

Archival Case Retrieval

- **Archived Material** (Clinical cases)

from Department of Pathology /UAB

- ✓ Glass slides (H&E stained)
- ✓ Paraffin blocks

Required

- IRB approved protocol
- UAB account number
- Submit e-Request forms to Dr. Anna Yemelyanova, ayemelyanova@uabmc.edu for approval (MUST affiliate with an attending pathologist from the Dept. of Pathology!)
 - ✓ Archival Case Retrieval Form
 - ✓ AP Research Request Form (services on retrieved tissue blocks)
 - ✓ **TMA request, contact Lab Manager, Dezhi Wang, at dezhiwang@uabmc.edu.**
- Translational Lab staff will pull the cases and send them along with the report to Clinic Lab supervisor, Debra Early dearly@uabmc.edu. Debra will contact you for pick-up. (You may also contact Debra for the request forms)



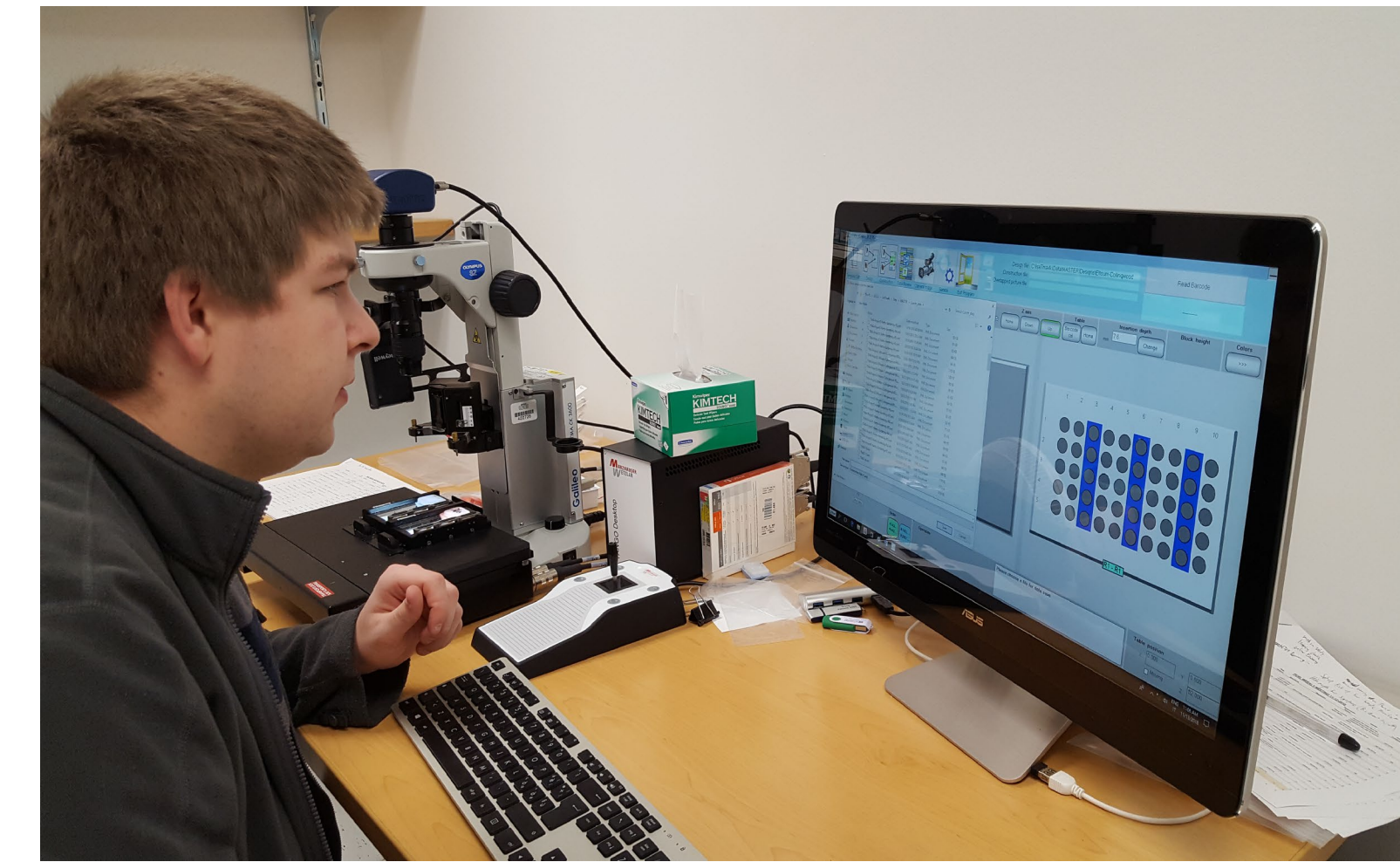
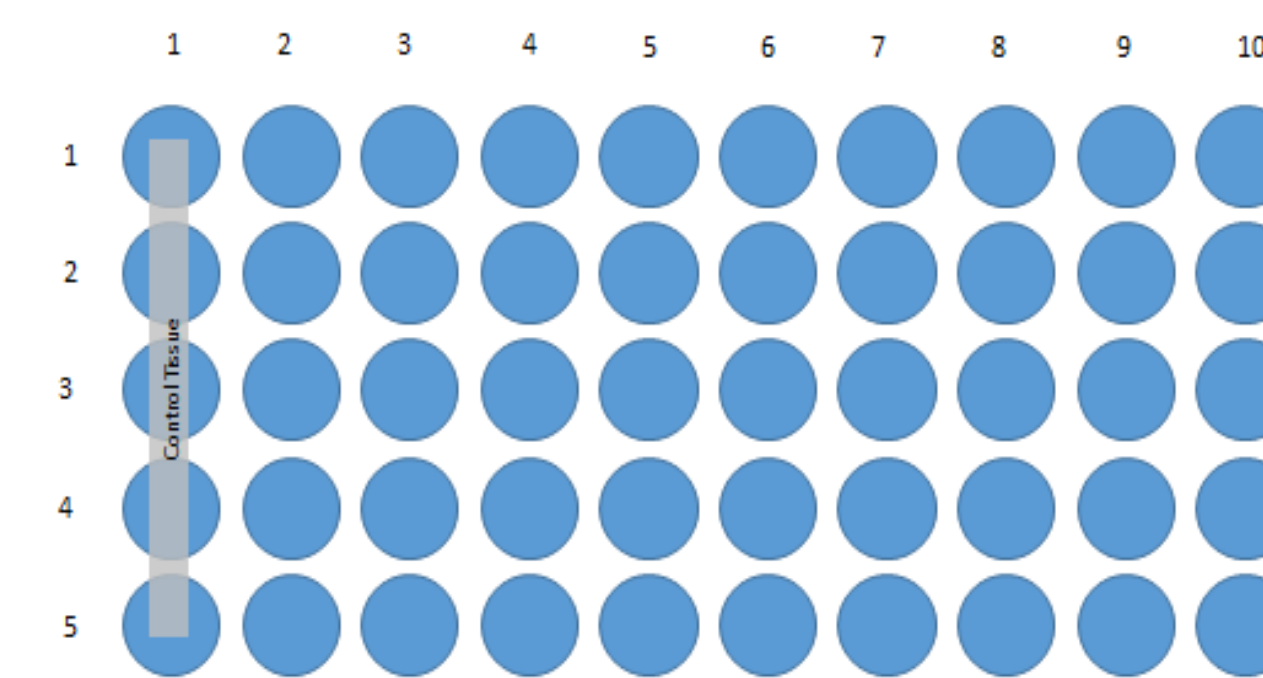
Tissue Micro-Array / TMA Service

- **TMA advantages**

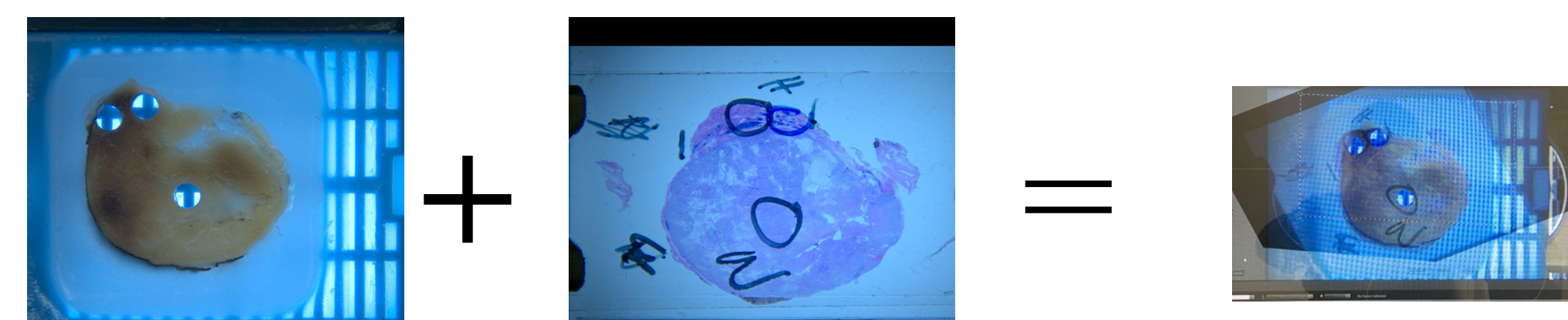
- ✓ High-throughput application
- ✓ Conserve primary antibody usage
- ✓ Same experimental conditions

- **Galileo TMA CK3600 Tissue Arrayer**

- ✓ Semi-automatic open system
- ✓ Computer driven, Motorized stage
- ✓ Wide range of needle size (2 mm offered at present)
- ✓ 50 cores per recipient block (5 rows X 10 columns)
- ✓ Digital overlapping system for accurate core alignment/selection

Map design

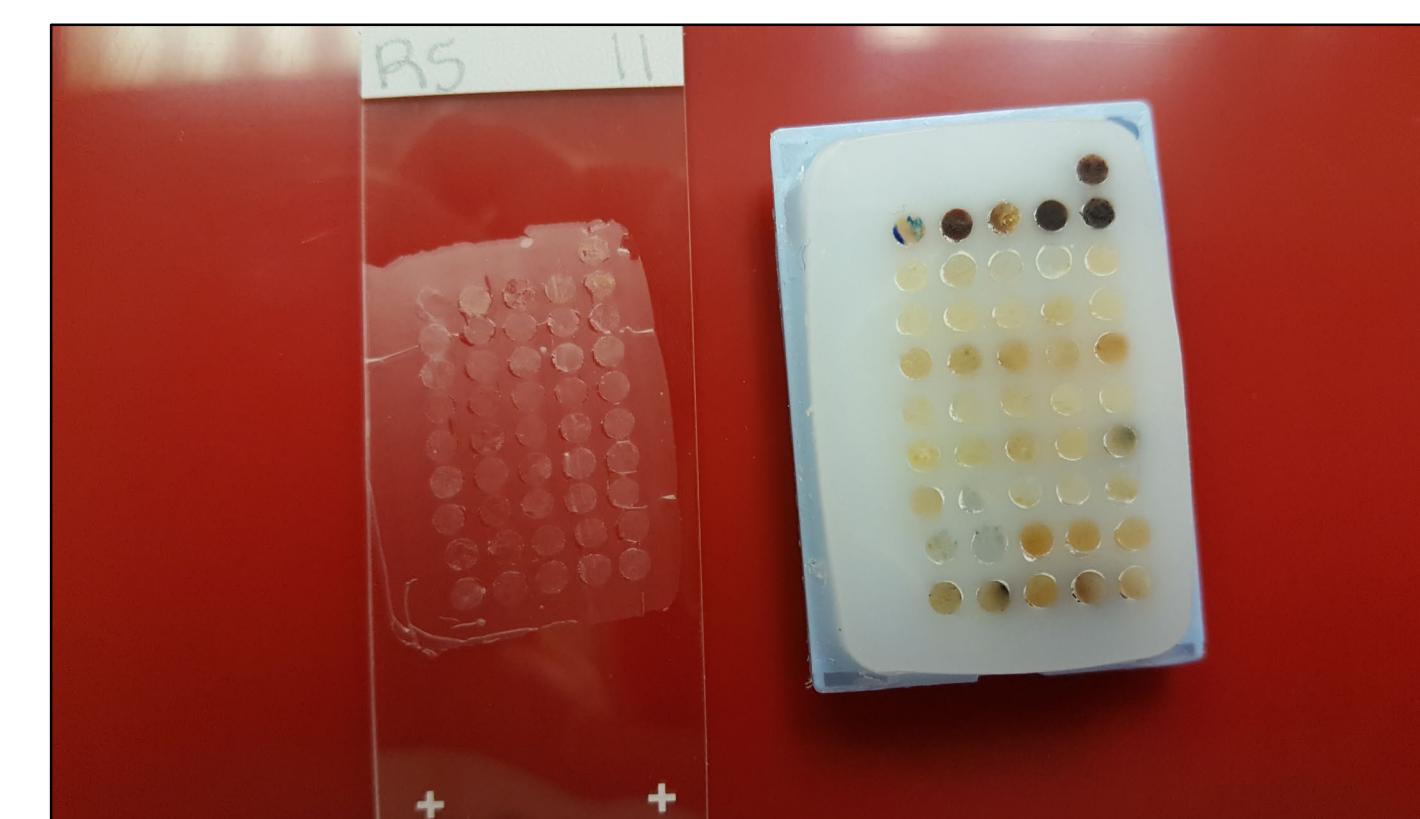


Digital overlapping



Tissue Micro-Array - sample Map & recipient block

	COLUMN 1	2	3	4	5	6	7	8	9	10
1	Donor3 Control Liver	Donor6 S-16-0012738-G42	Donor8 S-15-0013873-B23	Donor10 S-15-0000175-88	Donor12 S-18-001855-A11	Donor14 S-15-0014535-A21	Donor17 S-18-0000148-C21	Donor19 S-17-0012068-D28	Donor21 S-18-0012928-B28	
2	Donor1 Control Spleen	Donor6 S-16-0012738-G42	Donor8 S-15-0013873-B23	Donor10 S-15-0000175-88	Donor12 S-18-001855-A11	Donor14 S-15-0014535-A21	Donor17 S-18-0000148-C21	Donor19 S-17-0012068-D28	Donor21 S-18-0012928-B28	
3	Donor2 Control Thyroid	Donor6 S-16-0012738-G42	Donor8 S-15-0013873-B23	Donor10 S-15-0000175-88	Donor12 S-18-001855-A11	Donor14 S-15-0014535-A21	Donor17 S-18-0000148-C21	Donor19 S-17-0012068-D28	Donor21 S-18-0012928-B28	
4	Donor4 Control Placenta	Donor7 S-16-0012738-G16	Donor9 S-15-0013873-B29	Donor11 S-15-0000175-817	Donor13 S-18-001855-A14	Donor15 S-15-0014535-A33	Donor18 S-18-0000148-C16	Donor20 S-17-0012068-D23	Donor22 S-18-0012928-B21	
5	Donor5 Control Tonsil	Donor7 S-16-0012738-G16	Donor9 S-15-0013873-B29	Donor11 S-15-0000175-817	Donor13 S-18-001855-A14	Donor15 S-15-0014535-A12	Donor18 S-18-0000148-C16	Donor20 S-17-0012068-D23	Donor22 S-18-0012928-B21	



Histology services

- **Histology on retrieved archival blocks**

- ✓ **For routine histology:**
 - Block sectioning/ unstained slides
 - Histochemical stains
 - Immunohistochemistry (IHC)
 - ❖ Antibodies validated in the AP pathology lab (contact Anna M Posey, amposey@uabmc.edu)
 - ❖ IHC staining in Translational Lab: validation of new antibodies
- ✓ **For TMA procedure**
 - ❖ Archival donor blocks
 - ❖ Each donor block should have a matched H&E slide (retrieved) for the core selection
 - ❖ Circle the area (~2mm diameter) on the H&E slide to indicate focus/core to-be-transferred to the recipient block (performed by the affiliated pathologist)
 - ❖ TMA build done by the lab

Lab Location:

LHRB B37 (basement), 1919 7th Avenue S. (same location as Pathology Core Research Lab)

Contact Information:

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