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Keywords: [vcscb](#) [seminar](#)

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Meeting Details

Start Date / Time	March 20, 2017 at 12:15 PM
End Date / Time	March 20, 2017 at 1:15 PM
Duration	1 hour(s)
Location	1220 MRB III
Presenter Name	Paul Tesar, Ph.D.
Presentation Title	Chemical control of endogenous stem cells for treatment of myelin disorders
Status	This meeting has already occurred

Meeting Agenda/Notes

Oligodendrocyte progenitor cells (OPCs) are endogenous stem cells in the central nervous system that serve as the predominant source of myelinating oligodendrocytes. Oligodendrocyte loss or dysfunction can lead to significant motor and cognitive disability in patients due to myelination deficits. We have developed technologies that enable the rapid and robust generation of OPCs from pluripotent stem cells and via direct cell reprogramming technologies. These in vitro generated OPCs serve as a powerful platform to understand oligodendrocyte development and to discover therapeutic compounds for enhancing myelination. I will discuss our recent efforts to use high-throughput phenotypic screening of pluripotent stem cell-derived OPCs to uncover new aspects of oligodendrocyte biology.

Attachment

 [Tesar_flyer_3.20.17.pdf](#) - Added on March 13, 2017 at 12:44 PM by Pam Uttz