

## Department of Systems Biology Annual Retreat & CaST Center Site Visit

October 5<sup>th</sup> 2018

Wave Hill

(<https://www.wavehill.org/>)

### Agenda

<b>8:00-8:30</b>	<b>Breakfast</b>
<b>8:30 – 8:45</b>	<b>Welcome and department update (Andrea Califano/Barry Honig)</b>
<b>8:45 – 9:45</b>	<b>CaST Project 1: <i>Elucidating the regulatory logic that is responsible for maintaining cancer cell state</i></b> ( <i>Speakers: Diana Murray, Evan Paull/Jeremy Worley, Kenneth Olive</i> )
<b>9:45 – 10:00</b>	<b>Break</b>
<b>10:00-11:00</b>	<b>CaST Project 2: <i>Elucidating time-dependent mechanisms of genetic and epigenetic reprogramming of individual cancer cells</i></b> ( <i>Speakers: Raul Rabadan, Peter Sims, Andrea Califano</i> )
<b>11:00 – 12:00</b>	<b>CaST Project 3: <i>Developing novel methodologies for the systematic prioritization of compounds and compound combinations capable of abrogating tumorigenesis in vivo</i></b> ( <i>Speakers: Barry Honig, Andrea Califano, Nick Tatonetti</i> )
<b>12:00 – 12:20</b>	<b>CaST Pilot Projects:</b> <ul style="list-style-type: none"> <li>○ <b>Michael Shen:</b> <i>Single-cell analysis of drug response in patient-derived bladder tumor organoids</i></li> <li>○ <b>Zhaoqi Liu:</b> <i>Understanding the regulation and function of p53-regulated long non-coding RNAs in pancreatic ductal adenocarcinoma</i></li> </ul>
<b>12:20 – 14:15</b>	<b>Lunch &amp; posters</b>
<b>14:15 – 15:15</b>	<b>Afternoon Session I (all presentations 15 mins + 5 mins for Q&amp;A):</b> <ul style="list-style-type: none"> <li>○ <b>Laura Landweber:</b> <i>Programmed genome rearrangement in the ciliate <i>Oxytricha</i></i></li> <li>○ <b>Harmen Bussemaker:</b> <i>The mammalian transcription factor ZNF274 is a key antagonist of FOXO3A</i></li> <li>○ <b>Tuuli Lappalainen:</b> <i>Using allelic expression to quantify regulatory variation and improve genetic diagnosis</i></li> </ul>
<b>15:15 – 15:30</b>	<b>Break</b>
<b>15:30– 16:30</b>	<b>Afternoon Session II (all presentations 15 mins + 5 mins for Q&amp;A):</b> <ul style="list-style-type: none"> <li>○ <b>Cory Abate-Shen:</b> <i>Of mice and men: Learning about human prostate cancer by studying mouse models</i></li> <li>○ <b>Chaolin Zhang:</b> <i>Learning from single-nucleotide resolution maps of the RNA world</i></li> <li>○ <b>Sagi Shapira:</b> <i>Using systems approaches to fight viruses</i></li> </ul>
<b>16:30 – 16:35</b>	<b>Closing remarks &amp; best poster award (Andrea Califano/Barry Honig)</b>
<b>16:35 – 17:00</b>	<b>Short presentations by poster winners</b>
<b>17:00 – 18:00</b>	<b>Wine reception</b>