

| NAME<br><b>Andrew Allen Pieper</b>  |                                  | POSITION TITLE<br><b>Postdoctoral Fellow</b> |                        |
|---|----------------------------------|--|------------------------|
| eRA COMMONS USER NAME   |                                  |  |                        |
| EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i> |                                  |  |                        |
| INSTITUTION AND LOCATION  | DEGREE<br><i>(if applicable)</i> | YEAR(s)                                      | FIELD OF STUDY         |
| Earlham College, Richmond, IN   | B.A.                             | 1998-1992                                    | Biology, Chemistry     |
| Johns Hopkins University School of Medicine   | M.D., Ph.D.                      | 1992-2001                                    | Medicine, Neuroscience |

**Research and/or Professional Experience:**

- 2001-2002 Medicine Internship, Johns Hopkins University School of Medicine  
2002-2004 Psychiatry Residency, Johns Hopkins University School of Medicine  
2004-2005 Psychiatry Residency Research Track, University of Texas Southwestern Medical Center (UTSWMC)  
2005- Research Fellow, Departments of Psychiatry and Biochemistry, UTSWMC

**Honors and Awards:**

- 2005-2006 Physician Scientist Training Program Fellowship, UTSWMC  
2005 David Nathan Meyerson Fellow in Psychiatric Research, UTSWMC  
2005 Chairman's Research Award, Department of Psychiatry, UTSWMC  
2003-2005 Janssen Research Scholars on Severe Mental Illness / American Psychiatric Institute for Research and Education Fellowship

Phi Beta Kappa  
Earlham College Russel L. Malcom Premedical Award  
College Honors, Earlham College  
Departmental Honors, Earlham College - Biology  
Departmental Honors, Earlham College - Chemistry  
Earlham College Community Service Scholarship

**Selected publications**

- Pieper, A.A.,** Wu, X., Han, T.W., Estill, S.J., Dang, Q., Wu, L.C., Reece-Fincannon, S., Dudley, C.A., Richardson, J.A., Brat, D.J. and McKnight, S.L. (2005). The neuronal PAS domain protein 3 transcription factor controls FGF-mediated adult hippocampal neurogenesis in mice. *Proc Natl Acad Sci USA* 102:14052-14057.
- Pieper, A.A.** and Treisman, G.J. (2005). Drug treatment of depression in HIV-positive patients: Safety considerations. *Drug Safety* 28:753-762.
- Pieper, A.A.** and Treisman, G.J. (2004-present). Overview of the neuropsychiatric aspects of HIV infection and AIDS. UpToDate. [www.uptodate.com](http://www.uptodate.com).
- Pieper, A.A.** and Treisman, G.J. (2004-present). Depression, mania, and schizophrenia in HIV-infected patients. UpToDate. [www.uptodate.com](http://www.uptodate.com).
- Pieper, A.A.** and Treisman, G.J. (2004-present). Dementia and delirium in HIV-infected patients. UpToDate. [www.uptodate.com](http://www.uptodate.com).
- Pieper, A.A.** and Treisman, G.J. (2004-present). Substance abuse and addiction in HIV-infected patients. UpToDate. [www.uptodate.com](http://www.uptodate.com).
- Pieper, A.A.,** Brat, D.J., O'Hearn, E., Krug, D.K., Kaplin, A.I., Takahashi, K., Greenberg, J.H., Ginty, D., Molliver, M.E. and Snyder, S.H. (2001). Differential neuronal localizations and dynamics of

phosphorylated and unphosphorylated type 1 inositol 1,4,5-trisphosphate receptors. *Neuroscience*, 102:433-444.

- Pieper, A.A.**, Walles, T., Wei, G., Clements, E.E., Verma, A. and Snyder, S.H. (2000). Myocardial postischemic injury is reduced by poly (ADP-ribose) polymerase-1 gene disruption. *Mol Med* 6:271-282.
- Pieper, A.A.**, Blackshaw, S., Clements, E.E., Brat, D.J., Krug, D.K., White, A.J., Pinto-Garcia, P., Favitt, A., Conover, J.R., Snyder, S.H. and Verma, A. (2000). Poly (ADP-ribosyl)ation basally activated by DNA strand breaks reflects glutamate-nitric oxide neurotransmission. *Proc Natl Acad Sci USA* 97:1845-1850.
- Pieper, A.A.**, Brat, D.J., Krug, D.K., Watkins, C.C., Gupta, A., Blackshaw, S., Verma, A., Wang, Z-Q. and Snyder, S.H. (1999). Poly (ADP-ribose) polymerase-deficient mice are protected from streptozotocin-induced diabetes. *Proc Natl Acad Sci USA* 96:3059-3064.
- Pieper, A.A.**, Verma, A., Zhang, J., Snyder, S.H. (1999). Poly (ADP-ribose) polymerase, nitric oxide, and cell death. *Trends Pharmacol Sci* 20:171-181.
- LaPlaca, M.C., Raghupathi, R., Verma, A., **Pieper, A.A.**, Saatman, K.E., Snyder, S.H. and McIntosh, T.K. (1999). Temporal patterns of poly (ADP-ribose) polymerase activation in the cortex following experimental brain injury in the rat. *J Neurochem* 73:05-213.
- Takahashi, K., **Pieper, A.A.**, Croul, S.E., Zhang, J., Snyder, S.H. and Greenberg, J.H. (1999). Post-treatment with an inhibitor of poly (ADP-ribose) polymerase attenuates cerebral damage in focal ischemia. *Brain Res* 829:46-54.
- Eliason, M.J.L., Sampei, K., Mandir, A.S., Hurn, P.D., Traystman, R.J., Bao, J., **Pieper, A.A.**, Wang, Z-Q., Dawson, T.M., Snyder, S.H. and Dawson, V.L. (1997). Poly (ADP-ribose) polymerase gene disruption renders mice resistant to cerebral ischemia. *Nat Med* 3:1089-1095.
- Zhang, J., **Pieper, A.A.** and Snyder, S.H. (1995). Poly (ADP-Ribose) Synthetase Activation: An early indicator of neurotoxic DNA damage. *J Neurochem* 65:1411 - 1414.

## Research Support

### Current Support

National Institutes of Health (NIH) Clinical Loan Repayment Program (2005-2008).

### Completed Support

National Research Service Award (1994-2001)

Department of Health and Human Services

National Institutes of Health - National Institute of Mental Health

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Principle Investigator: Pieper, Andrew BA

Project Title: In Vivo Modulation of the IP3R by Phosphorylation