

chem-bla-ics

Bioclipse Workshop: short but productive

Egon Willighagen 

Published November 3, 2006

Citation

Willighagen, E. (2006, November 3). Bioclipse Workshop: short but productive. *Chem-bla-ics*.
<https://doi.org/10.59350/xf0q9-v4n97>

Keywords

Bioclipse, Qsar, Javascript, Conference

Copyright

Copyright © Egon Willighagen 2006. Distributed under the terms of the [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

chem-bla-ics

The [Bioclipse Workshop](#) has ended and, for just three days, turned out [quite productive](#). We have first bits of scripting support for JavaScript using [Rhino](#). At this moment the scripting plugin needs to explicit depend on plugins to be able to access their classpath, but we plan to solve that. An example script:

```
// to have short identifiers
Array = Packages.java.lang.reflect.Array;
String = Packages.java.lang.String;
msgBox = Packages.net.bioclipse.plugins.bc_rhino.ShowBcMsgBox;
DbfetchServiceServiceLocator =
    Packages.uk.ac.ebi.www.ws.services.urn.Dbfetch.DbfetchServiceServiceLocator;

// get data
service = new DbfetchServiceServiceLocator();
strarray = service.getUrnDbfetch().fetchData("refseq:NM_210721", "refseq",
"raw");

// make readable
str = new String();
for (i = 0; i < Array.getLength(strarray); i++) {
    if (i != 0)
        str = str + ("\n");
    str = str + strarray[i];
}

// show
msgBox.ShowStatic(str);
```

It's just a short example that uses webservice technology in Bioclipse to fetch a sequence.

chem-bla-ics

QSAR support

QSAR support is getting along too, with a new DescriptorProvider extension point in [trunk/](#) and work is progressing on a wizard that allows selecting descriptors and a CDK backend. The output of the wizard is a matrix resource, for which we already have a rich editor. A [JOELib](#) plugin has been suggested, as it has a good deal of QSAR descriptors too; [Jörg](#), interested in doing a tiny bit of Bioclipse hacking?

A full proceedings is available [online](#).