Minutes of the Committee meeting in Helsinki, Finland 2018

Venue: Crowne Plaza Helsinki, Mannerheimintie 50, Helsinki, Finland

Sunday 10th – Monday 11th June 2018

9:00 to 16:00

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| **Item** |  |
| 1. The meeting opened at 09:00

Welcome, in particular to new member Eline van der Hagen, and apologies for absence* + Participants:
		- Karin Toska (KT, chair)
		- Eline van der Hagen (EVDH)
		- Helle Møller Johannessen (HMJ)
		- Young Bae Lee Hansen (YBLH)
		- Ulla Magdal Petersen (UMP)
		- Gunnar Nordin (GN)
		- Alice Lund (AL)
		- Rebecca Ceder (RC, via Skype)
		- Daniel Karlsson (DK, via Skype)
	+ Apologies from:
		- Christine Portin
		- Ariadna Padró-Miquel
		- Dongchon Kang
		- Urban Forsum
		- Gilbert Hill
 | All |
| 1. The agenda was approved, noting that it could be runningly adjusted during the meeting.
 | All |
| 1. Approval of minutes from last meeting. The Copenhagen minutes assumed to be approved earlier. Skype meeting: Approved, any unfinished business to be finished today/tomorrow
 | All |
| 1. Members and corresponding members

IFCC Titular members:* Karin Toska, Chair (NO)
* Young Bae Lee Hansen, Member (DK)
* Antonin Jabor, Member (CZ)
* Florian Scherrer, Member (FR)
* Eline van der Hagen, Member (NL)
* René Dybkaer, Consultant (DK)

Members elected via IUPAC projects:2010-035-3-700 (Establishing definitions for non-referenced terms in the NPU terminology) * Helle Møller Johannessen (chair)
* Ivan Bruunshuus
* Robert Flatman
* Urban Forsum
* Ulla Magdal Petersen
* Gunnar Nordin
* Young Bae Lee Hansen

2013-009-5-700 (Properties and units in clinical molecular biology and genetics – supplement)* Ulla Magdal Petersen (chair)
* Johan den Dunnen
* Xavier Fuentes-Arderiu
* Ariadna Padró-Miquel
* Jens Michael Hertz
* Rebecca Ceder

2014-017-1-700 (Piloting SCT mapping)* Daniel Karlsson (chair)
* Robert Flatman
* Urban Forsum
* Ulla Magdal Petersen
* Helle Møller Johannessen
* Karin Toska

2016-044-2-700 (Online dynamic NPU manual)* Young Bae Lee Hansen (Chair)
* [Rebecca  Ceder](https://iupac.org/member/rebecca-ceder)
* [Robert  Flatman](https://iupac.org/member/robert-flatman)
* [Alice  Lund](https://iupac.org/member/alice-lund)
* Karin Toska

IFCC corresponding members:* Alessandro Marocchi
* Aracelis German
* Ariadna Padró-Miquel
* Carlos José Lacava Fernández
* Dalius Vitkus
* David Armbruster
* Georges Férard
* Gilbert Hill
* Murat Bolayirli
* Nada Majkic-Singh
* Naohito Ishii
* Valentina Nazmutdinova
* Aaron Ojule
 | UMP |
| 1. Budget for the meeting
	* YBLH, EVDH and KT are funded by IFCC. Funding for UMP and HMJ shared by IUPAC projects and employer, AL is funded by employer, GN is funded by Equalis.
 | KT |
| 1. Date and place of next meetings:
	* Budapest IFCC General Assembly November 9 -12 2018. A CNPU meeting is planned for November 9. KT will be present, and will send out information, members may participate physically or via video or Skype
	* 47th IUPAC World Chemistry Congress in Paris 2019 (5 July 2019 - 12 July 2019) IUPAC are celebrating their first 100 years, and C-NPU is invited to contribute with e.g. a presentation. C-NPU will try to promote the NPU system here. HMJ will plan and communicate info.
 | All |
| * + 2001-070-1-700 (Properties and units for urinary calculi). Project is stalled – is it still needed? (GN)The project has been closed in lack of available international experts. It is possible to restart a project if the necessary competence can be recruited. It was suggested to ask Gunhild Kravdal, Norway, for a possible interest to participate in such work.
 | All |
| 1. New projects and activities
	* CNPU Publication (YBLH): Recommendation on measurement units – why and how. Please send input within 2 weeks
	* Allergology status (GN): Per Mattson, vice chair of CLSI database, has been willing to participate, but right now there is no response. GN will reestablish connections to Per Mattson and Robert Hamilton (chair of the CLSI database. Autoimmunity has common borders with allergen properties, and cooperation should be considered. Other techniques than IgE measurement are involved, and it is necessary to get a group together and start the paperwork. The current allergen references are not sufficient, could we involve IUIS? RC is working on a proposal, to get participants involved, with EVDH to participate for Netherlands, and Eli Taraldsrud for Norway. Collaborationg with LOINC is another possibility (Italy has made LOINC mandatory, how does it work?).
	* Immunology – we have been trying to connect with people, list problems in internal paper and discuss whether to publish. CD markers as identifiers are problematic. No progress since last meeting. Swedish initiative: meeting with specialists in late June. Maybe involve Human Immunology Project Consortium (HIPC). Norway is right now without expert groups, so cannot collect input. They will be re-established august/September
	* Microbiology. RC: Swedish project on making microbiology results available on the national platform work on an information model based on NPU + SNOMED-CT. DK presents the Swedish information model for how to communicate microbiology laboratory info; it is not based on international standards. New codes for antibiotic susceptibility testing are needed. RC and DK will propose a model for new codes which will be presented at the next meeting on November 9th (video conference) .The general need for Laboratory information structures may benefit from this project.
	* Clinical physiology: There is a Swedish echocardiography project on storage of data, and a project on catalog data using SNOMED codes.
	* Promotion project for IUPAC jubilee, HMJ to chair, GN and AL to participate
	* 2001-070-1-700 (Properties and units for urinary calculi ). Project was closed in 2010, GN to get it removed from IUPAC project admin.
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| 1. Project report: Vocabulary for nominal properties and nominal examinations — basic and general concepts and associated terms (IUPAC project 2004-023-1-700).
	* The project is finalized, and the report is published. It is a problem that the earlier IFCC publication differs from the final (PAC). The term ‘examination’ will refer to only nominal property, subsumes ‘evaluation’ - the process of assigning a value to a property. Some definitions are deleted in the latest version.
 | GN |
| 1. Project report: The definition project for non-referenced terms (IUPAC project 2010-035-2-700)
	* HMJ described project status - o be finished in 2018. The IUPAC homepage needs to be updated, preferably before the IUPAC Paris meeting!
 | HMJ |
| 1. Project report: Piloting CNPU-SNOMED CT mapping (IUPAC project 2014-017-1-700).
	* Some additional funding is available and there may be renewed interest – will ask that the project be extended. HMJ and DK to contact Fabienne Myers as needed. This may turn into a ‘larger than IUPAC’ project, and more work ressources are needed. Suggestion for AL to join. Main issues are in different terminological ways of construing combined concepts, in missing concepts (in SNOMED CT) and in different understanding of measurements (cultural). Swedish model for standardized lab reporting suggests using NPU for lab results, and SCT for everything else, like specimens, procedures, instruments, etc.
 | DK |
| 1. Project report: XXIV. Properties and Units in Clinical Molecular Genetics (IUPAC project 2013-009-5-700)
	* The publication is now accepted by both CCA and PAC, and a CCA preview is ‘limited available’ at <https://doi.org/10.1016/j.cca.2018.05.028>
	* HGVS recently changed their recommendation for use of RefSeq references, preferring chromosomal references (NC\_ ) to genomic (NG\_) references. Whether NPU needs to follow this change depends on the future development of our main reference, the Locus Reference Genomic (LRG) database, which is based on genomic references. If a change is needed, it will need a project of its own
 | UMP |
| 1. Project report: On-line dynamic NPU manual (IUPAC project 2016-044-2-700)
	* Started in 2017, intended as a database for the NPU homepage. It describes and explains NPU k-o-p’s and general structure.
	* It should be possible to update it on the fly, communicating e.g. terminological decisions from C-NPU meetings. The company that manages the IFCC homepage is working on a website for the manual.
 | YBLH |
| 1. Report from IUPAC Division VII
	* Budget for new projects: only ressources for two projects next year
	* Suggestions for input to IUPACs 100 years jubilee 2019 in Paris
 | HMJ |
| 1. Report from the NPU Steering Committee
	* The C-SC-NPU may appoint two members to the Steering Committee, but has only one, DK. KT offers to join, and participates as observer at the meeting Tuesday.
 | HMJ |
| 1. News from Norway
	* 8432 codes, NPU/NOR in use altogether
	* Old badly defined NOR codes being replaced with NPU codes
	* Genetics only use a few NOR coded for reimbursement
	* Reimbursement decision has improved motivation
 | KT |
| 1. News from Denmark
	* Expert groups started, stating need for general info model, and order codes
 | UMP |
| 1. News from Sweden
	* Increasing number of queries about more complex need
	* QA on use of codes, poster on Labquality days
	* National project on complex reporting, including SCT codes,
	* WG on monoclonal proteins upcoming, aiming at a national recommendations
 | RC |
| 1. Terminology issues
	* Issues concerning next version of VIM. VIM4 will include nominal and ordinal properties, and probably need a revision of the concept kind’-of-property. GN introduced coming changes from VIM3 to VIM4, with definitions being revised and simplified. ‘property’ concepts were discussed; especially the position of ‘ordinal property/quantity’. Different concept models for ‘property’ and ‘property comparison’ were offered, with different levels of complexity.
	* Nomenclature for CD markers (proteins and carbohydrates etc.) as components – new initiative (RC+HMJ) Covered, we have a plan…
	* Use of ‘subtype terms’ in connection with the new k-o-p ‘category’. (YBLH), according to a concept system circulated in 2016. The system was tentatively accepted for use for categories of microorganisms. Background paper on reasons to be circulated (UMP), and terms will be accepted if no criticism received after 1 month.
	* Limits for granularity and complexity in definitions (YBLH)
		+ systems/supersystems/subsystems (e.g. anatomical sites)
		+ combinations of components (comp1+comp2+comp3+…)
		+ calculation of ‘coefficents’ (mass/amount of substance, mass/squared height, etc. )

There are no formal limits today; it was decided to continue with the present level of granularity and observe upcoming needs and problems.* + How to publish such C-NPU terminology decisions? (YBLH)The On-line dynamic NPU manual (IUPAC project 2016-044-2-700) can be the systematic forum for decisions made at meetings or in mail discussions.
	+ Biochemical reference databases – their priority was decided in 2017, see Athens minutes: NLM, CheBI, HMBD. Closed.
	+ Use of ‘free’, ‘conjugated’ and ‘unconjugated’ as component specification – definitions? (UMP). The definition of ‘free’ was decided: “The unbound form of a substance that may be present either free, or bound to other substances”. ‘Conjugated’ has a modern use, describing e.g. pharmacological substances inactivated by binding in the organism, suggested definition: “A compound formed by the union of two entities or compounds” (National Cancer Institute (NCI) C61533). But it also has a traditional use in connection with bilirubins, which does not quite conform to this. To be discussed whether the NPU ‘bilirubin concepts’ may survive or need to be redefined.
	+ Context independent definitions for resistance to antibiotics for microorganisms (RC).
 | All |
| 1. Miscellany:
	* When to produce National codes supplementing NPU codes – and when not to? It is a purely National decision, but some advice was offered:
		+ Use the NPU syntax and semantics as far as possible
		+ Ensure authoritative National support for the use of the National codes
		+ Avoid National codes containing administrative information
		+ Combine information and experience between the NRCs
 | All |
| 1. The meeting closed on Monday, 11. June 2018 at 16:00
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