



Science Outreach – Athabasca presents...
**“Pharmaceuticals and
Personal Care Products in the
Aquatic Environment”**



Speaker: Dr. Lawton Shaw
*Associate Professor of Chemistry in
the Centre for Science,
Athabasca University*

Date: March 26, 2014

Place: Athabasca University
Governing Council Chambers

Time: 7 PM to 8:30 PM

Refreshments will be available after this
presentation. Admission is free.
Door Prizes!

There is a large range of pharmaceuticals and compounds from personal care products that make their way in to the aquatic environment. Many of these compounds are untouched by municipal sewage treatment processes, and are part of sewage effluent. These compounds are present at low (ppt to ppm) concentrations in surface waters that are close to human populations. Even at low concentrations, pharmaceuticals such as antibiotics can affect aquatic microbial communities, such as the symbiotic communities of bacteria, fungi, and algae that make up aquatic biofilms. This is an emerging research area. How do scientists study this? What have they found?

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