

## 2022 SITC-NanoString Technologies Single Cell Spatial Biology Award

**Overview:** This award supports the most impactful proposal in cancer immunotherapy research with the ability to discover spatial biomarkers using the latest single cell spatial imaging chemistry. The award is co-sponsored by NanoString and SITC. NanoString will enable one project to include high-plex, single cell, spatial biology using the CosMx™ Spatial Molecular Imager. The support will allow the awardee to complete this project which includes up to four slides, with 20 FOV/slide. This project will use a 1000 plex human IO RNA panel. The sample type will be FFPE tissue, fresh cut slides. The content of the panel is suitable for performing cell typing, and studying proximal and distal cell-cell interactions.

The awardee will be invited to a virtual meeting with Nanostring's leadership and scientific teams. NanoString will be responsible for the shipment of samples between the awardee's institution and the NanoString facility.

**Eligibility:** To be eligible for this award, applicants must:

- Hold a PhD degree (practicing physicians are not eligible to apply)
- Currently hold a position at an academic cancer center as a postdoctoral fellow, resident, research scientist or comparable position
- Be a SITC member in good standing at time of submission (i.e., current in dues)
- Name a pre-arranged mentor
- Submit a letter of recommendation from the mentor along with the application
- Commit 75% of their workday to research

**Application Process:** Applicants will submit a completed application through an online portal, which will include:

- Applicant information
- Research Aims
- Potential Impact of Technology on Research
- Sample Information

**Review & Selection:** Selection is made by the SITC Awards Review Committee, and applications are scored on the NIH scoring scale. Applications will be notified via email of their application's acceptance or decline within 7-10 weeks of the application deadline.

Upon acceptance, NanoString and the award recipient will meet virtually to define the work plan, coordinate sample submission, and discuss the technology and data analysis review.

**Terms:**

Receipt of this award does not preclude the applicant from obtaining grant support from other sources. Support from **SITC-NanoString Technologies Single Cell Spatial Biology Award** is to be acknowledged in presentations and publications resulting from the research sponsored by the award.

- This award is nontransferable.
- The award recipient is directly responsible as an employee to the supporting academic institution. The sponsoring institution is responsible for documenting their role in terms of supporting the education and research efforts as well as providing adequate research capacity, including space and equipment, for the award.
- SITC may discontinue the award if it is documented that the purpose or the terms of the award are not being fulfilled. In this event, the recipient will be notified in writing of this determination, the reason, and the effective date.
- The recipient must submit a final report to SITC detailing their experience working with NanoString, the impact of the CosMx™ SMI, and the progress made on their research as a result of receiving the award.

**Reporting:**

**SITC will request periodic reports from the awardee, which may include:**

- Original specific aims of project (updated if the aims have changed)
- Synopsis of research progress to date
- Summary of the recipient's experience visiting and working at the NanoString campus
- The impact of the CosMx™ technology on the recipient's research
- Abstracts or other publication resulting from the research project (please provide copy)
- Any funding which resulted from the studies performed in this research project (title of grant, PI, amount, duration, and agency)

**Diversity & Inclusion Statement:**

In SITC's continued efforts to promote diversity and inclusion, SITC will be following the NIH's Statement on Diversity, as well as their Underrepresented Populations in the U.S Biomedical, Clinical, Behavioral and Social Sciences Research Enterprise recruitment plans for the Named Postdoctoral Cancer Immunotherapy Fellowships.

### **Summary/Outline of Online Application:**

The application will be organized and submitted on SITC's Online Technology Award Scorecard, as outlined below:

#### **I. Applicant Information**

Applicant will provide their contact information and a description of their professional role and institution.

#### **II. Research Aims**

Applicant will describe the research questions they are looking to answer with help from the award in 500 words or less.

#### **III. Potential Impact of Technology on Research**

Applicant will describe how use of CosMx™ Spatial Molecular Imager (SMI) will enhance their research with respect to their identified research aims.

#### **IV. Sample Information**

Applicant will provide description of samples they intend to use and confirm access to the samples.

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### **Technology Use Verification**

In addition to the application packet, candidates will be asked to complete short answer questions on the use of technology to verify their research can be applied.

- I. Describe the research questions you are looking to answer with help from this award** (short answer, 500 word limit)
- II. How will use of the CosMx™ Spatial Molecular Imager enhance your research?** (short answer, 250 word limit)
- III. Please indicate the species you will be working with for this project.**
  - a. Human (only acceptable type for this award)
- IV. Please advise on sample availability**
  - a. In my possession
  - b. Will be available in one month
  - c. Will be available within 2 months
  - d. Other (option to type)
- V. Please confirm you will adhere to the enclosed timeline if your application is selected.**

- VI. As a condition to receiving the award, the recipient's institution must agree in writing to [NanoString's standard terms and conditions](#) for sample testing services. At this time, as part of the application submission, applicants must confirm they have acquired the necessary permissions from their legal and other applicable personnel to submit this application and that the institution personnel have confirmed they will agree in writing to the program terms and conditions should the application be selected.**
- VII. I confirm I have acquired the necessary permissions from my institution such that if my application is selected, the appropriate representatives from my institution will agree in writing to the terms and conditions.**