**Proposal for collaboration with the Center for Advanced Tissue Imaging (CAT-I)**

**Project Title:**

**Principal Investigator Information:**

Name:

Laboratory/Branch/Department:

Institute/Institution/Company:

Address:

Office Phone: Cell Phone:

Email: Fax:

Shipping Address (if different from above address):

Person to Contact beside PI:

Laboratory/Company Dept. URL:

**Project Information:**

New study (Y/N): Addition to existing study (Y/N): Proposed start date:

Origin of samples:

Mouse (Y/N): NHP (Y/N): Human (Y/N):

If animal origin, provide ASP information:

If human origin, attach full protocol including consent to use tissue for research purposes

Estimated number of samples per donor and number of donors:

Tissue type and location:

Method of preservation (frozen, CAT-I fixation, FFPE):

Final buffer or material samples were embedded in (PBS, OCT, paraffin):

Are the samples already available (Y/N)?

If yes, specify date(s) of sample collection:

If no, over what time period will they be collected and are data needed on samples as they are collected or can they be batch processed after collection is complete? [Note: batch processing will produce more reliable, comparative results among the samples]

Shipping Method (dry ice or ice pack):

**Analyses to be performed:**

Thin (<30μM) sections (Y/N):

Volume imaging (Y/N and desired thickness, up to 4 mm):

Number of sections or volume slices required per tissue sample for adequate coverage (consult with CAT-I staff):

Cell types to be examined

(e.g., CD3+CD4+CD28+CD45RA+ T cells; CD83+CD80/86+MHCII+ DC; EpCAM+ Her2/Neu+ breast carcinoma):

Panel of antibodies to be used together for a section or a volume specimen

(for sections, panels may be up to 12 specificities; for volume imaging, up to 8)

Please refer to CAT-I website (*http://xxxxx*) for a list of validated antibodies to target antigens and pre-tested panels. If an existing panel or set of panels to be used on adjacent sections meets your needs, list the panel IDs here:

If the specificities exist on the CAT-I list but are not grouped in a pre-tested panel, list desired staining panel here using clone IDs from the CAT-I list:

If there are no CAT-I validated antibodies to target antigens of interest, list the antigens here and provide the following information about each:

Have you stained cells from dissociated tissues with antibodies to the antigen for flow cytometry? If yes, list the clone number, conjugate type, and source, as well as if you have used the antibody with fixed or permeabilized cells:

Have you stained tissue samples with antibodies to the antigen for histochemistry? If yes, list the clone number, conjugate type, and source, as well as how the sample was fixed/prepared (e.g., FFPE; antigen recovery method, direct or indirect IHC):

**Staff capabilities:**

Do you have a staff member with experience in or suitable for training in section preparation, staining, and confocal image collection?

Do you have a staff member suitable for training in data processing?

**Abstract of project:**

**Description of project (3 page maximum):**

(Please include relevant preliminary data, initial concept for publication of the study, and time line of project completion)