

Weilenmann, Anne-Katharina
Stettermerstrasse 165, CH-8207 Schaffhausen
Phone: +41 52 6401444
E-Mail: weilenmann@shinternet.ch
Web: <http://www.biblink.ch>

Information Science and Neuroscience - an interaction?

With the emergence of Web 2.0, the discourse concerning information literacy has reached new dimensions; additional aspects, like research 2.0 (Koltay/Špiranec/Karvalics 2015), have to be considered. Today, mobile services, ubiquitous and instant access to information are taken for granted; these technological advantages can cause distraction and restlessness. Which implications will this have for personal information behavior? A lot of studies has been published investigating the searching of information and information behavior. Only a few studies describe the interaction between searching and the functionality of the brain (Ferebee/Davis 2011). The latest findings show that this is a topic which will be developed in the future¹. In my poster I will discuss two research questions on the subject of neuroscience and library science:

- a) To what extend are neurological skills needed by librarians?
- b) Is there a requirement to integrate a basic knowledge of neuroscience in the professional development of librarians?

I am offering these thoughts in the hope to stimulate a basic discussion about librarianship and neuroscience. Further research is needed to analyze the neurological skills of librarians and to build a framework for a new curriculum. A collaboration between neuroscientists and information scientists should be established in order to go beyond disciplinary boundaries. At the intersections of these disciplines there could be a new approach to create visionary services for the future of scholarship.

References:

- Ferebee, Susan / Davis, James Wayne: Persuading library use in technologically structured individuals. In: *Library Hi Tech* Vol. 29(2011), no 4. S. 586–604.
- Koltay, Tibor / Špiranec, Sonja / Karvalics, László Z.: *Research 2.0 and the Future of Information Literacy*. Waltham, MA : Chandos Publishing, 2015.

¹ The Gmunden Retreat is held every year since 2010, a conference discussing the interdisciplinary research between neuroscience and information science: <http://www.neurois.org> [19.03.2016]