

# BioCompute Objects Community Workshop

[GW Elliott School of International Relations, State Room](https://preview.tinyurl.com/BioCompute2018)

March 23, 2018

<https://preview.tinyurl.com/BioCompute2018>

Time	Agenda	Description
8:30 – 9:00	<b>REGISTRATION AND COFFEE</b> Part A –	
9:00- 9:15	<b>Welcome Remarks</b> – Carolyn Wilson, Raja Mazumder and Vahan Simonyan	
9:15 - 9:30	Report on what has been done (Vahan, Elaine, and Raja). BioCompute Specification Document	
9:30 - 9:45	Speaker 1 - IEEE - Carol C. Carey "IEEE standard development process"	
9:45 - 10:00	Speaker 2 - SBG - Dennis Dean "Platform-based advances and strategies for BioCompute enabled workflow exchange"	
10:00 - 10:15	Speaker 3 - Merck & Co - Jianchao (JC) Yao "The BioCompute Objects Journey at Merck"	
10:15 - 10:30	Speaker 4 - DDL - Nuria Guimera "DDL Athena NGS pipeline: viral drug resistance mutation analyses"	
10:30 - 10:45	Speaker 5 - Vahan Simonyan - FDA "BioCompute. What happens next...?" Next-Generation BioCompute-ing	
10:45 - 11:00	<b>COFFEE</b> Part B - PoC	
11:00 - 11:15	Speaker 6 - Otsuka PoC - Srikanth Gottipati "BioCompute objects for placebo-controlled microbiome studies in psychiatric disorders"	
11:15 - 11:30	Speaker 7 - FIND/C-Path. Matthew Ezewudo, Ken Ramey & Tim Rodwell "A Knowledgebase for Imputing Genomic Polymorphisms Associated with Drug Resistance"	

11:30 - 11:45	Speaker 8 - Elixir/EBI/BioExcel/Research Object PoC - Stian Soiland-Reyes “ <a href="#">Reproducible BioCompute Objects using Common Workflow Language - a metagenomics case study</a> ”
11:45 - 12:00	Speaker 9 - Medical Device Epidemiology (MDEpiNet) - Art Sedrakyan “Lessons Learned: MDEpiNet Public Private Partnership”
12:00 - 1:00	<b>LUNCH - On your own</b> <b>Part C - FAQ &amp; POC</b>
1:00 - 1:15	Speaker 10 - Harvard Medical School - Gil Alterovitz FHIR Genomics Integration
1:15 - 2:00	<p><b>Workshop setting.</b> Breakout into 5 groups and each team will focus on the primary topic and then how the primary topic will interact with others:</p> <p>A) <a href="#">BioCompute Security &amp; Privacy</a> -&gt; Vahan Simonyan &amp; Jason Travis</p> <p>B) <a href="#">BioCompute for Biological Databases/Data</a> -&gt; Tim &amp; Raja How can BioCompute be used to represent databases and data sets</p> <p>C) <a href="#">Engaging the Community for PPP</a> -&gt; Luke &amp; Ray Discuss values, need and engagement for PPP</p> <p>D) <a href="#">Leverage existing efforts to realize the BioCompute vision</a> -&gt; Stian &amp; Michael What existing standards, efforts, and specifications can contribute to the BCO vision?</p> <p>E) <a href="#">BCOs as executable objects</a> -&gt; Ken &amp; Dennis Integrating BCO with efforts such as CWL and automation</p>
2:00 - 3:00	Facilitators report back and participate in panel. What did they learn and what is missing? Next version of BCO spec
3:00 - 3:15	Coffee break
3:15 - 3:30	Speaker 11 - Deloitte - Public Private Partnership presentation/discussion
3:30 – 4:00	Open Letter to FDA, Data Science RFI, and Concluding Remarks; Discussion & Open Letter to FDA centers to adopt BCO

**4:00 – 4:30**

**Scheduling of one-on-one BCO support  
(need to sign-up)**

# BioCompute Objects Community Pre- Workshop Meeting

[Ross Hall, Room 737, 2300 I St NW, Washington, DC 20052, USA](https://www.government.com/locations/ross-hall)

March 22, 2018

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Time	Agenda Item
10:00 am - 11:30	<b>All PoC and BioCompute presentation Q&amp;A and dry run</b> <ol style="list-style-type: none"><li>1) Raja Mazumder &amp; Vahan Simonyan</li><li>2) Dennis Dean</li><li>3) JC Yao</li><li>4) Nuria Guimera</li><li>5) Srikanth Gottipati</li><li>6) Tim Rodwell, Matthew Ezewudo, Ken Ramey</li><li>7) Stian</li><li>8) Gil</li></ol>
11:30 -12:00	<b>RFI</b>
12:00 - 1:00	<b>Lunch - Provided by GW!</b>
1:00 - 1:30	<b>Carole Carey - IEEE standards</b>
1:30 - 2:30	<b>PPP discussions - Deloitte/BCO Consortium</b>
2:00 - 2:30	<b>Letter to FDA</b>
3:00 - 4:00	<b>Technical Spec Update session</b>