

IUPAC DIVISION-III

MINUTES OF THE DIVISIONAL MEETING, ORGANIC & BIOMOLECULAR CHEMISTRY, SAN JUAN, JULY 29 & 30, 2011

Laguna I Room, Sheraton Hotel, San Juan, Puerto Rico

1. **THE MEETING** convened at 0900 h. on July 29.

**PRESENT: DIVISIONAL MEMBERS AND/OR SUB COMMITTEE
REPRESENTATIVES AND NATIONAL REPRESENTATIVES:**

Professors G.J. Koomen (President Division III), P.R. Tundo (Past President), K. Ganesh (President-Elect), M.J. Garson (Secretary), D. St. C. Black (Secretary-General, IUPAC), M.A. Brimble (TM), M.C. Cesa (AM) F. Nicotra (Chair, Biotechnology S/C), A.M. Rauter (Secretary, Biomolecular S/C), A. Al-Aboudi (Jordan), M. Mozihuzzaman (Bangladesh), Z. Zakaria (Malaysia). **OTHER ATTENDEES (INCLUDING YOUNG ATTENDEES):** E. Friel (RSC, UK), V. Gubala (Ireland), M. Li (China), J. Youngblood (USA), C. Faler (USA), J.M. Reddy (India), A. Vavasori (Italy), V. Gomes Zuin (Brazil).

APOLOGIES FROM DIVISIONAL OR SUB COMMITTEE

MEMBERS AND NATIONAL REPRESENTATIVES were received from Professors A. Al-Awadi (Kuwait), B. Han (China), M.A. Hashem (Bangladesh), M. Isobe (Japan/Taiwan), C.C. Liao (Taiwan), F. MacDonald (USA), N. Nifantiev (Russia), and E. Uggerud (Norway).

The Division President welcomed all those present, in particular the various Young Observers.

2. **ADDITIONAL AGENDA ITEMS**

None were received.

3. **CONFIRMATION OF MINUTES FROM GLASGOW 2009 MEETING**

These minutes were agreed in Bergen, 2010, and had been placed on the website.

4. **CONSIDERATION AND CONFIRMATION OF THE MINUTES
FROM BERGEN 2010 DIVISION MEETING**

These minutes were reviewed, and following minor spelling or grammar changes, were approved. It was agreed to place these minutes on the Division webpage

5. **BUSINESS ARISING OUT OF THE MINUTES (NOT COVERED ELSEWHERE)**

Prof Cesa reported that the American Chemical Society (ACS) and IUPAC had recently arranged talks between individual Division Presidents. Thus the President of Division IV (Polymer) of IUPAC had recently met his ACS counterpart.

6. **PRESIDENT'S REPORT** from Professor Koomen.

Professor Koomen tabled his report (refer agenda papers pp 20-25, and reproduced in Appendix One of these Minutes) that he had prepared for the 90th Bureau meeting held in Warsaw, Poland, dealing with major items of business including projects. Professor Koomen did not attend the Bureau meeting, and Professor Ganesh was restricted in his travel by injury and so also unable to represent the Division. A major discussion point at the Bureau meeting was the International Year of Chemistry.

Professor Koomen referred to recent minutes to explain Division business, and explained that the Division budget was broken down 70:30 between Projects and Operations.

7. **REPORTS OF SUB-COMMITTEES**

(a) **Organic Synthesis.** Report –see Agenda papers p.26. In his report, Professor McDonald summarised the ICOS series of meetings (ICOS18 Bergen, Norway, 2010; ICOS19 Melbourne July 1-6 2012; ICOS20-Budapest (agreed) 2014). Bids to host ICOS-21 in Vancouver, Canada or in Glasgow, UK had been received. The OMCOS series of meetings (2007 Japan, 2009 Geneva, OMCOS16 2011 Shanghai) were also of interest to this Sub Committee. A new chair is needed for this S/C, and Professor Brimble was proposed as Acting Chair in the interim, with the S/C reconvening in Melbourne in 2012 at ICOS19. The contributions of Professor MacDonald were acknowledged.

(b) **Biomolecular Chemistry.** Report – see Agenda papers p.26-27. Professor Ganesh spoke to the report of the S/C Secretary Professor Rauter. He suggested that Professor Blackburn might resume his role as Chair of this S/C as he had been elected as a TM of the Division for the 2012-2013 biennium.

(c) **Photochemistry.** Report – see Agenda papers p.27.

(d) **Green Chemistry.** Report - see Agenda papers p.27-28.

(e) **Structural and Mechanistic Chemistry.** Report - see Agenda papers p.28-29; no member of this S/C present at the San Juan General Assembly.

(f) **Biotechnology.** Report – see Agenda papers p.29-30. Professor Nicotraspoke to the report, and reviewed the arrangements and outcomes associated with the successful IBS2010 meeting held in

Rimini, Italy (Sept 14-18, 2010). Brazil (venue: Fortelesa) was proposed as the host of the IBS meeting in 2014, and Prof. Osvaldo Carioca would be present on July 30 to provide some details to the S/C. Prof Nicotra mentioned the need to renew S/C membership, and to maintain contact with past and future conference chairs.

The work and commitment of the six Sub Committees and their membership was acknowledged.

8. REVISION OF THE MEMBERSHIP OF SUB COMMITTEES

Details of this item relating to individual S/Cs had been covered under item 7. During discussion of item 9 below, it was pointed out that S/C chair positions should be held by TMs where possible.

9. DIVISIONAL ELECTIONS AND OUTCOME OF RECENT BALLOT

The result of the recent ballot for TM and officer positions for the 2012-2013 biennium was tabled (See Appendix Two of these Minutes). Professor Garson (Australia) was elected as Vice President and Professor Griesbeck (Germany) as Division Secretary, and retained their TM positions. Professor Brimble (New Zealand) continued as a TM, while Professors Brandi (Italy), Carell (Germany), Han (China) and Nicotra (Italy) were appointed as new TMs for 2012-2013. Dr Cesa (USA), Professor Dimitrov (Bulgaria), Jacobs (Jamaica), Kang (Korea), Orfanopoulos (Greece) and Sladić (Serbia) were appointed as AMs.

Professor Koomen advised the meeting that Professor Juaresti (Mexico) had been proposed as either an AM/NR, however since Mexico had not yet paid its membership dues, he could only be considered as a PM for 2012-2013.

Discussion followed about the election process. Professor Black spoke to this topic and reminded the meeting that the election process should provide the best, most committed representatives who would work on behalf of the Division. Other Divisions put in place a structured ballot paper that avoided more than one candidate from a particular geographical region, or with a particular field of expertise, being elected, thereby ensuring a broad spread of interests and representation. The Division was reminded that names of potential NRs are put forward by their country of origin, but that they needed to be selected by the Division from countries different to those that provided TM or AM representatives.

The Division resolved to run the next TM election taking into account the geographic representation as well as field of interest of potential candidates. Professor Youngblood also pointed out the need to consider academic v. industry representation. Professor Brimble suggested that one possibility might be to retain one TM slot for an industry representative.

Professor Tundo reminded the meeting of the importance of ensuring representation from developing countries.

The meeting discussed if the number of votes cast for each potential TM should be tabled, but there was general agreement that these were confidential.

The IUPAC Council was due to approve the list of Proposed Division Officers at its meeting in San Juan on August 3-4, while the IUPAC Executive would approve the Division list at its October meeting.

The Division acknowledged Professor Ganesh and other members of the Nomination Committee (Professors Cossey, Griesbeck, and Ivanov) for their contribution to the election process.

[Secretarial Note: Subsequent to the Division Meeting, Professor Cesa was elected Vice-President and President-Elect of IUPAC for 2012-2013. Professor Cesa indicated that he would like to retain his position as an AM within Division III for the biennium. The Division congratulates Professor Cesa on his appointment].

10. DISCUSSION OF EXISTING PROJECT PROPOSALS AND DISSEMINATION OF RESULTS

Projects approved during 2008-2009 biennium

Reports on the following projects funded during 2008-2009 were included in the agenda papers (pp. 38-41) for the Division meeting.

- a. 2008-016-1-300; **Making the online journal of green chemistry: Green Rapid Internet Communications** (Tundo; \$3.5k; start date 08-11-08); Professor Tundo advised that 25 manuscripts had been received and that contributions could be received up to late September 2011.
- b. 2008-026-1-300; **Strategic planning for a new East and SouthEast Asian Network for Organic Chemistry** (Isobe; \$5k; start date 03-11-08);
- c. 2009-002-1-300; **Update of IUPAC Glossary of Physical Organic Chemistry** (Perrin, USA; \$4.8k; start date 04-06-09);
- d. 2008-018-2-300; **Translation in Greek and dissemination of a monograph for secondary schools on Global Climate Change** (Siskos, \$3.0k; start date 03-11-09); project now completed.

Reports on the following funded projects were not available at the time of the Division meeting and information on them is available from the IUPAC website:

- e. 2008-006-3-100; **Thermodynamic Study on Hydrogen Storage Materials: Metal Organic Frameworks and Metal or Complex**

- Hydrides** (Sun, China; \$1k; start date 13-03-09); see <http://www.iupac.org/web/ins/2008-006-3-100> for an update.
- f. 2008-017-4-300; **Green Chemistry – creation and implementation of international cooperation in teaching and investigations** (Lunin; \$3.5k; start date 20-07-09); see <http://www.iupac.org/web/ins/2008-017-4-300>.
- g. 2009-007-2-300; **Evaluation of measurement methods and QA/QC for PCDD/F, PCB and PAHs in environmental matrices (air quality, soil, sediments and wastes) used in estimation of global pollution** (Raccanelli, \$7.5k, start date 16-10-09); see <http://www.iupac.org/web/ins/2009-007-2-300>.
- h. 2009-014-2-300; **Green Chemistry: Sustainable Education and Environmental Development (SEED) in Latin America** (Vasquez, \$5.0k; start date 14-10-09); see <http://www.iupac.org/web/ins/2009-014-2-300>. [*Secretarial Note: a useful update on this project was published in the Sept-Oct 2011 issue of Chem. Int.*]

Projects approved during 2010-2011 biennium prior to Division meeting

- a. 2008-037-2-300; **Standard photochemical processes** (Griesbeck, \$5k; start date 01-08-10; joint with Division I); see <http://www.iupac.org/web/ins/2008-037-2-300>.
- b. 2009-021-3-300; **Towards a guideline and a framework of genochemistry** (Zhang, \$5k approved; start date 01/05/10); see <http://www.iupac.org/web/ins/2009-021-3-300>. An update was included in the agenda papers of the Division meeting.

Projects approved at 2011 Division meeting

- a. 2011-021-3-300; **Strategic Planning for a new network for Heterocyclic Chemistry among Countries of the Mediterranean Sea Area, Including Europe and Northern Africa** (Florio, \$15k requested, \$10k approved by Division meeting (see below); [*Secretarial note: Note that project acceptance letter from IUPAC secretariat records amount allocated as \$5k, and a start date as 01/09/11*]); see <http://www.iupac.org/web/ins/2011-006-2-300>.]

There was insufficient time to discuss each project in detail (a matter which needs to be addressed in future Divisional meetings).

11. DISCUSSION OF NEW PROJECT PROPOSALS

Professor Brimble advised that there was a strong demand from the synthetic chemistry community for systematization of nomenclature for protecting groups, and undertook to develop this project proposal. An earlier grouping (including Professors Black, Sydnes, and Koomen) within the Division had worked on a protecting group project, but the output had previously been rejected by ICTNS. It was agreed that she and Professor Rauter would meet with Professor Herald of ICTNS

during the San Juan meeting, and to deal with any issues that might prevent this project proposal moving forward.

Another project proposal considered was guidelines/recommendations for presentation of NMR data, since journals varied in their "house" style for data tabulation.

Professor Ganesh viewed the development of a framework for teaching in chemical biology as an important topic that might be suitable for a project proposal. Inputs from biologists would be needed, and also from chemistry educators. He undertook to take this proposal to the meeting of CCE to be held on July 31.

12. BUDGET ALLOCATIONS

The Division budget allocation for 2010-2011 was \$54.4k, divided \$38.1k to Projects and \$16.3k for Operations (including Sub Committee work) as in the previous biennium.

Operational expenses to date had included reimbursement of expenses for the Bergen meeting to Professors Brandi, Garson, Koomen, and Tundo, as well as expenses of Professors Blackburn/Rauter for the Glasgow GA that had not been paid from the 2008-2009 budget allocation. A \$500 allocation was made to Professor Mozihuzzaman to enable him to attend the Biomolecular Sub Committee and Division meeting in San Juan.

As of July 2011, only \$10k of the \$38.1k project funds available for 2012-2013 had been allocated.

The Division agreed to fund \$10k to the project proposal #2011-021-3-300; **Strategic Planning for a new network for Heterocyclic Chemistry among Countries of the Mediterranean Sea Area, Including Europe and Northern Africa** led by Professor Florio.

This left \$18.8k still to allocate. Professor Tundo advised of the possibility that the Division might receive less funds in future if it had fewer projects than other Divisions, or if it did not spend its project allocation, and suggested that one possibility might be to provide additional funds to existing projects. A request had been received from Professor Isobe for additional funds for project 2008-026-1-300 **Strategic planning for a new East and SouthEast Asian Network for Organic Chemistry** run by Professor Isobe. When submitted in the 2008-2009 biennium, this project had requested \$15k, but had been funded \$5k only.

No decisions were reached on use of the remaining project funds.

13. DIVISION BROCHURE AND NEWSLETTER

Professor Koomen had recently circulated a second Division newsletter, however there had been circulation issue owing to the file size. It was agreed that he would recirculate the newsletter.

14. IUPAC PRIZES

Professor Koomen reported that Thieme wished to continue their support of the Thieme-IUPAC prize for Organic Synthesis. Professor Phil Baran (USA) had received the 2010 Prize at the ICOS-18 meeting in Bergen, Norway. The winner of the 2012 prize would be presented with their award at ICOS-19 in Melbourne.

Funds for the CHEMRAWN VII Prize for Atmospheric and Green Chemistry prize are drawn from the profits of an earlier CHEMRAWN conference. The inaugural CHEMRAWN VII Prize for Atmospheric and Green Chemistry had been awarded to DrNoureddineYassaa of Algeria in 2010. Information about the 2012 prize (closing date 15 March 2012) was in preparation and would be circulated in *Chemistry International*, and by email. The Division was reminded that this prize is not yet well known within the chemistry community, and needed good publicity to ensure a strong pool of applicants from developing countries. The Division noted that the forthcoming 19th CHEMRAWN Conference on Renewable and Sustainable Sources of Energy from Biological Sources to be held in Malaysia (September 27-29, 2011) provided such an opportunity. The Selection Committee for this award includes the Division President.

[Secretarial Note: Information about the 2012 CHEMRAWN VII Prize for Atmospheric and Green Chemistry (closing date for applications 15 March 2012) was prepared and circulated by email by the IUPAC secretariat in September 2012; details are also available at the websitehttp://iupac.org/web/nt/2011-09-23_CHEMRAWN_VII_Prize.*]*

15. INTERNATIONAL YEAR OF CHEMISTRY (IYC)

The IYC website (www.chemistry2011.org) is available for the information of members and activities can be written up onto this site.

16. CONSIDERATION OF FUTURE SYMPOSIA AND CONGRESSES

The following are scheduled:

- a. 19th International Conference on Organic Synthesis (ICOS-19, Melbourne, July 1-6 2012); website <http://www.icos19.com/>; plenary lecturers include Nobel laureate Ei-ichi Negishi.
- b. International Symposia on the Chemistry of Natural Products/International Conference on Biodiversity; ISCNP27/ICOB7 was held in Brisbane: July 10-15, 2011; China has

expressed interest to host ISCNP28/ICOB8 in Beijing in September 2013.

c 9th International Symposium on Biological Organic Chemistry (ISBOC9, Beijing August 25-29 2012); co-chairs Zhang LiHe, Mike Blackburn and Krishna Ganesh.

d 15th International Biotechnology Symposium (Daegu, Korea, September 16-21, 2012); website is <http://www.ibs2012.org/>; plenary speakers include Nobel laureate Aaron Ciechanover.

e 4th International Conference on Green Chemistry (ICGC-4 Foz do Iguaçu, Brazil, August 25-29, 2012); website <http://congresscentral.com.br/sbq/ufscar/icgc4/index.php>; plenary lecturers include Paul Anastas and Nobel laureate Barry Sharpless; VaniaZuin is conference secretary.

f 21st International Conference on Physical Organic Chemistry (ICPOC21; Durham, UK, September 9-13 2012); see <http://www.rsc.org/ConferencesAndEvents/RSCConferences/icpoc21/index.asp> for information; plenary speakers include Nobel laureate Robert Grubbs.

g XXIV IUPAC Symposium on Photochemistry (Coimbra, Portugal, July 15-20, 2012) <http://www.photoiupac2012.com>

h The next GA/Congress will be in Istanbul (Turkey) in 2013, with a proposal from Korea to 2015 now approved.

i In April 2012, a

17. ANY OTHER BUSINESS

The President thanked all concerned for their attendance at the Divisional meeting and for their good work on behalf of Division-III.

18. DATE AND TIME OF NEXT DIVISIONAL MEETING

The next Divisional meeting should be held in mid 2012 at a suitable location linked to an IUPAC meeting of Division III. Candidate venues include Melbourne (Australia), Beijing (China), Daegu (Korea), Coimbra (Portugal) or Durham (UK).

There being no further business, the meeting closed at 1730h on July 29.

Prof M.J. Garson
Secretary Division-III
October 2011.

