Starr Cancer Consortium Retreat
Cold Spring Harbor Laboratory, April 30 – May 1, 2018
Monday, April 30, 2018

9:00 – 11:00 am  Attendee Arrival and Check In (Grace Auditorium Lobby)

11:00 am  Welcome and Opening Remarks (Grace Auditorium)
Bruce Stillman
President
Cold Spring Harbor Laboratory

11:10 am – 12:30 pm  Plenary Session (Grace Auditorium)
Chairs: Bruce Stillman & Craig Thompson

11:10 am  1 Praveen Raju  Circulating Exosomal microRNA as Biomarkers of Medulloblastoma Progression, Metastasis, and Recurrence

11:30 am  2 Michael Kharas  Translation Regulation in Acute Myeloid Leukemia

11:50 am  3 Hans-Guido Wendel  Exploring the eIF4A RNA Helicase as a New Cancer Drug Target

12:10 pm  4 Sanford Simon  Creation of Mouse Models for Fibrolamellar Hepatocellular Carcinoma

12:30 – 2:00 pm  Lunch (Blackford Hall)

2:00 – 3:20 pm  Plenary Session (Grace Auditorium)
Chairs: Todd Golub & Richard Lifton

2:00 pm  5 Marco Seandel  The Paternal Germline as a Source of de novo Cancer Risk in Offspring

2:20 pm  6 Ethel Cesarman  Elucidating the Etiologic Role of Linker Histone Mutations in Hematologic Malignancy

2:40 pm  7 Jun Qi  Targeting the Chromatin Reader Protein TRIM33 as Epigenetic Therapy in B Cell Neoplasms

3:00 pm  8 Alexander Meissner  Discovery of Epigenetic Drivers of Tumor Evolution
3:20–4:10 pm  
**First Poster Session (With Coffee Break)**  
(Grace Lobby & Patio)

4:10 – 5:10 pm  
**Plenary Session**  
Chairs: David Spector & Joan Massagué  
(Grace Auditorium)

4:10 pm  
9  
Samie Jaffrey  
*A Massively Parallel Protein Synthesis Platform for Functional Screening of Cancer Proteomes*

4:30 pm  
10  
Taha Merghoub  
*Personalized Immunotherapy for the Treatment of Hematological Malignancies*

4:50 pm  
11  
Gabriel Victora  
*Tracking T Cell-Antigen Presenting Cell Contacts within Tumors in vivo*

5:30 – 6:00 pm  
**Wine and Cheese Reception (Posters available)**  
(Grace Patio)

6:00 – 7:00 pm  
**Banquet Dinner**  
(Mayr Dining Room, Blackford Hall)

7:10 – 8:10 pm  
**Plenary Session**  
Chairs: Richard Lifton & Todd Golub  
(Grace Auditorium)

7:10 pm  
12  
Alex Kentsis  
*Epigenetic Control of DNA Transposition in Embryonal Cancers*

7:30 pm  
13  
David Solit  
*Patient-Driven Molecular Characterization of Rare and Refractory Germ Cell Tumors*

7:50 pm  
14  
Teng Han  
*Investigating Cancer-Associated Structural Genomic Rearrangements Using in vivo Genome Editing*

8:10 pm  
15  
John Maciejowski  
*Telomere Crisis and Chromosome Shattering in Cancer*

*End of Day One*
Tuesday, May 1, 2018

8:50 – 9:50 am  
**Plenary Session** (Grace Auditorium)
Chairs: Craig Thompson & David Spector

8:50 am  
16  
Je H. Lee  
*Translating Molecular Profiles into Clinical Biomarkers Using Spatially Defined RNA Sequencing in situ*

9:10 am  
18  
Christopher Park  
*Identifying RNA-Binding Proteins as a Novel Class of Therapeutic Targets in Glioblastoma Cancer Stem-Like Cells*

9:30 am  
19  
Leonard Zon  
Charles Sawyer  
*Transcriptional Reprogramming Drives Cancer Cell Heterogeneity and Drug Resistance*

9:50 – 10:40 am  
**Second Poster Session (With Coffee Break)** (Grace Lobby & Patio)

10:40 – 12:00 noon  
**Plenary Session** (Grace Auditorium)
Chair: Joan Massagué & Bruce Stillman

10:40 am  
20  
Younma Kfoury  
*Dissecting Micro-Environmental Contributions to the Pathogenesis of Myelodysplastic Syndromes*

11:00 am  
21  
Richard White  
*An in vivo CRISPR Screen for Melanoma Progression in Zebrafish*

11:20 am  
22  
Sara Parsa  
*Dissecting SHMT2 Function as a Metabolic Driver of Lymphomagenesis*

11:50 am  
**Closing Remarks**  
Executive Committee

12:00 pm – 1:00 pm  
**Attendee Departure - Lunch Available**
**Poster Presentations**

Posters will be displayed for the duration of the Retreat. Posters will be presented in two poster sessions. Each poster’s presenter will be available at his/her poster during the assigned session. Session assignments are listed in the right-hand column.

Session 1: Monday, April 30th; 3:20 – 4:10 pm
Session 2: Tuesday, May 1st; 9:50 – 10:40 am

<table>
<thead>
<tr>
<th>Abstract</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 Gina Lee Hong-Wen Tang</td>
<td><strong>Biochemical and Genetic Investigation of Oncogenic TOR-dependent Regulation of RNA Metabolism and Tumorigenesis using Cross-species Approaches</strong></td>
</tr>
<tr>
<td>24 Yuanming Cheng</td>
<td><strong>The mRNA Methylation Program in Leukemia</strong></td>
</tr>
<tr>
<td>25 Ahmet Zehir</td>
<td><strong>Clonal Hematopoiesis as a Driver of Adverse Clinical Outcome</strong></td>
</tr>
<tr>
<td>26 Coraline Mlynarczyk</td>
<td><strong>Defining the Cellular Origin and Mechanistic Basis for Therapy Resistant B-cell Lymphomas</strong></td>
</tr>
<tr>
<td>27 Sanjeethan Baksh</td>
<td><strong>Dissecting the Metabolic Regulation of Tumor Initiating Stem Cells</strong></td>
</tr>
<tr>
<td>28 Rona Yaeger</td>
<td><strong>Defining Key Genomic Alterations in the Carcinogenesis of Colitis-associated Cancers</strong></td>
</tr>
<tr>
<td>29 Lisa Giulino Roth</td>
<td><strong>Modulation of Viral Latency in EBV-associated Lymphomas as a Mechanism to Sensitize Tumors to EBV-directed Cellular Therapy</strong></td>
</tr>
<tr>
<td>30 Gadi Lalazar Patrick Bhola</td>
<td><strong>High Throughput Identification of Apoptosis Sensitizing Compounds in Fibrolamellar Hepatocellular Carcinoma</strong></td>
</tr>
<tr>
<td>31 Xiaotong Yao</td>
<td><strong>Deciphering Signatures of Broken DNA Repair Pathways in Long-range Cancer Whole Genome Sequences</strong></td>
</tr>
<tr>
<td>Number</td>
<td>Author</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>32</td>
<td>Dawid Nowak</td>
</tr>
<tr>
<td>33</td>
<td>Delia Tomoiaga</td>
</tr>
<tr>
<td>34</td>
<td>David Liu</td>
</tr>
<tr>
<td>35</td>
<td>Akihide Yoshimi</td>
</tr>
<tr>
<td>36</td>
<td>Mohammad Alinoor Rahman</td>
</tr>
<tr>
<td>37</td>
<td>Roberta Zappasodi</td>
</tr>
<tr>
<td>38</td>
<td>Takashi Onikubo</td>
</tr>
<tr>
<td>39</td>
<td>Nevin Yusufova</td>
</tr>
<tr>
<td>40</td>
<td>Kamini Singh</td>
</tr>
<tr>
<td>41</td>
<td>Aleksey Chudnovskiy</td>
</tr>
<tr>
<td>42</td>
<td>Diu Nguyen</td>
</tr>
<tr>
<td>43</td>
<td>Sylvie Le Blancq</td>
</tr>
<tr>
<td>44</td>
<td>Julie Behr</td>
</tr>
<tr>
<td>45</td>
<td>Sara Parsa</td>
</tr>
<tr>
<td></td>
<td>Maurizio Fazio</td>
</tr>
<tr>
<td>---</td>
<td>---------------</td>
</tr>
<tr>
<td></td>
<td>Steven Chung</td>
</tr>
</tbody>
</table>