

# Objectives

- Role of Poly ADP-ribose polymerase (PARP) in oxidative stress induced cell death in *D. discoideum*
- Proteases involved in cell dismantling during oxidative stress induced paraptosis and necrosis in *D. discoideum*
- Effect of Poly (ADP-ribose) glycohydrolase (PARG) inhibition on oxidative stress induced cell death in *D. discoideum*
- Role of poly (ADP-ribose) polymerase (PARP) and effect of glutathione and cAMP in oxidative stress induced changes in *Dictyostelium discoideum* growth and development
- Down-regulation of PARP by antisense and its effect on oxidative stress induced cell death in *D. discoideum*