

Minutes of IARC meeting 74, August 3rd, 2021

In attendance: Corey Watson, Ayelet Peres, Gur Yaari, Andrew Collins, Martin Corcoran, William Lees, Mats Ohlin

1. Approval of minutes of meeting 73

Approved

2. Update on allele submissions to ENA/GenBank

An issue with current submissions have been identified and resolved and resubmission will take place in the immediate future to enable final consideration of the VDJbase P1 inferences.

3. Commentary to Genes & Immunity - status

The commentary has been submitted by MO and is under consideration by the journal.

4. Discussion on future development of interaction between IUIS // IMGT-NC // AIRR-C/IARC

- CW and AC summarized recent developments within the IUIS subcommittee. CS has resigned from her leadership role of the subcommittee. The role and the development of the wider subcommittee will be under discussion at the coming GLDB meeting, including formal recognition of IARC(s) in the processes of the subcommittee, incl. submission and review of mouse and macaque germline sequences.
- Opportunities for funding of work on e.g. industrially important mouse germline genes repertoire sets e.g. through the Antibody Society were discussed.
- Naming structure, including a non-positional nomenclature, for mouse/macaque genes was discussed.
- It was recognized that an efficient ENA/GenBank submission is critical for large submission efforts, possibly as part of the VDJbase system.
- The opportunity to produce and publish an non-human germline reference set would be a key step forward to establish a future process.
- WL will adapt OGRDB to enable submission and analysis of mouse sequences.
- AC will discuss with Katherine Jackson to enable possible future submission of mouse F1 data.

- CW and AC will initiate a Google doc to initiate a document for building mouse germline sets.
- CW and MC will initiate a Google doc to initiate a document for building macaque germline sets.

5. In preparation for the AIRR Community Meeting VI - actions expected in relation to goals for 2021:

- **Continue to evaluate human IGH, IGK, and IGL inferences**
- **Establish a human TCR IARC**
- **Establish IARC(s) for non-human species**
- **Develop tools and guidelines for the evaluation of the 'quality' of submitted datasets**
- **Streamline procedures for the submission and assessment of human IGHV inferences**
- **Develop strategies to make the work of the IARC(s) sustainable**

To be further discussed at later meeting

6. Future manuscript ideas

To be further discussed at later meeting

7. Next meeting

August 10, 2021 at 10.00 UTC.