**Overviews of CSBC & PS-ON Working Groups**

**Brain Tumor:** <https://www.synapse.org/#!Synapse:syn9728231/wiki/424936>

* + The goal of the Brain Tumor Working Group is to utilize expertise and outputs of PS-ON and CSBC to alter how patients with malignant brain tumors are managed
  + Immediate questions being addressed by the group are: Can we determine why clinical trials in glioma failed (post hoc)? Can we learn from this to design trials that collect the appropriate data (prospective)? Can the PS-ON and CSBC engage other NCI-supported consortia to contribute?
  + Monthly meetings on first Fridays at 2-3 PM ET.

**Single Cell RNA seq:** <https://www.synapse.org/#!Synapse:syn11857287/wiki/513730>

* + The goal of this working group is to identify cross-cutting themes and challenges across the CSBC and PS-ON project to overcome any issues arising from this fast-changing technology
  + Current WG projects include determining a CSBC/PS-ON standardized workflow for scRNA-Seq metadata and pursuing the construction of a tumor immune cell single-cell compendium
  + Biweekly meetings on Wednesdays at 2-3 PM ET.

**Protein-Protein Interactions:** <https://www.synapse.org/#!Synapse:syn12299432/wiki/551278>

* + The goal of this group is to share tools and resources for studying protein-protein interactions.
  + The WG is currently brainstorming joint projects across the CSBC and PS-ON that will combine the current efforts in incorporating protein-protein interactions in network models and analysis of complex systems
  + Monthly meetings on last Tuesdays at 4-5 PM ET

**Tumor Deconvolution:** <https://www.synapse.org/#!Synapse:syn15589870/wiki/582446>

* + The goal of this group is to provide a platform and challenge to benchmarks tools that deconvolve bulk tumor RNA-seq samples.
  + Current efforts are focused launching a challenge to evaluate computational methods used to deconvolve bulk expression data, reflecting a mixture of cell types, into individual immune components. Methods will be assessed based on *in vitro* and *in silico* admixtures specifically generated for this Challenge.
  + Biweekly meetings on Wednesdays at 12- 1pm ET.

**Image Analysis:** <https://www.synapse.org/#!Synapse:syn15666741/wiki/583012>

* + This group is focused on sharing and benchmarking tools and methods and tackling common challenges in image data analysis.
  + This is a new WG that aims to share best practices for image data analysis, including addressing challenges in data storage and sharing, image segmentation, and the combination of image data and other data types
  + Monthly on 3rd Thursdays ET at 2-3 pm ET.

**PS-ON Education and Outreach:** <https://www.synapse.org/#!Synapse:syn7080714/wiki/515919>

* + Education and Outreach Core leads from PS-ON Centers discuss opportunities for education and outreach of Physical Sciences-Oncology concepts to the cancer research community and the public.
  + Some U01s have a postdoc serving on the WG
  + Quarterly meetings on first Thursdays at 1-2 PM ET.

**CSBC Education and Outreach:** <https://www.synapse.org/#!Synapse:syn7421740>

* + Education and Outreach Core leads from CSBC Centers discuss opportunities for education and outreach of CSBC concepts to the cancer research community and the public.
  + The CSBC EOWG has led the development of the miniDREAM summer challenge in 2017 and 2018
  + Monthly meetings on Tuesdays at 2-3 PM ET.

**Resource and Data Sharing:** <https://www.synapse.org/#!Synapse:syn7080714/wiki/515918>

* + PS-ON and CSBC investigators (and some postdocs) discuss best practices for data sharing among their own teams, within each program, across programs and beyond.
  + In 2018 RDS-WG meetings were focused on the sharing of experimental and analysis tools through scientific presentations to the CSBC and PS-ON. Presentations from the monthly meetings that demonstrate ongoing work within each U54 and U01 can be found on Synapse.
  + Monthly meetings on Tuesdays at 2-3 PM ET.

**Patient Advocacy:** <https://www.synapse.org/#!Synapse:syn7080714/wiki/470476>

* + PS-ON patient advocates (mainly serving with PS-ON Centers) discuss their roles in disseminating information about Physical Sciences-Oncology to the cancer community and the public.
  + Bi-monthly meetings on fourth Thursdays at 3-4:30 PM ET.