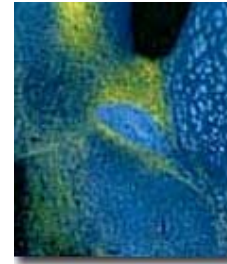




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### Research Interests

Our laboratory is studying the molecular mechanisms of myelination. There are two major areas of research in the lab:

- 1) Caveolin-1 regulation of oligodendrocyte signal transduction, proliferation, differentiation, cell death, and phenotype
- 2) The function of OMgp, a lipid-linked myelin glycoprotein inhibitor of neurite outgrowth and obstacle to neural repair.

### Selected References

Mikol DD, Hong HL, Cheng H-L, Feldman EL. Caveolin-1 expression in Schwann cells. *Glia* 27, 39-52, 1999.

Mikol DD and Feldman EL. Neurophilins and the nervous system. *Muscle and Nerve* 22 (10), 1337-1340, 1999.

Mikol DD. Treat Early, but Treat Hard: Interferon-beta dose makes a difference. *J. Neuroophth.* 21 (4), 237-9, 2001.

Mikol DD, Scherer, SS, Kim S, Hong HL, Duckett SJ, Feldman EL. Schwann cell caveolin-1 expression increases during myelination and decreases following axotomy. *Glia* 38: 191-199, 2002.

Kottis, V, Thibault P, Mikol DD, Xiao Z-C, Zhang R, Derghan P, Braun PE. Oligodendrocyte-myelin glycoprotein is an inhibitor of neurite outgrowth. *J. Neurochem.* 82: 1566-1569, 2002.

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