that it would be useful to discuss this subject in further detail there.

Symbolic Glycan Representation – Prof Pauline Rudd

Prof Rudd described moves to standardise the various schemes for representation of glycan structures in a diagrammatic way by use of symbols. This had been proposed by Prof Paulsen who said there should be some agreement on the various different scheme currently in use. There are two main schemes currently in use. One is the 'Oxford Notation' which includes information on bond angle and anomericity in the diagrams and the other used in the Fundamentals of Glycobiology textbook which is simpler but relies on the use of colour. Details of the two schemes are available as follows

Proposal for a standard system for drawing structural diagrams of N- and O-linked carbohydrates and related compounds. Harvey DJ, Merry AH, Royle L, Campbell MP, Dwek RA, Rudd PM. Proteomics. 2009 Aug;9(15):3796-801. Erratum in: Proteomics. 2009

<http://www.functionalglycomics.org/static/consortium/Nomenclature.shtml>

Each scheme has its merits but it is felt the use of different scheme is confusing to those both in the field and especially those outside. Prof Kamerling has agreed to chair a committee which will discuss the issue and make a recommendation to the community and to journal publishers.

Discussion on this subject is encouraged and the Network website has a suitable discussion forum where this may take place and Forum members are encouraged to use this at <http://www.egsf.org/symbols.html>. It should be noted that software is available which readily allows conversion between different formats and the standard IUPAC nomenclature see Glycoworkbench at <http://www.ebi.ac.uk/eurocarb/gwb/home.action>

2011 Year of Chemistry – Prof Amelia Pilar Rauter

Professor Rauter reminded the meeting that 2011 had been nominated as the year of Chemistry and that a major meeting of the Portuguese Chemical Society was planned next year in the spring. She proposed a satellite meeting devoted to Carbohydrate Chemistry and Biochemistry. She further suggested that a programme for dissemination of information for teaching of Glycoscience could be set up perhaps with publication of teaching material suitable for use in schools to encourage more students to take up the subject

Interest Group satellite Meetings at IGS Glyco21 2011 Vienna - Prof Iain Wilson

Prof Wilson said that he was organising the scientific sessions at the Glyco21 meeting of the International Glycoconjugate Symposium in Vienna (details at <http://www.glyco21.org/>) and that this would be an ideal opportunity to organise satellite meetings by the Interest groups of the Forum. This was generally agreed and several of the chairs said they would be canvassing support and putting together programmes through this. Funding would be available through the normal routes for ESF sponsored meetings as described above

Derivatisation of Polysaccharides - Prof Jana Čopíková

There was a brief scientific presentation by Prof Čopíková which highlighted this aspect of polysaccharides and she further showed the need for an interest group in this area. She will be asked to give the full presentation at the next meeting.

Other meetings proposed

Several attendees said they had ideas for further meetings and would submit these as applications for funding through the ESF web site at <http://www.esf.org/activities/research-networking-programmes/life-earth-and-environmental-sciences-lesc/current-esf-research-networking-programmes-in-life-earth-and-environmental-sciences/the-euroglycoscience-forum-euroglycoforum/science-meetings/call-for-proposals.html>

Future activities and plans

It was pointed out at the Forum Trustees meeting that the Annual General Meeting of the Forum should be held as soon as possible. The most convenient time and place for this would be at the Glycoarray Workshop to be held in Groningen in April and arrangements will be made for this. Notice of the AGM and the Agenda for the meeting will be circulated by March 10th

It was also stated that a role of the Executive Committee is to make decisions on the activities of the Forum following such advice as may be given by the Trustees (see minutes of the Trustees) and any resolutions passed at the AGM of the Forum.

It was noted that the Network funding mechanism provides a good means for supporting Interest Group meetings. The responsibility for their organisation rests with the Chair of the interest group but information on any meetings planned will be circulated to the forum.

At the ESF Network Steering Committee Meeting it was decided that non-members can be non-voting members at future meetings. It was therefore proposed that future meetings should also be held jointly which will help to disseminate information and to reduce costs and members time.

It was proposed that the next Meeting of the Steering Committee should be at the International Glycoconjugate Symposium in Vienna. A suitable slot will be organised and all Executive Committee members will be advised to the time and location of this.

Meeting of the ESF Euroglycoforum Research Network Steering Committee
Monday 22nd February 2010 Lisbon 14.00 – 17:00

1. **Welcome and Introductions.**

The meeting was chaired by Prof Sabine Flitsch. Prof Pauline Rudd was welcomed as the representative for Ireland and Paul Beckers said that Hungary has also joined the Network but had not yet nominated a representative. Hans Kamerling agreed to contact Prof. László Somsák from Hungary who had made representations to the HAS and OTKA in Hungary. He has agreed to make a recommendation to them.

Note Prof Kamerling contacted them and they conformed that Prof. Dr. László Somsák will be the Hungarian member on the Steering Committee

2. **Approval of the Minutes of Last Meeting**

These were accepted

3. **Matters arising from Last Meeting**

- A logo for the RNP has been designed following an idea of Prof. Opdenakker and this can be used in all publications and websites.
- Dr Merry informed the meeting that a web site for the RNP had been set up at www.egsf.org in addition to that on the ESF website at <http://www.esf.org/glycoscience>
The independent web site has more complete information about the RNP such as Applications for funding
 - Glycoscience Directory
 - Reports
 - Steering Committee Members
 - Forum Interest Groups and Chairs
 - Meetings
 - Positions

The web site also has links to

Contacts

News

Discussion Forum

Further developments of the website are proposed. The Glycoscience directory is at present a 'flat' spreadsheet and although this contains all the information it is not well displayed and is difficult to search. It is proposed to set this up a full web-based database which would be searchable. Paul Beckers said he would enquire whether the ESF informatics section could help in any way with this but if not funds had been allocated for web site development which could be used for this purpose.

Tony Merry also said that the brochure for the RNP had now been published by ESF. He thanked all those on the steering committee who had helped in the production of this. Paul Beckers said that 2000 copies had been printed. Copies were made available to all the steering committee and further copies can be requested from ESF. It was felt that in addition to the brochure it would be useful to have a short flyer about the newly launched EGSF-web site. Tony Merry agreed to draft this and to make it generally available.

Note This has now been done and is also attached to these minutes

Links with external groups/organisations

It was noted that there is a strong link between the RNP and the Euroglycosciences Forum as evidenced by the joint meeting. It is important that the distinction between the two is

made and this is clarified in the slide in the Appendix.

It is apparent that links can also be forged with other organisations. There are well established networks such as that representing Congenital Disorders of Glycosylation (EUROGLYCANET <http://www.euroglycanet.org/>) as well as other in specialised areas of Glycoscience and we should seek closer contact with these.

Links with Industry

It had been proposed at the initial meeting that links with Industry should be forged. One problem was identifying companies who might be interested as apart from small companies specialising in products and services in Glycoscience it was only of peripheral interest to most larger companies. However it was pointed out that in the biopharmaceutical industry analysis of glycosylation was required for all glycoproteins and there was considerable interest in this area. Prof Pauline Rudd said that her organisation in Ireland, The National Institute for Bioprocessing Research and Training (NIBRT) in Dublin, had many links to such companies, provided training courses and performed contract work for them. Similar organisations exist in other countries who are members of the RNP.

There was some debate as to how the links with Industry could be made. One possibility would be to set up a sub-committee with responsibility. At the moment it was felt that at least information could easily be provided on the web site for companies with an interest in Glycoscience and the flyer could be a means of drawing their attention to this.

International Network outside Europe

This would be welcomed by the steering committee and it was noted that at the Workshop on Glycoarrays being organised in the Netherlands with co-funding from the RNP there would be several members of the Consortium for Functional Glycomics in the US attending and indeed they were co-sponsoring the meeting. This would be a good opportunity to investigate how links to glycoscientists in the US can be further developed. It was also suggested that approaches be made to glycoscientists in Japan who have similar interests.

4. Opening meeting to observers

It was noted that at the joint meeting there were several attendees such as Trustees of the Forum and Forum Executive Committee members who were not on the Steering Committee but who could usefully contribute to discussions. Paul Beckers confirmed that they could attend the meeting as observers but that they would have no voting rights.

5. Budget

Paul Beckers presented an update on the budget. He said that the financial year of the ESF ran from January to December so we were now in the 2010 financial year. The budget currently stands at € 64 002.78 including the events that were already scheduled for 2010 – see attached document It was noted that there was an apparent under spending at the moment but as the programme has only been open for 10 months so far this may be considerably less at the end of 2010. Tony Merry said that amount for current meetings approved amounted to 123,980 € . This would leave a sum of around 40,000 € for meetings in 2010 but could be higher as some meetings already approved would not require the full amount asked for.

The current budget is attached.

6. Calls for Funding

It had been agreed that these would be at 4 monthly intervals and the application forms had been set up on the ESF website. The next deadline will be 15th March 2010. To date meetings have been funded Two meetings have been held so far

5th International Conference on Polysaccharide Glycoscience
Sunday - Tuesday 11th - 13th November 2009

Reports of these meetings are attached and are available on line at http://www.egsf.org/meetings_funded.html . Reports of all meetings which have been funded will subsequently appear on the same web site.

Requests for funding for a further four meetings had been received so far and all had been approved.

Three are to be held in 2010 and one in 2011

Glycoarray Workshop - Current Perspective of Glycoarrays
Groningen Netherlands
Organising Committee Prof. Sabine Flitsch, Prof Hans Kamerling

Sialoglyco 2010 Kongresshotel Potsdam,
Potsdam, Germany
23rd – 26th June 2010
Organisers Prof Rita Gerardy-Schahn,

Glycomarkers for Disease
Wierzba Poland
12th – 15th September 2010
Organisers Dr Tony Merry, Prof Grazyna Palmarczyk, Prof Jean-Claude Michalski

Carbohydrate Chemistry – From Synthesis to Applications
Lyon, France 11th – 15th April 2011
Organiser Dr. Sebastien Vidal

There had been some concern expressed about meetings which were being organised by members of the steering committee and whether this constituted a conflict of interest. After some discussion it was agreed that this could be the case and that in future organisers who are on the Steering committee should not vote on these meetings. It should also be possible to register an abstention.

The present system for voting on the applications involves registering the votes on a web site currently <http://fs3.formsite.com/glycoscience/form867405893/index.html> Although this system has been working satisfactorily it was suggested that Steering Committee members should be able to access all the votes and comments of other members and this will be put in place for the next call.

There seemed to be some confusion as to the location of the web site where the calls are announced and where guidance and application forms can be accessed. This is on the ESF server but the most convenient route is from the independent web page of the RNP through a link on the home page at <http://www.egsf.org/>.

0. Lobbying for Glycoscience

It was agreed that funding for Glycoscience should be increased and that lack of information about the subject and recognition of its importance led to few calls in this area. It was felt that lobbying would help the situation but it is uncertain how best to do this. Tony Merry pointed out that it should take place at different levels

- 0.1. At a National Level – FP7 country representative should be contacted and supplied with information
- 0.2. At an International level – we should promote Glycoscience to other organisations

It was noted that previous contact with Dr Sergio diVirgilio had been helpful and as he was now in the Policy Committee for the EU FP7 it would be helpful to contact him for his advice in the first place. WE have also previously had contact with Prof. Josef Glössl on the Standing Committee for the Life, Earth and Environmental Sciences (LESC) at the European Science Foundation (ESF) who should also be contacted for advice. It is also possible to register the RNP as an organisation for consultation. Members should also be encouraged to register as evaluators as proposals suffer if there is no one with Glycoscience expertise on the evaluation panel for proposals. This can be done at the following web site <https://cordis.europa.eu/emmp7/index.cfm?fuseaction=wel.RegForm>

Finally there will be call for EUROCORES applications in 2010 and when this information is available an application in the area of glycosciences should be considered

9. AOB

Several committee members said they were planning applications for funding for meetings and workshops which will be sent to the ESF under the current call and subsequently reviewed by the Steering Committee after the closing date

10. Next SC meeting

The next Steering Committee Meeting will be held during the **Glyco21 meeting in Vienna August 21st – 28th 2011**. The date and time will be confirmed. Observers from the Euroglycosciences Forum will also be invited to this meeting

The meeting was closed at 17.00 hrs.

Report on the Scientific Sections Monday 22nd February and Tuesday 23rd February

The meeting concluded with a two sessions with scientific presentations. Professor Lena Kjellen spoke on the proposal of “Is there a GAGosome?” . She showed how Glycosaminoglycans are constructed according to the make-up of their biosynthetic enzymes which produced very complex but consistent patterns according to the species some of which are very highly conserved, thus may be considered to be a GAGosome. The presentation by Professor Pauline Rudd from NIBRT showed how high throughput analysis of serum protein glycosylation is now possible through a combination of technologies and that it is realistic to consider large scale disease biomarker screening and described projects currently underway. The final talk of the evening by Júlia Costa of the Instituto de Tecnologia Química e Biológica considered a key class of enzymes identified in neural tissues the fucosyltransferases and showed how these can provide regulation and signalling functions and neuronal tissue.

The talks on the next day covered both biological and chemical aspects of glycobiochemistry. Professor Iain Wilson (Universitaet fuer Boden-kultur, Wien) showed how comparative studies in non-vertebrates can help us understand the evolution and possible functions of glycosylation. Direct medical application in the field of cancer were described by Celso Reis, Institute of Molecular Pathology and Immunology of the University of Porto who considered how glycosylation and

interaction with micro-organisms can be important in developing gastric cancer. This was followed by another commonly occurring facet of glycobiology, glycanation, in which monosaccharides can become attached to proteins and modify their properties and actions. Finally some aspects of the very large class of carbohydrate polymers known as polysaccharides were discussed by Manuel Coimbra Universidade de Aveiro who showed that knowledge of their detailed chemistry and ways in which this can be modified to yield novel applications.

The final session started with some presentations on applications of synthetic chemistry in various areas including porphyrins, bicyclic carbohydrate lactones and consideration of how environmentally friendly approaches could be applied to flavenoid glycosylation.

Finally Professor Amelia Pilar Rauter showed how sugar chemistry can be applied to the development of new drugs by modifying existing compounds to give them new properties.

Dr Tony Merry Merry summed up the meeting saying that an extensive network had now been created for Glycoscience in Europe and that with support from the ESF this could be developed to promote understanding of the area and to bring all those working in or who have an interest in the field together. He anticipates that an active programme of events will evolve with a number of both specialists and general interest workshops being held



Meeting programme Lisbon

EUROPEAN SCIENCE FOUNDATION
Research Networking Programme:
EuroGlycoScience Forum

ESF EUROGLYCOFORUM Research Networking Programme Steering Committee/ Euroglycosciences Forum Executive Meeting

Date and Time: *Sunday 21st to Tuesday 23rd February 2010*

Place: *Faculty of Sciences University of Lisbon*

Sunday 21st February 19:00 Welcome reception, VIP Executive Zurich Hotel

Monday 22nd 09.00 Meet in hotel – transport to University

Monday 22nd 10.00 – 13:00 Joint meeting

Monday 22nd 13.00 – 14:00 Lunch - Building C6.

Monday 22nd 14.00 – 15:00 Forum Trustees Meeting (1)

Building C3 (room 3.1.05)

Monday 22nd 15:00 – 17:00 Forum Executive Meeting (2)

Monday 22nd 17:00 – 17:30 Presentation of action plan and discussion

Building C3 (room 3.1.05) –open to all

Monday 22nd 17:30 – 19:15 Scientific Presentations

Monday 22nd 19:30 – Transport to Hotel Zurich

Monday 22nd 20:30 – 23:00 Dinner VIP Executive Zurich Hotel –

Tuesday 23rd 9:00 – 13:00 Scientific Presentations

Tuesday 23rd 13:00 – Transport to Hotel Zurich

Agenda for Joint Meeting
Monday 22nd 10.00 – 13:00
building C3 (room 3.1.05) –open to all

1. Welcome
 Prof. Pinto Paixão, Director of Faculdade de Ciências da Universidade de Lisboa
 2. Outline of the ESF Research Networking Programme – Prof Sabine Flitsch
 3. Summary of activities to date – Dr Tony Merry
 - 3.1. Meetings Sponsored 10.00
 - 3.2. Brochure
 - 3.3. Web site 10.05 – 10.30
 - 3.4. Web site enhancements ;
 - a) Directory of glycoscience ,
 - b) On line teaching resources, 10.30 – 11.00
 - c) Web based meeting reports,
 - d) Selected literature review.
- Coffee Break
4. Forum Discussion Groups
 - 4.1. Proposal for polysaccharide group – Prof Bjorn Christensen 11.00 – 11.15
 5. Activities for 2010
 - 5.1. Meetings organised by Network
 - a) Glycoarray workshop 11.15 – 11.30
 - b) Glycomarkers for disease
 - 5.2. European Glycoarray Network – Prof Ten Feizi
 - 5.3. Symbolic Glycan Representation – Prof Pauline Rudd
 - 5.4. Derivatisation of Polysaccharides - Prof Jana Čopíková 11.30 – 12.30
 - 5.5. 2011 Year of Chemistry – Prof Amelia Pilar Rauter
 - 5.6. Interest Group satellite Meetings at EuroCarb Glyco21
 2011 Vienna - Prof Iain Wilson
 - 5.7. Other meetings proposed
 6. Funding – opportunities
 7. Lobbying for support for Glycosciences
 8. Publications and Publicity
 9. Forum Budget – Dr Terry Butters 12.30 – 12.40
 10. AOB 12.40 – 12.50
 11. Date and format of next meeting 12.50 – 12.55
 12.55 – 13.00

**Agenda for ESF Steering Committee Meeting
Monday 22nd 15:00 – 17:00
Building C3 (room 3.1.05) closed to steering committee**

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|--|-------|
| 1. Apologies for Absence | 16.50 |
| 2. Introduction of New Members (Irish Representative
Prof Pauline Rudd) | 16.55 |
| 3. Minutes of last meeting (attached) | |
| 4. Items arising from minutes | |
| 4.1. Links with external groups/organisations (item | |
| 4.2. Links with Industry | |
| 4.3. International Network outside Europe | |
| Coffee Break | |
| 5. Policy discussion on sponsorship for meetings. | |
| 6. Calls for externally funded meetings – timing and
budget Dr Tony Merry | |
| 7. Programme Budget – Paul Beckers, Dr Tony Merry | |
| 8. Any other business | |
| 9. Date and format of next meeting | |

15.10 – 15.15

15.15 – 16.00

16.00 – 16.15

16.15

16.45

Programme for Scientific Meeting**Monday February 22 Building C1 – 3rd Floor – FFCUL**

17:30 – 17.45 Opening

Chairman: Celso Reis

17:45 – 18.15 “Is there a GAGosome?” Lena Kjellen
Uppsala Universitet

18:15 – 18.45 “High Throughput Glycome Analysis” Pauline Rudd
University College Dublin

18:45 – 19.15 "Fucosylation/fucosyltransferases and neuronal tissue" Júlia Costa
Instituto de Tecnologia Química e Biológica, Oeiras

19:15 – 19.30 "Studies of glucan-recognition systems with ‘designer’ oligosaccharide
microarrays" Angelina Palma
Universidade Nova de Lisboa, Caparica

Tuesday February 23 Building C1 – 3rd Floor – FFCUL

Chairman: Júlia Costa

9:00 – 9.30 "Non-vertebrate glycosylation” Iain Wilson
Universitaet fuer Boden-kultur, Vienna

9:30 –10.00 "Role of glycosylation in gastric carcinogenesis" Celso Reis
Instituto de Patologia e Imunologia Molecular da Universidade do Porto

10:00 –10.30 “Glycation: the sweet side” Carlos Cordeiro
Faculdade de Ciências da Universidade de Lisboa

10:30 –11.00 “Polysaccharides chemistry: structures and applications” Manuel A. Coimbra
Universidade de Aveiro

11:00 Coffee Break

Chairman: Manuel A. Coimbra

11:30 – 12.00 "Synthesis of Porphyrin and Phthalocyanine glycoderivatives" José Cavaleiro
Universidade de Aveiro

12:00 – 12.15 “New synthetic approaches for bicyclic carbohydrate lactones” Nuno M.
Xavier (Ph.D student)

12:15 – 12.30 “New environmentally friendly methodologies for flavonoid C-Glycosylation
promoted by lanthanide triflates” Rui Lopes (Ph.D student)

- 12:30 – 12.55 “Exploratory sugar chemistry targeting new drugs” Amélia P. Rauter
Faculdade de Ciências da Universidade de Lisboa
- 12:55– 13.05 Meeting Close **Social programme**
- February 21, 19:00 Welcome Reception at Hotel Zurique (Bar of the Hotel located near
the Hotel lobby)
- February 22, 20:30 – 23.00 Portuguese dinner at Hotel Zurique (room Apollo).

Participants

Prof Marcus Aebi	ESF Steering Committee
Prof Tiina Alamäe	ESF Steering Committee
Paul Beckers	ESF representative
Dr Terry Butters	Glycoforum Executive
Prof Bjorn Christensen	ESF Steering Committee
Prof Jana Copíková	ESF Steering Committee
Prof Paul Crocker	Glycoforum Executive
Prof Anne Dell	Forum Trustee
Prof Ten Feizi	Forum Trustee Glycoforum Executive
Prof Sabine Flitsch	ESF Steering Committee, Glycoforum Executive
Prof John Gallagher	Forum Trustee
Prof Rudolf Geyer	ESF Steering Committee
Dr Stuart Haslam	Forum Executive
Prof Anne Imberty	Forum Executive
Prof Hans Kamerling	ESF Steering Committee Forum Executive
Prof Lena Kjelen	ESF Steering Committee
Prof Gordan Lauc	ESF Steering Committee
Dr Tony Merry	Coordinator Executive Secretary
Prof Phillippe Dellanoy	Forum Executive
Prof Ján Mucha	ESF Steering Committee
Prof Ghislain Opdenakker	ESF Steering Committee
Prof Grazyna Palamarczyk,	ESF Steering Committee
Prof Soledad Penades	ESF Steering Committee, Glycoforum Executive
Prof Serge Perez	ESF Steering Committee
Prof Amélia Pilar Rauter	Meeting Organiser ESF Steering Committee
Prof Pauline Rudd	ESF Steering Committee
Prof Hans Vliegthart	Forum Trustee
Prof Iain Wilson	ESF Steering Committee Forum Executive
Prof Bryan Winchester	Forum Trustee

Additional workshop participants

- Prof. José Cavaleiro Speaker
Prof. Manuel A. Coimbra Speaker

Prof. Carlos Cordeiro	Speaker
Dr. Júlia Costa	Speaker
Prof. Eduarda de Araújo	Participant, local organiser
Prof. Isabel Ismael	Participant
Rui Lopes	Speaker
Dr. Alice Martins	Participant, local organiser
Dr. Angelina Palma	Speaker
Dr. Celso Reis	Speaker
Dr. Joao Rodrigues	Participant
Dr. Luisa B. Roseiro	Participant, local organiser
Dr. Paula Videira	Participant
Nuno M. Xavier	Speaker

Students

Isabel Branco	Ph.D student, local organiser
Ana Brazão	Local organiser
Manuel Bustorff	Local organiser
Catarina Dias	Local organiser
Ana R. Jesus	M.Sc. student, local organiser
Tiago Jorge	Local organiser
Vanessa Miranda	Local organiser
Yago Montoto	Erasmus, local organiser
Joao P. Pais	M.Sc. student, local organiser
Patrícia Serra	Local organiser