

Translational Research:

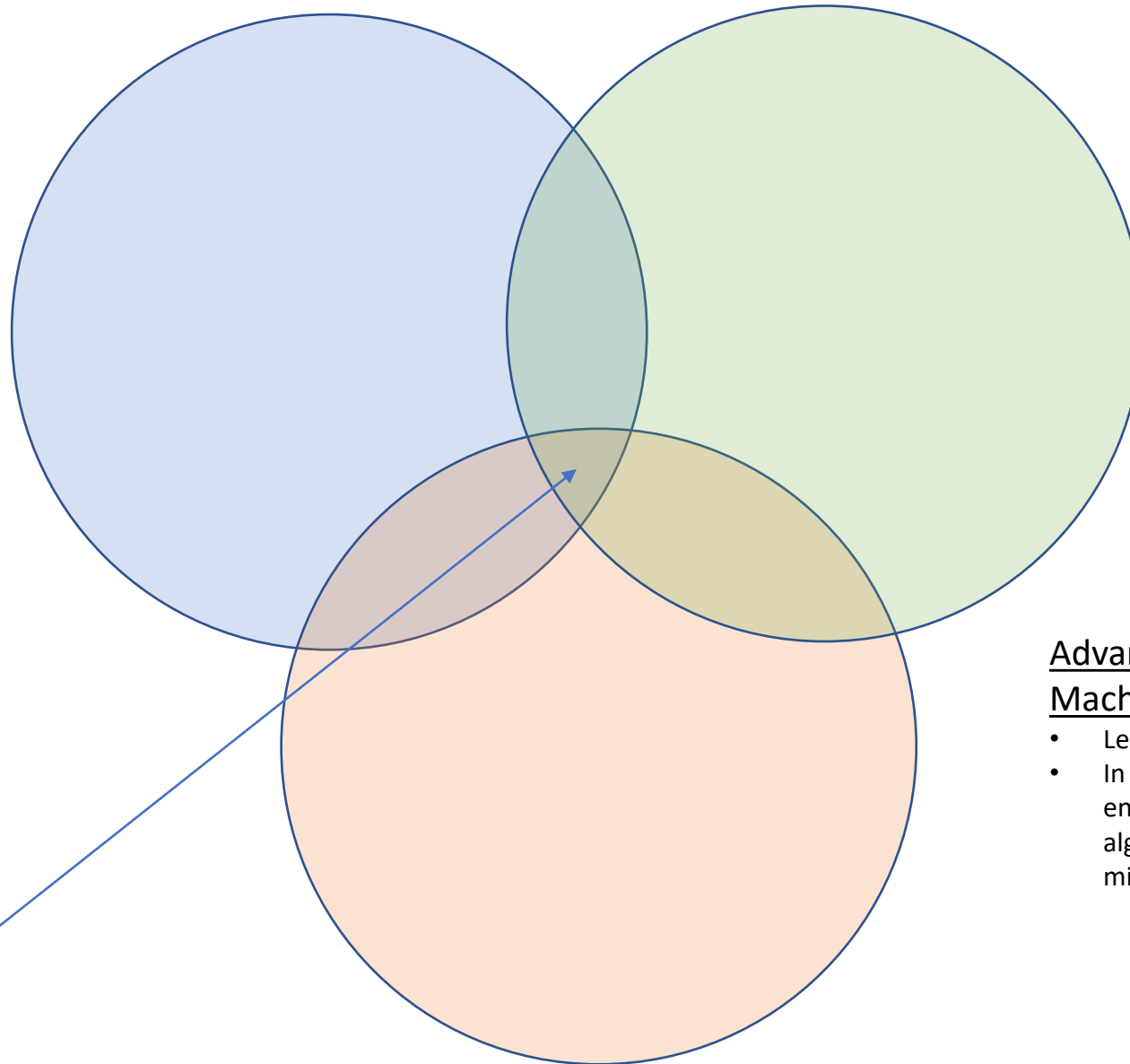
- Develop strategies for safe, effective and efficient mechanisms for implementing patient centered studies.
- Developing currently available technology to improve diagnostics among the neonatal population (an often understudied population).
- Refining my techniques of optimal image acquisition of capillaroscopy images.

Microvascular Development:

- Become an expert in the field of microvascular development as it pertains to chronic diseases associated with prematurity.

Advanced Imaging Analysis Using Machine Learning:

- Learn python for data science
- In conjunction with biomedical engineering, develop machine learning algorithms to detect patterns of microvascular disease



Neonatologist
functioning as an **independent** clinical investigator with specific expertise in microvascular origins of diseases of prematurity.