"Distinct essential functions for polyamine biosynthesis enzymes in malaria parasite blood and mosquito stage development"

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Polyamines are important organic charged molecules that play important roles in cell cycle regulation, cell proliferation, senescence, and death of eukaryotes and prokaryotes. This seminar will discuss polyamine functions and polyamine analogues which have been considered and applied in cancer therapy.

Shaymaa is a doctoral student in Dr. Ahmed Aly's lab. She is interested in the biology and host-parasite interactions of the malaria parasite in the mosquito and mammalian hosts as well as the molecular epidemiology of malaria parasites.