Title - Systematic analyses of hierarchical shifts underlying somatic to germline transition in plants.

Jubin Shah, PhD student – HBIGS Graduate School
Supervisor - Dr Amal Johnston
Germline Biology Group
COS, Heidelberg University, Germany

Female germline development as primary focus

Retinoblastoma Protein – Central regulator of multiple signaling hubs

Alternation of generation between dominant sporophyte (shaded green) and reduced gametophyte (shaded yellow) stages during life cycle of flowering plants. (Figure courtesy: Dr. Olga Kirioukhova)

Calzone et al. 2008, Clem et al. 2012, Reactome and KEGG databases