

**POSTDOCTORAL POSITION - INDIANA UNIVERSITY -PURDUE UNIVERSITY
INDIANAPOLIS**

A postdoctoral position is available at Indiana University-Purdue University Indianapolis to study molecular signaling pathways important in glial cell development and disease states in the mouse eye. Areas of active interest in the laboratory are

1) the role of bone morphogenetic proteins and sonic hedgehog in the astrocyte differentiation and activation (Dev Biol. 2009 Aug 15;332(2):429-43; Dev Biol. 2008 Jul 1;319(1):23-33. Epub 2008 Apr 11.),

2) regeneration of retinal neurons (Gene Expr Patterns. 2010 Jan;10(1):44-52; Gene Expr Patterns. 2007 Aug;7(7):817-25. Epub 2007 Apr 21), and mouse and rat models of retinal degeneration (Exp Eye Res. 2005 Oct;81(4):376-88).

We use cellular and molecular genetic approaches in mouse, chick, and Xenopus model systems to address various hypotheses in our research. Highly motivated individuals with recent PhDs with a background in mouse genetics, molecular biology, and/or developmental biology are encouraged to apply.

Requests should be addressed to Teri Belecky-Adams at tbadams@iupui.edu