

IUIS

Nomenclature Committee (NOM)

# IUIS Nomenclature Committee

## Annual Report

Jamie Scott  
16 December 2025

# Mission of the IUIS Nomenclature Committee

The Nomenclature Committee (**NOM**) consists of the chairs, vice-chairs and co-chairs of its 10 Sub-Committees.

The NOM is responsible for engaging the immunology community in an open forum where Nomenclature of the cells, genes and molecules of the immune system are discussed and decided upon.

To this aim, NOM has established 10 SCs that each covers a distinctive area in the field.

Where possible, each SC is linked to one or more relevant not-for-profit societies and/or organizations.

# NOM Activities

The NOM met 3 times this year, with major focus on restructuring some of its more dormant Sub-Committees. This effort has been successful, following a transparent, inclusive process.

*Interleukin Nom SC*: Has a new Interim Chair, Prof. Diana Boraschi, who has recruited a core of new members. Her position as interim chair and the process she's following have been approved by NOM. This SC will be renamed Cytokine Nom SC. See interim Terms of Reference.

*Innate Lymphocyte Nom SC*: Interim Chair, Prof. Marco Colonna, has recruited new members. The SC may create a NK Cell Nom Review Committee headed by Eric Vivier. The process has been approved by NOM. See interim Terms of Reference.

*B Cell and Plasma Cell Nom SC*: Interim Chair, Prof. Inaki Sanz, has created a list of immunologists to invite to the SC, whom Prof Scott will contact. Interim Terms of Reference will be produced for the core SC members.

*Mucosa-associated Lymphoid Tissue (MALT) Nom SC*: Prof. Ana Maria Caetano de Faria, Universidade Federal de Minas Gerais (UFMG), Brazil, is in the process of recruiting a core of new members and forming an association with the Society for Mucosal Immunology. A core SC terms of reference will be written, and open nominations for other members will be advertised. See Progress report.

# Highlights of NOM Sub-Committee Activities

## Sub-Committee Databases

*Allergen Nom SC:* [Allergen.org database](https://www.allergen.org/): 41 novel candidate allergens or novel isoallergens or variants of existing allergens were submitted and reviewed by the SC. As of 14 June 2025, 14 were accepted as new allergens, 1 rejected, 9 non-responses to follow up and 26 still under review.

*CD Molecule Nom SC:* 14 new CD designations were assigned to GPCR cell-surface molecules expressed on immune cells.

*KIR Nom SC:* 63 allele-sequence submissions to the database in the past 12 months; overall: 2,286 KIR alleles.

*TR-IG Nom SC:* Registry for new IG and TR genes and alleles is being set up in collaboration with the German data portal, [NFDI4Immuno.de](https://www.nfdi4immuno.de) which will be supporting it.

# Highlights of NOM Sub-Committee Activities (cont'd)

## Publications

Allergen Nom SC had one publication in *Allergy 2025*, along with 2 meeting abstracts.

CD Molecule Nom SC published on its new CD molecules in *European J Immunol*.

## Other progress

*CD Molecule Nom SC* presented at 3 international conferences.

*Complement Nom SC* is working on new nomenclatures for intracellular complement components.

*TR-IG Nom SC* approved and named >400 new IG alleles and genes in 2025.

## 2026-2028 Budget request

*Allergen Nom SC* requested \$5,000/year to maintain its allergen.org database.

Two other societies also contribute funds to this effort. See annual report for details.

*NOM* Reduced its annual request by over 50%: from \$15,200 in 2026 and \$10,200 in 2027 and 2028.

# NOM Committee, Sub-Committee and Database Hub Redesign

Another area of focus for the NOM has been to make its databases more prominent on the IUIS website. To that end, IUIS provided \$5000 USD to pay a web designer to upgrade the Sub-Committee webpages and Database Hub

In the next slides you'll see BEFORE and AFTER renditions of one of the NOM Sub-Committee pages and of the IUIS Database Hub page, as well as what you would see on a mobile phone.

Should the Committee Liaison Group wish, Mr. Lovano, the web designer, will make plug&play Templates for

- Committee pages
- Sub-Committee pages
- Hub pages (for IUIS-approved databases, nomenclatures, standards, etc.)

This would give ***a consistent look and feel*** to the IUIS Committee webpages.



Home > IUIS Databases

## IUIS-Approved Immunology Databases

As part of its commitment to advancing immunology research and education, the International Union of Immunological Societies (IUIS) has compiled this comprehensive list of immunology databases. These databases, maintained by clinicians and scientists worldwide, have easy access to essential immunological data, supporting scientific discoveries and clinical applications. Provided in collaboration with various immunological societies and organizations, this collection includes resources on immune cell profiling, antibody sequences, and disease-specific data.



We invite you to explore these databases and make the most of these valuable tools for your work!

### Allergen Nomenclature Database

The ICAP Allergen Nomenclature Database (AND) is a public resource that is approved by the World Health Organization and International Union of Immunological Societies Allergen Nomenclature Sub-Committee.

[Access this Database](#)

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### Human Cell Differentiation Molecules Database

The HCDM Database of the IUIS Reference Sub-Committee standardizes and characterizes leukocyte surface molecules critical to the immune system. Through HLDA Workshops, it assigns CD (cluster of differentiation) designations and maintains a database of related monoclonal antibodies. HCDM also provides resources like CD Maps, offering standardized flow cytometry data on antigen expression in immune cells.

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### Human Cell Differentiation Molecules Maps

A public resource of the IUIS Reference Sub-Committee presenting standardized data on the expression of 110 CD markers across 47 human immune cell subsets. Generated across four labs using 8-color flow cytometry and QuantBRITE beads, the dataset includes antibody binding capacity (ABC) values from 12 replicate samples. The project supports HCDM's mission through dynamic profiling of CD1-CD100 molecules and complements the HLDA Workshops.

[Access this Database](#)

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### International Consensus on ANA Patterns Database

ICAP: International Consensus on ANA Patterns Database is the official site of the International Consensus on Antinuclear Antibody Patterns (ICAP), an initiative to standardize and classify HEP-2 IFA staining patterns. Formed under the IUIS Autoantibody Standardization Committee, ICAP provides high-quality reference images and promotes consistent terminology, including the preferred use of "HEP-2 IFA" over the outdated term "ANA." ICAP uses "Anti-Cell AC" codes to label patterns, recognizing ongoing discussion around precise naming in autoantibody testing.

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### Immuno-Polymorphism Database-KIR Database

The IEI Committee provides an updated classification of over 180 inborn errors of immunity (IEIs), supporting clinical care, research, and healthcare policy worldwide. Used by clinicians, scientists, and health organizations, the classification guides diagnosis, treatment decisions, and funding. The latest version is available for download on the IUIS website, sortable by gene and inheritance, and suitable for designing sequencing panels and diagnostic tools.

[Access this Database](#)

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### T-cell Receptor and Immunoglobulin Nomenclature Sub-Committee



Since this Sub-Committee has not addressed MHC/HLA nomenclature for several decades, the name of the Sub-Committee has been changed to "T-cell Receptor and Immunoglobulin Nomenclature Sub-Committee" (or "TR-IG NDC").

[TR-IG NDC Registry >](#)

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#### Mission

In continuing the pioneering work of Dr. Marie-Françoise Lefranc, the T-cell Receptor and Immunoglobulin Nomenclature Sub-Committee is responsible for validating, approving, and assigning names to newly discovered T-cell receptors (TCR) and immunoglobulin (IG) germline genes, following the principles of the IMGT™ information system (whenever possible). This Sub-Committee is also responsible for coordinating the location of these genes in the appropriate genome gene databases.

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#### Chair

Felix Braden [↑ Contact](#)  
[↓ Contact](#)

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#### Members

Current Sub-Committee Members:

[Members >](#)

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#### TR-IG Nomenclature Review Committee

Please learn about the TR-IG Nomenclature Review Committee, formerly IMGT-NC Reports Review Committee here:

[TR-IG Nomenclature Review Committee >](#)

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#### Inferred Allele Review Committee

Please learn about the Inferred Allele Review Committee here:

[The Inferred Allele Review Committee >](#)

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#### Reports to IUIS

- 2020-2021 Sub-committee Report
- 2022 Sub-committee Report
- IUIS NCM IMGT-NC Reports IMHA 2017, 2022

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#### Terms of Reference

You can find the Terms of Reference here:

[Terms of Reference >](#)

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The TR-IG Nomenclature Sub-Committee is part of the NOM

#### Nomenclature Committee (NOM)

The NOM Committee is composed by 11 nomenclature sub-committees dedicated to specific areas of nomenclature:

#### Allergen Nomenclature Sub-Committee

Our mission is to name and catalogue IUIS-validated allergens which are submitted to the Sub-Committee, then once accepted, stored in the allergen.org database.

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[HCDM Database >](#)

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#### Human Cell Differentiation Molecule Maps

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[HCDM Maps >](#)

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[About this Sub-Committee >](#)

[ICAP Database >](#)

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#### Immuno-Polymorphism Database-KIR Database

A centralized resource for curated human KIR (killer cell immunoglobulin-like Receptor) gene sequences, which are highly polymorphic and part of the immunoglobulin superfamily.

[About this Sub-Committee >](#)

[KIR Database >](#)

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#### Inborn Errors of Immunity Classification Table

A public resource from HCDM presenting standardized data on the expression of 150 CD markers across 17 human immune cell subsets.

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[Download ICI Classification >](#)

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## Database Hub on a mobile phone

# Plans for 2026

1. Complete SC restructuring and Terms of Reference development.
2. Implement SC webpage redesign.
3. Implement Database Hub redesign.
4. Complete Terms of Reference for all SCs & their Review Committees & Working Groups.
5. Encourage societies associated with SCs to become IUIS member societies.
6. Work on promoting NOM databases and educational materials.
7. Produce webinars introducing visitors to the SCs and database resources (and how to use them).
8. Consider creating a Nomenclature Hub listing all IUIS-approved and maintained nomenclatures to increase prominence of these assets.
9. Encourage SCs to seek funding from industry, NGOs and governments.
10. Use the new funding MOU form to acknowledge and catalog in-kind and monetary support currently provided by societies and other organizations, along with new agreements.

**Question?**  
**Comments?**

