Thursday, October 3rd, 2019

Venue: **The Hilton**, 1750 Rockville Pike, Rockville, MD, 20852

Meeting Room: Roosevelt/Madison

8:00-8:30 a.m.	Lite breakfast
8:30-8:50 a.m.	NHGRI program official report | Robb Rowley (NIH/NHGRI)
8:50-9:10 a.m.	Announcements, opening remarks | Rex Chisholm (SC Chair, Northwestern)
9:10-9:30 a.m.	Integrating and harmonizing EHR data from multiple institutions across mother and child dyads| Brett Harnett (CCHMC)
9:30-10:00 a.m.	Sequencing Center & Genomic Data updates • FHIR, SV analysis & Year 5 updates| Eric Venner (BCM/HGSC) • Re-analysis of variants identified in eMERGEseq | Hana Zouk (Partners Broad) • Network datasets | David Crosslin (UW/CC)
10:00-10:45 a.m.	AnVIL & eMERGE data access | Ken Wiley (NHGRI)
10:45-11:00 a.m.	**Networking Break**
11:00-12:20 p.m.	*Workgroup breakout session one** **Harmonization, ROR, and impact on clinical outcomes** (Roosevelt/Madison) | <u>Outcomes</u>, ROR, Clinical Annotation, EHRI **Natural language processing *&* phenotype discovery** (Jefferson) | <u>Phenotyping</u>, Genomics, PGx
12:20-12:50 p.m.	**Working Lunch**
12:50-1:10 p.m.	Choices, expectations, and attitudes about genomic screening in Latino and Ashkenazi Jewish individuals | Julia Wynn (Columbia)
1:10-2:30 p.m.	*Workgroup breakout session two** **Preliminary analysis of eMERGEseq data** (Roosevelt/Madison) | <u>Clinical Annotation</u>, Genomics, Outcomes, Phenotyping **EHRI, CDS, *&* FHIR standards** (Jefferson) | <u>EHRI</u>, PGx, ROR
2:30-2:50 p.m.	Results of comparative study of participant reported adherence with adherence reported in the EHR| Alanna Kulchak Rahm (Geisinger)
2:50-3:10 p.m.	**Networking Break**
3:10-4:30 p.m.	*Workgroup breakout session three** **Genomic datasets and discovery** (Roosevelt/Madison) | <u>Genomics</u>, PGx, CSG, Phenotyping **ROR Recommendations: informing return across large networks** (Jefferson) | <u>ROR/ELSI</u>, Outcomes, Clinical Annotation, EHRI
4:30-4:50 p.m.	Genomic medicine for Chronic Kidney Disease: lessons and opportunities from eMERGE| Ali Gharavi (Columbia)
4:50-5:10 p.m.	Making work visible for electronic phenotype implementation: Lessons learned from the eMERGE Network| Ning Sunny Shang (Columbia)
5:10-5:15 p.m.	Closing remarks | Rex Chisholm (SC Chair, Northwestern)
5:15 p.m.	**Adjourn**

*Please note that investigators are invited to attend any breakout session. Relevant Workgroups are suggested for reference.

Friday, October 4th, 2019

Venue: **The Hilton**, 1750 Rockville Pike, Rockville, MD, 20852

Meeting Room: Roosevelt/Madison

8:00-8:30 a.m.	Lite breakfast (open) | Executive session with ESP (Closed session; **Library**)
8:30-8:45 a.m.	Opening remarks | Robb Rowley (NIH/NHGRI) & Teri Manolio (NIH/NHGRI)
8:45-8:55 a.m.	Comments from ESP Chair | Howard McLeod (Moffitt Cancer Center)
8:55-9:15 a.m.	eMERGE Network overview: Priorities, goals, progress and ESP recommendations | Rex Chisholm (SC Chair, Northwestern)
9:15-10:20 a.m.	Panel: Discovery in eMERGE data - GWAS, Polygenic Risk Scores & PheWAS demonstrate a polygenic determination of vesicoureteral reflux | Miguel Verbitsky (Columbia) - Phenotype Associations of LPA variants differ by race: A phenome wide association study | Benjamin Satterfield (Mayo) - The clinical utility of predicted family histories for Mendelian and genetically complex forms of disease | Scott Hebbring (Marshfield)
10:20-10:40 a.m.	**Networking Break**
10:40-11:55 a.m.	Lessons learned panel: Impact of ROR on downstream analyses - Informing and harmonizing variant interpretation| Heidi Rehm (Partners/Broad), Iftikhar Kullo (Mayo), & Adam Gordon (Northwestern) - Return of results pathways, barriers, and harmonizing across sites |Ingrid Holm (BCH) & Iftikhar Kullo (Mayo) - Impact of ROR process on Outcomes assessment | Josh Peterson (VUMC/CC) & Marc Williams (Geisinger)
11:55-12:30 p.m.	**Working Lunch**
12:30-1:10 p.m.	Interim Data Analysis: Clinical Outcomes | Wendy Chung (Columbia), Christin Hoell (NU), Iftikhar Kullo (Mayo)
1:10-1:35 p.m.	Status of eMERGE FHIR Specification and Implementation Project | Larry Babb (P/B)
1:35-2:25 p.m.	Input/Feedback from the ESP, general discussion
2:25-2:30 p.m.	Closing remarks | Rex Chisholm (SC Chair, Northwestern)
2:30 p.m.	**Adjourn**
2:30-3:15 p.m.	Executive session with ESP (Closed session; **Roosevelt/Madison**)