

**Day 1: Sunday, December 3, 2017 – Washington DC /  
Rockville Hilton Hotel**

*Mentorship Activity*

*Minimal Standards Working Group Convenes (Twinbrook Room)*

*Common Repository Working Group Convenes (Montrose Room)*

*Tools and Resources Working Group Convenes (Democracy Room)*

*Germline Gene Working Group Convenes (TBA)*

*Opening of AIRR Community Meeting & Presentation of Working Group Progress*

<b>Time</b>	<b>Activities</b>
9:00 – 12:00	<p><b>Working Groups meet concurrently</b></p> <p><b>Mentorship Activity for New Investigators:</b> Victor Greiff, University of Oslo <b>Steps in AIRR Data Capture and Analysis (Jackson Room)</b></p>
12:00 – 12:45	<i>Lunch (on own)</i>
12:45 – 1:00	<p><b>MEETING BEGINS:</b> <b>Introduction of Conference Organizers, Working Group Leaders, and Review of the Agenda (Washington Theater)</b></p>
1:00 – 3:00	<p><b>All Working Groups convene with conference attendees to discuss recommendations including:</b></p>
1:00 – 2:00 2:00 – 3:00	<p><b>Implementation Details from Minimal Standards Working Group</b> <b>Implementation Details from Common Repository Working Group</b></p>
3:00 – 3:30	<i>Break</i>
3:30 – 3:50 3:50 – 4:00 4:00 – 4:15 4:15 – 4:30	<p><b>Tools and Resources – Introduction and Software WG update</b> <b>Tools and Resources – File Formats WG update</b> <b>Tools and Resources – Biological Standards WG update</b> <b>Towards standards for TCR repertoire studies – Encarnita Marriotti-Ferrandiz</b></p>
4:30 – 5:30	<p><b>Presentation of Proposed Governance Structure:</b> <b>Discussion &amp; Vote on Joining TAbS (The Antibody Society)</b></p>
5:30 – 6:00	<p><i>Reception ~ snacks provided ~ cash bar (Eisenhower Room)</i> <i>No government funds will be used for food and drinks</i></p>

6:00 – 7:30	<b>Recommendations from Germline Gene Working Group: AIRR Community's Role in IG Gene Naming and Its Relationship to the IUIS IG/TR/MH Nomenclature Committee</b>
	<i>Attendees are on their own for dinner</i>

**Day 2: Monday, December 4, 2017 – NIAID's Fishers Lane Facility**  
*Scientific Presentations: Sessions 1 – 3*

**Webinar Links for Virtual Attendance**

Session 1: <https://attendee.gotowebinar.com/register/7041796218829310979>

Session 2: <https://attendee.gotowebinar.com/register/4636391332208890371>

Session 3: <https://attendee.gotowebinar.com/register/7134530129027597827>

<b>Time</b>	<b>Activities</b>
7:45 AM	<i>Attendees gather in Rockville Hilton Hotel lobby to walk to NIH Fishers Lane Facility ~ arrive at facility by 8:00 to go through security</i>
8:30 – 8:40	<b>Introduction to the Day's Agenda (Room 1D13)</b> <b>Session 1: Germline Gene Inference Tools</b> <b>Moderator's Introduction:</b> Andrew Collins, University of New South Wales
8:45 – 9:05	<b>Presentation 1 – TIGGER for IGHV Gene Inference</b> Steve Kleinstein, Yale University
9:05 – 9:25	<b>Presentation 2 - IgDiscover for IGHV Gene Inference</b> Martin Corcoran, Karolinska Institute
9:25 – 9:35	<b>Shared Q&amp;A</b>
9:35 – 10:00	<b>Presentation 3 – Evaluation and Validation of Germline Gene Inference</b> Mats Ohlin, Lund University
10:00 – 10:10	<b>Q&amp;A</b>
10:10 – 10:30	<b>Panel Discussion: Validation &amp; Comparison of Inference Tools</b>
10:30 – 10:45	<i>Break</i>
10:45 – 10:55	<b>Session 2: IGH Genomic Haplotypes</b> <b>Moderator's Introduction:</b> Marie-Paule Lefranc, IMGT, University of Montpellier
10:55 – 11:20	<b>Presentation 1 – New Human IG Haplotypes</b> Corey Watson, University of Louisville Medical School
11:20 – 11:30	<b>Q&amp;A</b>

11:30– 11:55	<b>Presentation 2 – Role of Novel Regulatory Elements in the Formation of the Ig-κ Repertoire</b> Ann Feeney, The Scripps Research Institute
11:55 – 12:05	<b>Q&amp;A</b>
12:05 – 12:30	<b>Presentation 3 – Macaque IG Haplotypes</b> Akshaya Ramesh, University of California, San Francisco
12:30 – 12:40	<b>Q&amp;A</b>
12:40 – 1:00	<b>AIRR Community Discussion</b> <b>Discussion Leaders: Marie-Paule Lefranc &amp; Corey Watson</b> <b>IGH Haplotype and Germline Gene Nomenclatures</b>
1:00 – 1:45	<b>Boxed Lunches &amp; Poster Session I (LD10 Lower Level)</b>
1:45 – 2:15	<b>Minimal Standards Implementation Demos</b> Steven Kleinstein, Nina Prak, Florian Rubelt, Christian Busse, & Syed Ahmad Chan Bukhari
2:15 – 2:25	<b>Session 3: IP Issues in Data Sharing across Shared Repositories</b> <b>Moderator’s Introduction:</b> Tania Bubela, Simon Fraser University
2:25 – 2:45	<b>Presentation 1 - TBA</b> Harlan Robins, CEO, Adaptive Biotechnologies
2:45 – 3:05	<b>Presentation 2 - TBA on the Human Immunome Project</b> Jim Crowe, Vanderbilt University
3:05 – 3:25	<i>Break</i>
3:25 – 3:45	<b>Presentation 3 - Intellectual Property Law</b> Jacob Sherkow, New York Law School
3:45 – 4:30	<b>Panel – Robins, Crowe and Sherkow – IP Issues in Data Sharing</b>
4:30 – 5:00	<b>Common Repository WG: Resolving IP and Protected Sequences</b> <b>Discussion and Community Vote</b> <b>Lindsay Cowell &amp; Corey Watson</b>
5:00	<i>End of Day at Fishers Lane Facility ~ Attendees return to Rockville Hilton Hotel</i>
5:30 – 7:45	<b>Reception and Tool Demos at the Washington DC/Rockville Hilton Hotel</b> <b>Snacks provided ~ cash bar</b> <i>No government funds will be used for food and drinks</i>

5:30 – 6:30	<b>5 m Tool Demonstrations</b>
6:30 – 7:00	<b>Panel on validation and improvement of AIRR analysis tools</b>
7:00 – 7:45	<b>Face-to-face tool demonstrations by teams</b>
	<i>Attendees are on their own for dinner</i>

**Day 3: Tuesday, December 5, 2017 – NIAID’s Fishers Lane Facility**  
***Scientific Presentations: Sessions 4 and 5***

**Webinar Links for Virtual Attendance**

Session 4: <https://attendee.gotowebinar.com/register/2846600806957000963>

Session 5: <https://attendee.gotowebinar.com/register/2846600806957000963>

<b>Time</b>	<b>Activities</b>
7:45 AM	<i>Attendees gather in Washington DC / Rockville Hilton Hotel lobby to walk to NIAID’s Fishers Lane Facility ~ arrive at facility by 8:00 to go through security</i>
8:30 – 8:40	<b>Introduction to Day 3 Agenda (Room 1D13)</b> <b>Session 4: AIRR Data in the Study of Disease</b> <b>Moderator’s Introduction</b> Steve Kleinstein, Yale University
8:40 – 9:05	<b>Presentation 1 - Cancer Immunotherapy</b> John O’Malley, Brigham and Women’s Hospital, Boston
9:05 – 9:15	<b>Q &amp; A</b>
9:15 – 9:40	<b>Presentation 2 - Neoantigen-specific T-cell Receptor Repertoires from Healthy Donors</b> Johanna Olweus, Oslo University Hospital
9:40 – 9:50	<b>Q &amp; A</b>
9:50 – 10:05	<i>Break</i>
10:05 – 11:30	<b>Presentation 3 - BCR repertoire analysis in human SLE</b> Iñaki Sanz, Emory University School of Medicine
11:30 – 11:40	<b>Q &amp; A</b>
11:40 – 12:05	<b>Presentation 4 - BCR repertoire sequencing in patients with primary immunodeficiency analysis in human SLE -</b> Johannes Truk, Oxford Vaccine Group, University of Oxford
12:05 – 12:15	<b>Q &amp; A</b>

12:15 – 2:00	<b>Boxed Lunches and Poster Session II (LD10 Lower Level)</b> concurrent with <b>New Investigators' Lunch with Mentors</b>
2:00 – 2:05	<b>Session 5: Integration of AIRR Data with Complex Biological and Population Data</b> <b>Moderator's Introduction:</b> George Georgiou, University of Texas – Austin
2:05 – 2:30	<b>Presentation 1 – Molecular Analysis of the Serum Antibody Repertoire</b> George Georgiou, University of Texas – Austin
2:30 – 2:40	<b>Q &amp; A</b>
2:40 – 3:05	<b>Presentation 2 - Genetic Diversity of Non-Human Primate &amp; Human Germline Ig Genes</b> Gunilla Karlsson Hedestam, Karolinska Institute, Stockholm
3:05 – 3:15	<b>Q &amp; A</b>
3:15 – 3:25	<i>Break</i>
3:25 – 3:50	<b>Presentation 3 - The Antibody Response of Celiac Disease</b> Ludvig Sollid, University of Oslo
3:50 – 4:00	<b>Q &amp; A</b>
4:00 – 5:00	<b>AIRR Community Discussion</b> <b>Discussion Leaders: Felix Breden &amp; Jamie Scott</b> <b>Proposed AIRR Community Governance Structure and Working Group Organization</b>
5:00	<i>End of Day at Fishers Lane Facility ~ Attendees return to Rockville Hilton Hotel</i>
6:30 – 10:00	<i>Attendees Convene for Group Dinner at Seasons52 in North Bethesda</i>

**Day 4: Wednesday, December 6, 2017 – NIAID’s Fishers Lane Facility  
Community Initiative Working Day**

<b>Time</b>	<b>Activities</b>
7:45	<i>Attendees gather in Washington DC / Rockville Hilton Hotel lobby to walk to NIAID Fishers Lane Facility ~ arrive at facility by 8:00 to go through security</i>
8:40 – 9:30	<b>Conclude discussion and vote on: AIRR Community Governance Structure</b>
9:35 – 10:30	<b>Conclude discussion and vote on: Working Group Organization</b>
10:35 – 11:00	<b>Conclude discussion and vote on: Germline Gene Working Group Recommendations</b>
11:00 – 12:00	<b>Elect AIRR Community Leadership</b>
12:00	<b>Full Meeting Adjourns</b>
12:00 – 1:00	<i>Lunch (on own)</i>
1:00 – 4:00	<i>Working Groups will convene at the Washington DC / Rockville Hilton Hotel to finalize membership &amp; develop plans for the coming year (Montrose, Frederick and Twinbrook rooms)</i>

