

# **AIRR Community Minimal Standards Working Group**

## **Report 2019/20**

2020-12-08  
AIRR Community Meeting V

# Presentation outline

- WG overview
- Goals for reporting period
- Activities in reporting period
- Proposed actions and activities for 2020/21

# WG structure

## Purpose/Mission

To develop, maintain and promote minimal reporting standards for AIRR-seq data

## WG Members (alphabetical order)

Francisco Arcila, Felix Breden, Christian Busse (Co-Chair), Ahmad Chan, Scott Christley, Brian Corrie, John Graybeal, Srilakshmy Harikrishnan, Nina Luning Prak, Marcos Martinez Romero, Florian Rubelt (Co-Chair), Erand Smakaj, Jason Vander Heiden, Corey Watson

## WG Demographics

- Country of residence: US 9, DE 3, CA 1, CH 1
- Female:male 2:12
- Percentage active members: 45%

# Goals and Products 2019/20

## Goals

- Standard for single-cell data
- Standard for reactivity data
- Continue OntoVoc activities
- Transition into Standing Committee

## Products

- MiAIRR 1.3 standard
- OntoVoc Team 04/2020 sprint report
- Manuscript (in preparation, will describe MiAIRR 2.0)

# Activities in 2019/20

## Standard for single-cell data

- Passed, included in AIRR Schema v1.3.0
- See [Release Notes](#) on AIRR Community Docs

## Standard for reactivity data

- Drafted, to be included in AIRR Schema v1.4.0

# Activities in 2019/20

## Ontologies & Vocabularies Team (OntoVoc)

- Use CURIEs to abbreviate IRIs, thereby allowing to separate IDs from the provider-specific part of the IRI
- Some progress on ontologies for mouse strains and geolocation, but no recommendation yet
- Finalized several draft recommendation from 11/2018 sprint
- See [full report of 04/2020 sprint](#) on AIRR Community Docs

# Activities in 2019/20

## Transition to Standing Committee

- The transition was put on hold in early 2020 for two reasons
  - There appears to be a continued need for an active development of content standards AIRR-seq data, thus defeating the purpose of a “maintenance” SC.
  - The current AIRR-C governance defines SCs as AIRR-C internal groups, which would prevent non-AIRR-C members from contributing. This is considered incompatible with our community-backed standardization approach.

# Proposed plans for 2020/21

- MiniStd will **not** continue as a separate WG
- Instead, a **new** Standards WG will be proposed, which will absorb MiniStd, DataRep and some parts from ComRepo
  - Why?
    - The work in these WGs will continue for at least another year
    - The products of these WGs are closely connected and overlapping
    - The same people, talking about the same things, in three different calls? ⇒ Let's be more efficient! (We tried it for 6 months, it works)
- Standards WG will take care of the AIRR data schema, common exchange format, ADC API, minimal reporting requirements, ontologies & vocabularies and persistent identifiers
- ComRepo will continue, focusing on building the ADC (as a real thing, not just a protocol stack).