BIOGRAPHICAL SKETCH

NAME: **TANIA PANNELLINI, M.D.**

eRA COMMONS USER NAME(credential, e.g., agency login): TANIA\_PANNELLINI

POSITION TITLE: Assistant Professor

EDUCATION/TRAINING

| INSTITUTION AND LOCATION | DEGREE | Completion Date | FIELD OF STUDY |
| --- | --- | --- | --- |
| G. d’Annunzio University, Chieti, Italy | M.D. | 07/2000 | Medicine |
| G. d’Annunzio University, Chieti, Italy | Resident | 04/2004 | Anatomic Pathology |
| G. d’Annunzio University, Chieti, Italy | Post-Doc | 05/2009 | Experimental Pathology |
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**Personal Statement**

I’m a pathologist with experience in diagnosis and research, with a particular interest in digital pathology.

**Positions and Employment**

2012-2017 Anatomic and Surgical Pathologist, Cardinal Massaia Hospital, Asti, Italy.

2010-2012 Anatomic and Surgical Pathologist, Santa Croce e Carle Hospital, Cuneo, Italy.

**Scientific Appointments:**

**2021-present, Assistant Professor, Department of Pathology,** Weill Cornell Medical College, New York, NY.

* 1. **Instructor, Research division, Hospital for Special Surgery,** New York, NY.

**Scientific interests**

**Histological analysis in mouse models of tumors and immune diseases.**During my PhD and as a experimenthal pathologist at Hospital for Special Surgery I performed histological assessment in mouse models of inflammatory bowel disease, asthma, lupus, inflammatory and mechanical osteoarthritis, meniscal deterioration, intervertebral disk herniation, anti-caner DNA vaccines for breast, prostate, skin cancer.

**Pathological consultation in translational research.**

I worked as research dedicated pathologist at Hospital for Special Surgery, which is #1 US hospital for orthopedics and rheumathology. I established a valid work flow to procure fresh or archival tissue samples for clinical studies. To validate findings generated by single cell based assays, like Single cell RNASeq, 10x and flow cytometry, I deployed IHC and IF staining on tissue matched samples and obtained quantified results from digitalized images. Our focus at Hospital for Special Surgery was degenerative pathology of the knee, knee prosthetic replacement, and rheumatoid arthritis.

**Digital pathology and multiparametric in situ imaging.**

**For the last 11 months I’ve been running the Multiparametric In situ Imaging (MISI) core lab at Weill Cornell Medicine; this lab is a brunch of** The Center for Translational Pathology (CTP), an expanding project aimed to provide investigators with high quality, and cost-effective tissue-based and clinical laboratory assays, consultative pathology services, mouse models and advanced cellular therapeutics for basic, translational, and clinical research**. My team is specialized in multiplex IF assays and deep spatial transcriptomic profiling technologies, geared towards i**n situ-based profiling of cellular microenvironments, in hematological and solid tumors, but also pediatric lupus and gliomas.