

MCM59252 - Metabolism and Cancer – FMUSP  
Oncology Graduation Program

Contents

1. Energetic metabolism.
2. Tumor cell metabolism – beyond the Warburg effect.
3. Metabolites and the tumor microenvironment.
4. Tumor cell metabolism effect on the immune system.
5. Immune cells metabolism.
6. Cancer therapy using metabolic pathways as target.

Program

Energetic metabolism (week 1) - Ana

Tuesday March 14th

Class and paper discussion – energetic metabolism

Friday March 17th

Exercise and paper discussion – metabolism orchestrating pathways

Tumor cell metabolism (week 2) – Ana

Tuesday March 21st

Class and paper discussion – tumor cell metabolism

Friday March 24th

Paper discussion – tumor cell metabolism reprogramming

Metabolites and the tumor microenvironment (week 3) - Luciana

Friday March 31st

Class and paper discussion metabolites consumed and generated by tumor cells  
microenvironment

Tuesday April 4th

Paper discussion – metabolites and the tumor

Tumor cell metabolism effect on the immune system (week 4) - Alison

Tuesday April 11th

Class and paper discussion – metabolites and tolerance induction

Friday April 14th

Paper discussion – lipid mediators and tumor immunology the tumor microenvironment

Immune cells metabolism (week 4) (holiday 04.21 and 04.22) - Marília

Tuesday April 18th

Class and paper discussion – immune cells metabolism

Tuesday April 25th

Paper discussion – immune cells metabolism

Cancer therapy using metabolic pathways as targets (week 6) - Lara

Friday April 28th

Class and paper discussion – metabolic inhibitors

Tuesday May 2nd

Paper discussion – combined therapy and metabolic targets