

MINUTES
IUPAC Division III (ORGANIC & BIOMOLECULAR CHEMISTRY)
General Assembly, Istanbul, Turkey, August 10, 2013, 10 a.m. – 1:30 p.m.

List of Participants.

Name	Function IUPAC	from	E-Mail
Krishna Ganesh	TM & DP. III	ILSER, Pune, India	ganesh1953@gmail.com
Mary Garson	TM & DVP. III, President- Elect 14/15	Univ. Queensland, Australia	m.garson@uq.edu.au
Margaret Brimble	TM, Chair SC SynC, DVP-elect	Univ. Auckland, NewZealand	m.brimble@auckland.org
Francesco Nicotra	TM, Chair SC Biotec	Univ. Milano, Italy	Francesco.nicota@unimib.it
Pietro Tundo	TM, Chair SC GreenCh	Univ. Venice, Italy	tundo@unive.it
Buxing Han	TM	Chinese Academy of Science, China	hanbx@iccas.ac.cn
Alberto Brandi	TM	Univ. Florence, Italy	Alberto.brandi@unifi.it
Michael Blackburn	TM	Univ. Sheffield, United Kingdom	g.m.blackburn@sheffield.ac.uk
Amal Al-Aboudi	NR	Univ. of Jordan Jordania	Amal001@hotmail.com
Oleg Demchuk		Univ. Lublin Poland	Oleh.demchuk@umcs.lublin.pl
Mark Cesa	AM, president – elect of IUPAC	INEOS Nitriles, Naperville IL, U.S.A.	m.cesa@iupac.org
Mohammed Mosihuzzaman	SC Biomol	Hamdard Univ., Bangladesh	mmosihuzzaman@yahoo.com
Ronald Castellano	YO	Gainesville, Fl U.S.A.	castellano@chem.ufl.edu
Malika Jeffries	YO	Ames, IA U. S. A.	malikaj@iostate.edu
Guillaume Vives	YO	Univ de Paris, France	Guillaume.vives@upmc.fr
Simon Lewis	YO	Univ. Bath, United Kingdom	S.E.Lewis@bath.ac.uk
Tetemke Mehari	CSE President	Ethiopia	tetemkemehari@gmail.com
Axel Griesbeck	TM & Secretary Div. III	Univ. Cologne, Germany	griesbeck@uni-koeln.de

DV Division President; D-VP Division Vice President; TM Titular Member; AM Associate Member;
 NR National Representative; YO Observer; SC Sub Committee

- **1 / Welcome, members, and apologies**
- Not present: Thomas Carell (TM, apologized), Michael Orfanopoulos, Amelia Rauter (AM, SC Biomol)

- **2 / Call for additional items**
- None

- **3 / Confirmation of the Puerto-Rico minutes 2011**
- Approved

- **4 / Business arising from the last meeting**
- None

- **5 / Report by the DP on the Bureau Meeting in Germany**

DP Prof. Ganesh reports on the IUPAC bureau meeting in Frankfurt spring 2013. The major activities of the SC were discussed there and the possible and existing cooperation with other divisions. Six international conferences were organized in context with the six subgroups of division III in 2012.

ICOS 19 – International Conference on Organic Synthesis	Melbourne, Australia	July 1 – July 6, 2012
XXIVth IUPAC Conference on Photochemistry	Coimbra, Portugal	July 15 – July 20, 2012
4 th International Conference on Green Chemistry	Foz do Iguaçu, Brazil	Aug 25 – Aug 29, 2012
9 th International Symposium on Biomolecular Chemistry	Beijing, China	Aug 25 – Aug 29, 2012
21 st IUPAC International Conference on Physical Organic Chemistry ICPOC 21	Durham, UK	Sep 9 – Sep 13, 2012
15th International Biotechnology Symposium & Exhibition IBS 2012	Daegu, South-Korea	Sep 16 – Sep 21, 2012

The active participation of all members of DIII and the SC of DIII is greatly acknowledged by the IUPAC bureau and the interaction with other divisions and standing committees is appreciated. Special interaction exists with CHEMRAWN and CCE in the fields of sustainable green chemistry, catalysis and educational aspects. Division III is a leading division in the interaction with biology, Division I starts to adopt this. Very good interface exists with physical and physical organic chemistry in other division.

Other topics of the bureau meeting:

Elements 114 and 116 are named now *flerovium* and *livermorium*, respectively;
 Financial situation of PAC and CI is critical, shift to De Gruyter (Berlin-Bosten) as publishing house was necessary;

Projects should be constantly revised and evaluated for termination;
Webpages are now all on the IUPAC server; server is now in the USA
Further discussion concerned

(i) the website quality and contents

(ii) the problems with the Division election process (elections were held during 2012 for the 2014/2015 biennium, 1st meeting of the new Division membership not till 2015); also noted that in addition to DPP (Koomen) standing down at the end of his term, 5 other TMs have to retire from their posts at the end of the 2014-2015 biennium unless they stand for an officer position (Blackburn, Brandi, Carell, Han, and Nicotra). These five TMs may choose to nominate for further election after a two year interval (see IUPAC bye-laws for details).

➤ **6 / Reports from the six Sub-Committees**

6.1. *Sub-Committee on Organic Chemistry (SC-OS)*

The subcommittee met August 9 (SC Chair Prof. Brimble) and the meeting minutes are included as attachment. Prof. Brimble summarized the success of ICOS19 (2012) and announced ICOS20 in Hungary in 2014, and described the successful completion of the “nomenclature of protecting groups” project.

6.2. *Sub-Committee on Biomolecular Chemistry (SC-BC)*

The subcommittee met August 9 2013 (SC Chair Prof. Blackburn) and the SC meeting minutes are included as attachment. Prof. Blackburn mentioned the good success of the ISBOC9 meeting held in 2013 in Beijing, China, and announced meetings on natural products and biodiversity (ISCNP28/ICOB8) in Shanghai (October 2014) and the 10th International Symposium on Biomolecular Chemistry (ISBOC10) in 2015 in India.

6.3. *Sub-Committee on Photochemistry (SC-Ph)*

The subcommittee met in July 2013 at the 26th International Conference on Photochemistry (ICP2013) in Leuven, Belgium (SC Chair Prof. Braslavsky).

6.4. *Sub-Committee on Green Chemistry (SC-GC)*

The subcommittee met August 9 2013 (SC Chair Prof. Tundo). The new applications for the CHEMRAWN prize were described, 15 applications submitted. A special edition of Pure & Appl. Chem. on Green Chemistry appeared in 2012, a new book project is planned for Springer. Three new projects were briefly described by Prof. Tundo.

6.5. *Sub-Committee on Structural and Mechanistic Chemistry*

Prof. Garson reports that arrangements are proceeding for ICPOC23 in Sydney Australia (Chair Prof Jason Harper). The next ICPOC meeting (ICPOC22) is in Ottawa, Canada in August 2014.

6.6. *Sub-Committee on Biotechnology*

The subcommittee met August 9 2013 (SC Chair Prof. Nicotra). The International Biotechnology Symposia are a very successful meeting series. For example, IBS15 in Daegu, Korea with more than 2200 participants) The plans for future meetings include Fortaleza (2014) and a bid for the 17IBS meeting to be held in Melbourne, Australia in October 2016 was confirmed.

6.7. *Cooperations with other Divisions and Committees*

Prof. Chiu, Chair of the CCE (Committee on Chemistry Education) visited the division III meeting and reported on mutual projects, on the teaching new technical terms, benchmarks learning outcomes on tertiary education levels, international standards for chemical education, cooperation with OPCW. New projects are planned on interactive periodic table, with SC Biotechnology on interactive teaching of chemistry and biotechnology. Very successful CCE conferences are reported (the 22nd ICCE was held jointly with a European meeting in Rome, 2012).

➤ **7 / Review of the membership of the six sub-committees**

See individual SC minutes

➤ **8 / Membership Division III – Divisional elections and outcome of the recent ballot**

Prof. Garson summarized the election process and results of the elections for new TM, AM, NR for the 2014-2015 biennium. Two candidates were nominated for Division Vice President, and the ballot resulted in Prof Brimble being appointed. A number of existing TMs were eligible for a second term, and all were approved in the election process. This left one slot only for a new TM; three colleagues were selected for the ballot, from whom Prof Nifantiev (Russia) was appointed.

The two remaining TM candidates were next appointed AMs. Three other AMs were appointed based on their previous work within the Division, either as a sub committee member or as a conference Chair. The final AM slot was accorded to China for geographical coverage. Next, nine colleagues originally nominated by their NAOs were accorded NR positions, while the final NR position was allocated to Dr Demchuk from Poland.

The Division approved the membership list for the 2014-2015 biennium.

After 2014-2015 biennium, up to 6 TM including the former DV (Prof Ganesh) will leave the Division membership. Names of potential candidates should be forwarded to the incoming D-VP (Prof Brimble) or secretary.

➤ **9 / Discussion of existing projects**

Project #	Task Group Chair (TGC) and Project Details
2003-043-1-300C (COMPLETED)	Tundo/Ahmed (Italy) <i>Green chemistry in the Arab region</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pil[project_nr]=2003-043-1-300
2007-025-1-300	Mammino (Italy/South Africa) <i>Biomass burning in Sub-Saharan Africa</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pil[project_nr]=2007-025-1-300
2008-016-1-300C (COMPLETED)	Tundo (Italy) Original title <i>Making the online journal of green chemistry: Green Rapid Internet Communications</i> ; Revised title <i>Chlorine-free syntheses for green chemistry – A PAC special topic issue</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pil[project_nr]=2008-016-1-300

2008-037-2-300	Griesbeck (Germany) <i>Standard photochemical processes</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2008-037-2-300 (NB: listed under Division I not Division III)
2009-002-1-300	Perrin (USA) <i>Update of IUPAC Glossary of Physical Organic Chemistry</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2009-002-1-300
2009-007-2-300	Raccanelli (Italy) <i>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</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2009-007-2-300
2009-014-2-300	Vazquez (Argentina) <i>Green Chemistry: Sustainable Education and Environmental Development (SEED) in Latin America</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2009-014-2-300
2009-021-3-300	Zhang (China) <i>A forum on basic definition of genochemistry and a framework thereof</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2009-021-3-300
2011-006-2-300	Florio (Italy) <i>Strategic Planning for a new Network for Heterocyclic Chemistry among Countries of the Mediterranean Sea Area, including Europe and North Africa</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2011-006-2-300
2011-041-1-300	Isobe (Japan/Taiwan) <i>Strategic planning for a new East and SouthEast Asian Network for Organic Chemistry</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2011-041-1-300
2011-044-1-300	Brimble (NZ) <i>Rules for abbreviation of protecting groups</i> See http://www.iupac.org/nc/home/projects/project-db/project-details.html?tx_wfqbe_pi1[project_nr]=2011-044-1-300

The above list of current proposals was discussed and the ongoing projects are discussed with respect to the actual progress reports. There are several projects where no progress reports were submitted in the last two years. This is a problem and should be improved in the future by the nominating TM or Task Group Chair (TGC). Prof. Garson suggests that the submission of project reports must be strengthened in the future but not coupled to financial supporting. There is especially one project where no reports at all have been submitted in the last years, nor have any funds been expended on it, and clarification of the project status is desirable.

➤ 10 / Discussion of new projects

Four project proposals were discussed and approved for funding by the Division III members, providing sufficient project funds were still available: by Prof. Brouwer on fluorescence standards (2013-040-1; \$4.5 k), Prof. Zuin, Brazil on green chemistry in higher education, 2013-041-2; \$5k), Prof. Vaz (Glossary renewable chemistry, 2013-

036-1; \$10 k), Prof. Blackburn (Nomenclature Phosphorous compounds,2013-039-1; \$10 k).

➤ **11 / Financial planning and budget allocations to projects**

This information was provided to the Division meeting by Profs. Garson and Ganesh.

➤ **12 / Division Brochure and Newsletter**

The recent newsletter produced by Prof. Garson is available from the Division website. Contributions by the SC chairs and project Task Group Chairs (TGC) are requested for a forthcoming newsletter on projects

➤ **13 / IUPAC Prizes**

The IUPAC Thieme prize for synthetic organic chemistry will be awarded at the next ICOS (ICOS 20) in Budapest 2014. The 2012 prize went to Prof. Melanie Sanford (U. Michigan, USA). The next IUPAC CHEMRAWN VII prize for atmospheric and green chemistry will be awarded at the 5th International Conference on Green Chemistry (5ICGC) in Durban, 2014. The 2012 prize went to Prof. Rashmi Sanghi (IIT, Kanpur, India). Additional publicity for the prize so as to increase the number of applicants was considered desirable.

➤ **14 / Future Symposia and congresses 2014-2015**

ICOS 20 – International Conference on Organic Synthesis	Budapest, Hungary http://www.icos20.hu/	June 29 – July 4, 2014
XXVth IUPAC Conference on Photochemistry	Bordeaux, France http://www.photoiupac2014.fr	July 13 – July 18, 2014
5 th International Conference on Green Chemistry	Durban, South Africa http://www.saci.co.za/greenchem2014/	Aug 16 – Aug 20, 2014
28 th International Symposium on the Chemistry of Natural Products joint with the 8 th International Conference on Biodiversity (ISCNP28/ICOB8)	Shanghai, China (Chair: Prof Yang Ye)	October 20-25 2014
22 st IUPAC International Conference on Physical Organic Chemistry ICPOC 22	Ottawa, Canada http://events.science.uottawa.ca/icpoc22	Aug 10 – Aug 15, 2014
16th International Biotechnology Symposium & Exhibition IBS 2014	Fortaleza, Brazil http://ibs2014.org/	Sep 14 – Sep 19, 2014
10 th International Symposium on Biomolecular Chemistry	Pune, India	January 2015

➤ **15 / Any other business**

The Division thanked Prof. Koomen, Past President of the Division, whose term concludes at the end of 2013, for his work on behalf of the Division, and also Prof. Ganesh, current President of the Division and assuming the role of Past President for 2014-2015, by acclamation.

➤ **16 / Venue and timing of next Division meeting**

A smaller group (6-7 people, DP, V-DP, Secretary) will meet at the next ICOS 2014 in Budapest (<http://www.icos20.hu/>, July 29- August 4).

Regular next meeting of the Division III committee is scheduled for August 6 - August 8, 2015 at the 48th IUPAC-GA in Busan / South-Korea (<http://www.iupac2015.org/>).