

## Correction to An Azobenzene Photoswitch Sheds Light on Turn Nucleation in Amyloid- $\beta$ Self-Assembly

Todd M. Doran, Elizabeth A. Anderson, Sarah E. Latchney, Lisa A. Opanashuk, and Bradley L. Nilsson\*

*ACS Chemical Neuroscience* 2012, 3 (3), 211–220. DOI:10.1021/cn2001188

In discussing the use of AMPP to affect  $\beta$ -hairpin formation peptides, we inadvertently failed to appropriately acknowledge the previous use of AMPP in amyloid-like peptides. As discussed in ref 33 (Deeg, A. A., et al. (2011) *ChemPhysChem* 12, 559–562), Zinth et al. have demonstrated that AMPP influences the assembly and disassembly of amyloid-like structures by the Ac-SWTWE-AMPP-KWTWK-NH<sub>2</sub> (ac-AzoTrpZip2) peptide through *cis*–*trans* isomerization. Ac-AzoTrpZip2 also assembles in the *trans* conformation, and the resulting fibrils apparently disassemble upon *trans* to *cis* isomerization. Our data are in good agreement with this precedent as *trans*-2 and *trans*-3  $A\beta$  peptides self-assemble into amyloid fibrils similar to wild-type  $A\beta$ , whereas *cis*-2 and *cis*-3 instead form amorphous aggregates; *trans*–*cis* isomerization of fibrils also perturbs fibril populations in our systems.

Reference 35 should be corrected to Dong, S.-L., Löweneck, M., Schrader, T. E., Schreier, W. J., Zinth, W., Moroder, L., and Renner, C. (2006) A Photocontrolled  $\beta$ -Hairpin Peptide. *Chem.—Eur. J.* 12, 1114–1120.

Published: March 22, 2012