

2017 Adaptive Immune Receptor Repertoire (AIRR) Community Meeting

Thank you for your interest in registering for the 2017 Community Meeting.

Agenda

The AIRR Community Meeting Committee has organized the meeting over four days, December 3-6. The first day, Sunday December 3, and the final day, Wednesday December 6, will concentrate on organizational issues, reports from the Working Groups, and decisions on protocols and standards. The middle two days, Monday December 4 and Tuesday December 5, will emphasize scientific presentations and discussions on the use and importance of AIRR-Seq data.

Following the successful model for the 2016 AIRR Community Meeting, activities will be held at the NIH Fishers Lane Facility and the Rockville Hilton in Rockville, MD.

The full agenda follows at the end of this announcement and is posted on the registration site.

Registration

Once again NIH is providing support to bring in speakers for the Fishers Lane portion of the meeting. In order to fully support our speakers and to support activities at the Rockville Hilton, we will be charging registration fees for the off-site portion of the meeting: Regular Participants, \$250 US and Trainees, \$125 US.

The number of registrants will be limited by the available space. If you intend to participate, please register as soon as possible. For those of you who cannot attend in person, attendance by videoconference will also be available, with details to follow.

Here is the link to the registration site:

<https://www.regonline.com/2017airrcommunitymeeting>

Posters

Posters will be on display during lunch, Monday December 4 and Tuesday December 5. If you are interested in presenting a poster please send the items listed below in a word document (Arial, 11 pt font size, 1" margins) to Felix Breden, breden@sfu.ca. There will be a limited number of spaces available, and acceptance will be on a "first come-first served" basis. Instructions for the posters will be sent to you on acceptance.

Title:

Authors (underline presenting):

First Last¹, First Last¹, First Last², First Last², First Last¹, First Last¹ ¹Affiliation; ²Affiliation

Abstract (300 words):

Funding:

Tool Demonstrations

Tool demonstrations, a very popular and informative part of our previous meetings, will be on Monday night December 4 at the Rockville Hilton. If you want to present an analysis or data integration tool, or any tool that helps the AIRR Community, that is open to public use with no licensing fees, send the items listed below in a word document (Arial, 11 pt font size, 1" margins) to Florian Rubelt at frubelt@stanford.edu by October 15. Depending on the number of proposed demonstrations, we may have to limit the open presentations to just a few minutes, but we will then have tables where people can circulate and interact with the tools and their developers during the reception.

Title:

Authors (underline presenting):

First Last¹, **First Last**¹, **First Last**², **First Last**², **First Last**¹, **First Last**¹ ¹Affiliation; ²Affiliation

Abstract (300 words):

Words words words.

Funding:

Accommodations

We have arranged for rooms at the Rockville Hilton in Rockville, Maryland. Those meeting sessions that are not planned for the NIH Facility will also take place at the Rockville Hilton; the two venues are within an easy walk.

A block of rooms has been reserved for December 2, 2017 - December 7, 2017. The special room rate will be available until November 2nd or until the group block is sold-out, whichever comes first.

Please follow the link below to book your accommodations at the Hilton Rockville (this link is also available from the registration site)

http://www.hilton.com/en/hi/groups/personalized/I/IADMRHF-DAI-20171202/index.jhtml?WT.mc_id=POG

Food

Conference attendees and/or presenters are responsible for meals and/or light refreshments on their own and at their own cost during the day sessions at NIH. There will be a reception with snacks and cash bar at the Hilton Sunday and Monday nights; no government funds will pay for these receptions. We will have a group dinner Tuesday night at Seasons 52, a local restaurant. As part of registration please indicate whether you will be attending the group dinner. Details will follow. Cost of dinner is not included in registration fee.

AVAILABLE LUNCH OPTIONS

Please order boxed lunches ahead of time for poster sessions Monday December 4 and Tuesday December 5.

Café 5601 offers online ordering of boxed lunches. You can do so by visiting <http://www.cafe5601.com/#!online-boxed-lunches/ctbc>. Please schedule your lunch for a 12:45 PM pickup on Monday December 4th and 12:15 PM. pickup on Tuesday the 5th. You will need to pick up your lunch from the poster session area located on the lower level of the meeting facility. **You must place your order at least one day prior to pickup. Please contact the General Manager at (301) 770-8902 if you have questions regarding your lunch order.**

We are looking forward to a productive and enjoyable meeting,

The Organizing Committee of the 2017 AIRR Community Meeting:
Felix Breden, Jamie Scott, Danny Douek, Florian Rubelt, and Chaim Schramm

Questions? Please contact Felix Breden at breden@sfu.ca

AIRR 2017 Agenda

Day 1: Sunday, December 3, 2017 – Hilton Hotel

Mentorship Activity, Working Groups Convene

Opening of AIRR Community Meeting & Presentation of Working Group Progress

Time	Activities
9:00 – 12:00	Working Groups meet concurrently Mentorship Activity for New Investigators: – Victor Greiff (University of Oslo)
12:00 – 12:45	Lunch on own
12:45 – 1:00	MEETING BEGINS: Introduction of Conference Organizers, Working Group Leaders, and review of the agenda
1:00 – 3:00	All Working Groups convene with conference attendees to discuss recommendations including:
1:00 – 2:00	Implementation details from Minimal Standards Working Group
2:00 – 3:00	Implementation details from Common Repository Working Group
3:00 – 3:30	<i>Break</i>
3:30-4:00	Implementation details from Tools and Resources Working Group
4:00 – 5:00	Presentation of Proposed Governance Structure: Discussion & vote on joining TABS (The Antibody Society)
5:00 – 5:30	Reception: Snacks provided; cash bar <i>No Government funds will be used for food and drinks.</i>
5:30 – 7:00	Recommendations from Germline Gene Working Group & AIRR Community’s roles in IG Gene Naming and IUIS participation
	<i>Attendees are on their own for dinner</i>

AIRR 2017 Agenda

Day 2: Monday, December 4, 2017 – NIH’s Fishers Lane Facility *Scientific Presentations: Sessions 1 - 3*

Time	Activities
8:00 AM	Attendees gather in Hilton Hotel lobby to walk to Fishers Lane Facility
8:30 – 8:40	Introduction to the day’s agenda Session 1: Germline gene inference tools Moderator’s introduction: Andrew Collins
8:45 – 9:05	Presentation 1 – TigGER for IGHV gene inference; Steve Kleinstein, Yale U.
9:05 – 9:25	Presentation 2 - IgDiscover for IGHV gene inference; Martin Corcoran, Karolinska Institute
9:25 – 9:35	Shared Q&A
9:35 – 10:00	Presentation 3 – Evaluation and Validation of Gene Inference tools; Mats Ohlin, Lund University
10:00 – 10:10	Q&A
10:10 – 10:30	Panel Discussion on validation & comparison of inference tools
10:30 – 10:45	<i>Break</i>
10:45 – 10:55	Session 2: IGH genomic haplotypes Moderator’s introduction: Marie-Paule Lefranc (not confirmed), IMGT, Montpellier
10:55 – 11:15	Presentation 1 – Corey Watson, University of Louisville Medical School, Louisville; New Human IG Haplotypes
11:15 – 11:25	Q&A
11:25 – 11:45	Presentation 2 – Ann Feeney, Scripps RI; Role of novel regulatory elements in the formation of the Igk repertoire
11:45 – 11:55	Q&A
11:55-12:15	Presentation 3 – Akshaya Ramesh, UCSF; Macaque IG Haplotypes
12:15-12:25	Q&A
12:25-12:45	Discuss IGH haplotype and germline gene nomenclatures

12:45 – 1:45	Boxed Lunches & Poster Session I New Investigators' lunch with Mentors
1:45 – 2:10	Minimal standards implementation demo – Steven Kleinstein & Nina Prak
2:10 – 2:35	Common repository implementation demo – Lindsay Cowell & Corey Watson
2:35 – 3:00	<i>Break</i>
3:00 – 3:05	Session 3: IP issues in Data Sharing across Shared Repositories Moderator's introduction: Tania Bubela, University of Alberta
3:05 – 3:30 3:30 – 3:40	Presentation 1 - Harlan Robins, CEO, Adaptive Biotechnologies; TBA Q&A
3:40 – 4:05 4:05 – 4:15	Presentation 2 - Jim Crowe, Human Immunome Project, Vanderbilt University; TBA Q&A
4:20 – 4:45 4:45-4:55	Presentation 3 - Jacob Sherkow, New York Law School; Intellectual Property Law Q&A
5:00	<i>End of Day at Fishers Lane. Attendees return to Hilton Hotel</i>
5:30 – 7:45	Reception and Tool Demos at the Hilton Hotel Snacks provided; cash bar <i>No Government funds will be used for food and drinks.</i>
	<i>Attendees are on their own for dinner</i>

AIRR 2017 Agenda

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

Time	Activities
8:00 AM	Attendees gather in Hilton Hotel lobby to walk to Fishers Lane Facility
8:30 - 8:40	Introduction to Day 3 Agenda Session 4: AIRR Data in the Study of Disease Moderator’s introduction Rob Holt, Michael Smith Genome Sci. Ctr, Vancouver
8:45 – 9:10	Presentation 1 John O’Malley, Brigham and Women’s Hospital, Boston; Cancer Immunotherapy
9:15 – 9:45	Presentation 2 Johanna Olweus, Oslo University Hospital; Targeting Cancer Neoantigens with TCR Repertoires
10:15 – 10:40	<i>Break</i>
10:45 – 11:15	Presentation 3 Ianki Sanz, Emory University School of Medicine; SLE
11:45 – 12:15	Presentation 4 – Johannes Truk, Oxford Vaccine Group, University of Oxford
12:15 – 1:30	<i>Boxed Lunches and Poster Session II</i>
1:30 – 5:00	Session 5: Integration of AIRR Data with Complex Biological and Population Data Moderator’s introduction: George Georgiou, University of Texas – Austin
1:30 – 1:55	Presentation 1 George Georgiou, University of Texas – Austin;

2:00 – 2:25	Presentation 2 Gunilla Karlsson Hedestam, Karolinska Institute, Stockholm; Genetic diversity of Non-Human Primate and Human Germline Ig Genes
2:30 – 2:55	<i>Break</i>
3:00 – 3:30	Presentation 3 Ludvig Sollid, University of Oslo; The Antibody Response of Celiac Disease
4:00 – 5:00	Discussion of Proposed AIRR Community Governance Structure and Working Group Organization
6:30 – 10:00	<i>Attendees Convene for Group Dinner</i>

AIRR 2017 Agenda

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

Time	Activities
8:00	Attendees gather in Hilton Hotel lobby to walk to Fishers Lane facility
8:40 – 9:30	Conclude discussion and vote on: AIRR Community Governance Structure
9:35 – 10:30	Conclude discussion and vote on: Working Group Organization
10:35 – 11:30	Elect AIRR Community Leadership
11:30	Full Meeting Adjourns
11:30 - 12:30	Lunch on own
1:00 – 4:00	<i>Working Groups will convene at the Hilton Hotel to finalize membership & plans for the coming year</i>