

Minutes of the IUPAC Division VII Drug Discovery & Development Telecon October 19, 2018

Participants

Vincent Abbate, Adriano Andricopulo, Neel Balasubramanian (Balu, secretary), Helmut Buschmann, Rita Cornelis, Flavio Da Silva Emery, Janos Fischer, A. Ganesan, Jan Heeres, Michael Liebman, Tom Perun, John Proudfoot, Gerd Schnorrenberg (chair)

Agenda

- Report on Division VII Meeting Boston, August 25/26, 2018 (Rita Cornelis)
- Short Project Updates, ongoing Projects (A. Ganesan, Paul Erhardt, Janos Fischer, Balu)
- Update on new Projects in planning phase (Michael Liebman)
- Proposal on a newsletter of the SC (Michael Liebman)
- Future membership rules for Subcommittee (all)
- Next D3 SC Meeting and other items

Report on Division VII Meeting, Boston, August 25/26, 2018

Rita Cornelis reported on the Meeting (see attached presentation). Points which were discussed: Renewal of the project portfolio, how to efficiently track ongoing projects, how to stimulate definition of joint projects with other subcommittees, by-laws of Division VII Subcommittees.

IUPAC 100 Years

Subsequently, Rita Cornelis reported on the preparation of the IUPAC 100 Years Celebration connected to the International Years of Periodic Table of Chemical Elements (IYPT). The celebrations will be run over the whole year 2019 and many territories by various types of events as shown in Rita's presentation.

The main event of the IUPAC 100 celebration will be the 50th IUPAC General Assembly and the 47th World Chemistry Congress in Paris, July 5-12, 2019. This event will be also give an opportunity to have a Division VII Meeting and Subcommittee Meetings back-to-back. We will also take advantage to exchange with other Subcommittees on potential overlap of interests and joint projects.

Updates on ongoing projects

The updates provided by the project leaders are attached. A. Ganesan's project on glossaries and terms of combinatorial chemistry is in the final review phase and will be concluded end of 2018 or early 2019. A Ganesan was asked to inform Fabienne Meyers, Rita Cornelis and Gerd Schnorrenberg until end of November in case residual project funds need to be transferred to 2019. **Potential**

Action: A.Ganesan

Paul Erhard's project on Drug Metabolism Terms will need some final editing before finalizing in 2018. His project on a Human Drug Metabolism Database is currently delayed. A white paper is scheduled for June 2019 based on a survey. As the survey recipients overlap with the intended survey of Wayne Childers on important new topics in Medicinal Chemistry a joint survey is currently under consideration.

In the context of glossaries and terms the question was raised how to regularly update the documents in order to make them valuable and binding for the scientific community. As this topic is going beyond the D3 SC and even beyond Division VII, it was suggested to put it on the agenda for the IUPAC General Assembly in Paris. **Action: Rita Cornelis**

Janos Fischer reported on the status of the book series "Successful Drug Discovery", Volume 3 having received very positive reviews and Vol 4 being in the final review and editing phase. This project will also be presented as a highlight of IUPAC achievements in the IUPAC 100 celebrations. Janos also referred to the preparation of Vol 5, but he indicated in this context that he intends to pass over more responsibility to section editors in the future. This idea was endorsed by the participants.

Action: Janos Fischer to provide ideas how the D3 SC could support the initiation of this editing model. A recommendation will be made by Janos, Balu and Gerd for a smooth transition for future volumes.

Janos Fischer also gave an update on the IUPAC Richter Prize 2018 which was presented in 2018 to P.Grootenhuis for his discoveries on a new class of therapy-changing chloride channel blockers for the treatment of cystic fibrosis. The prize is awarded every two years has been developed to one of the most prestigious prizes in medicinal chemistry.

Balu reported on the preparation of the residential training course on Medicinal Chemistry in Drug Discovery and Development India 2019. The project will be finalized mid of 2019 and is well on track. Balu reported on the positive feedback of the 2018 training course and the changes which will be made in the 2019 course.

Update on new Project Proposals

Michael Liebman gave an update on the planning of his project proposal on a Systematic Analysis of Clinical Trial Failures. Following the Nashville D3 SC Meeting recommendations the information and data sources for the analysis have been defined, as a prototypic disease with a manageable number of studies and compounds in clinical development Multiple Sclerosis has been defined and an analysis path taking also real world data into consideration has been defined. As this analysis will encompass clinical, biological and chemical data it will be important to define the impact on medicinal chemistry to secure a strong link to the scope of D3 projects. John Proudfoot and Gerd Schnorrenberg will support the finalization of a project proposal until next telecon early 2019. Contributions from other D3 members are welcome. **Action: Michael Liebman with support from D3 Members to finalize project proposal taking Division VII cross-subcommittee sponsoring into consideration.**

Proposal on an IUPAC D3 SC Newsletter

Michael Liebman proposed to create a D3 Community Newsletter with the aim to increase scientific community awareness on D3 SC, to promote communication among D3 members and scientists outside D3 and to attract new members to D3 SC. The idea is to distribute online, also beyond D3 members, the newsletter should include D3 news and an “expert analysis” section. The idea was positively discussed in the telecon, it was mentioned that both the updating was seen as a possibility to attract interest to D3 as well as the online analysis of hot topics in D3 would potentially attract younger medicinal chemists to D3 and thereby help to find new members. **Action: Michael Liebman and Gerd Schnorrenberg (other D3 members invited) to provide a first draft for a D3 Newsletter to be circulated among D3 members. D3 members to send Michael topics for newsletter.**

D3 SC Membership Rules

Gerd Schnorrenberg presented rules for membership for discussion (see attachment). There was general endorsement for membership rules to make D3 SC work more active, attractive and efficient. Members not compliant with the rules should be contacted and informed about their intended elimination from the membership list prior to take action. Rita Cornelis mentioned that with the revision of the IUPAC statutes membership rules for Division VII Committee members have been elaborated with the same intention. Rules should be comparable. She also endorsed the SC chairpersons to act accordingly. **Action: Gerd Schnorrenberg and Balu to review the D3 members list and define who will be contacted to alert them.**

Next D3 SC Meeting/Telecon

As the next European face to face meeting will be in Paris, July 2019, the next opportunity for a US-based face to face meeting is the New Orleans ACS Meeting end of March, beginning of April. As this date was regarded to be too far from today’s telecon and too close to the Paris Meeting, it was decided to plan for an early 2019 Telecon. The next US-based face to face SC D3 meeting will be scheduled at the spring ACS meeting 2020. **Action: Balu and Gerd to survey dates for the next telecon.**



Agenda and slides
for D3 SC Telecon O