

Sarah Sacco '16

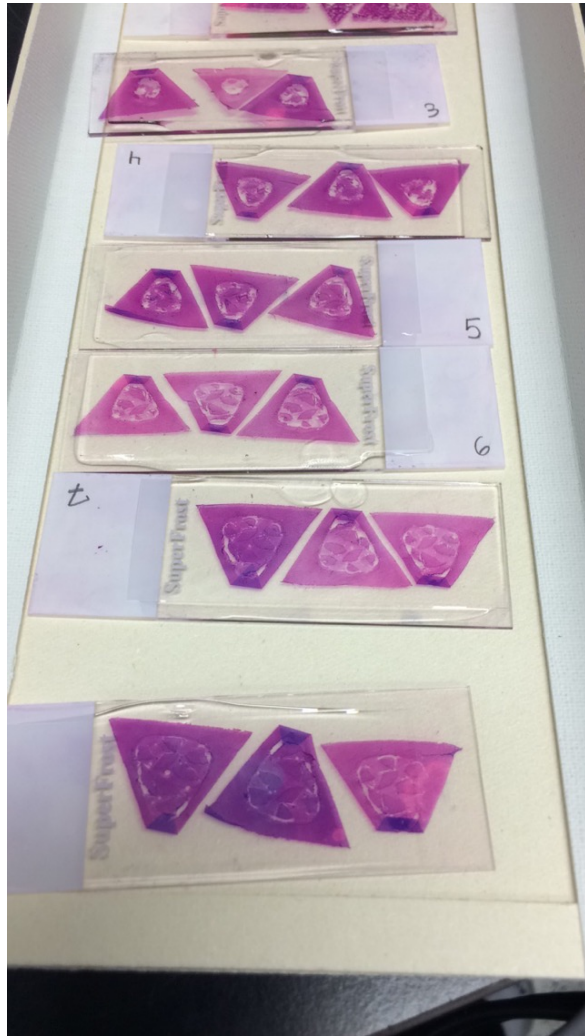
School of Chemistry, University of
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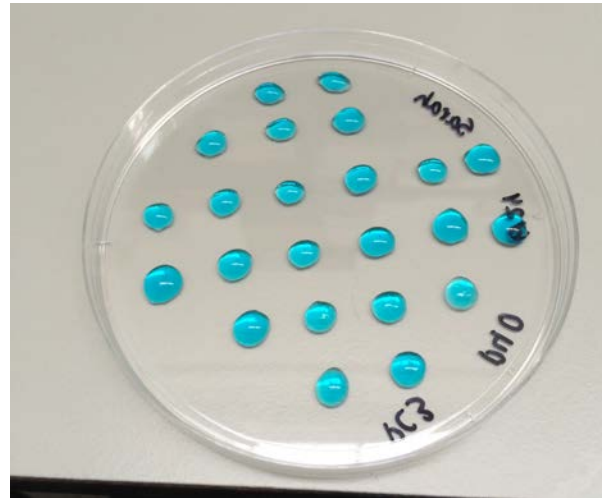


Project Overview

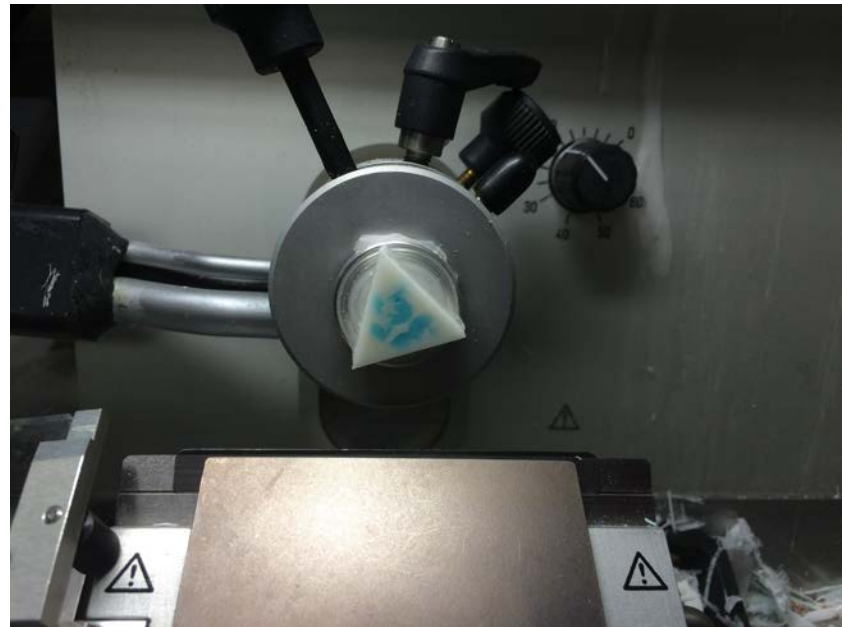
- Goal: Optimize sectioning procedure for MALDI imaging of MTS
- Why?
 - MTS are better models of *in vivo* tumors than 2D cultures
 - MALDI imaging can provide spatial distributions of metabolites



H&E stained slides



MTS embedded
in colored
gelatin



Gelatin block of MTS on the cryotome

Rewarding Experiences

- Learning new lab skills and how to use instruments
- First-hand experience of what its like to be a grad student
- Achieving all the goals set out at the beginning of my work
- Traveling around Scotland and Europe

Future Research

- Now, we have a reproducible procedure for sectioning MTS and prepping them for MALDI analysis
- This fall, a PhD student will take what I did over the summer and use it to study the metabolism of tumors

My Future

- Solidified my plans to go to grad school and get my PhD
- Gained experience in a new field that I would like to possibly do my PhD in
- Learned techniques that will be useful for thesis lab work











Acknowledgements

Thank you to Dr. Colin Campbell, Dr. Logan Mackay, and Vicky Camus for all the help with my project.

Thank you to IIP for this amazing opportunity!