The overall objective of Dr. Douglas's research is to understand how the formation of differentiated trophoblast phenotypes is orchestrated in trophoblast progenitor cells. Successful pregnancy outcome in human and non-human primates is largely dependent on the activity of different kinds of trophoblast cells, all of which are derived from the trophectoderm layer of the blastocyst.

Clinical Interests

Title: Associate Researcher
Specialty: Cell Biology and Human Anatomy
Department: Cell Biology and Human Anatomy
Division: Cell Biology and Human Anatomy

Select Recent Publications

Cao, T.C., Thirkill, T.L. Wells, M., Barakat, A.I., and Douglas, G.C. Trophoblasts and shear stress induce an asymmetric distribution of ICAM-1 in uterine endothelial cells. American Journal of Reproductive Immunology. in press.

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