Hack the Link Resolver
A DIY, tailored approach to full text linking in PubMed

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Institutional Context

Galter Health Sciences Library
• Northwestern University Chicago campus
• Administratively separate library
• Two developers on staff

Systems
• Migrated to Alma in summer of 2015
• Shares ILS with all NU affiliated libraries and hospitals
• Manages our own Primo front-end, but...
Institutional Context
1. Linking field-based metabolomics and chemical analyses to prioritize contaminants of emerging concern in the Great Lakes basin.


Environmental toxicology and chemistry / SETAC. 2016 Mar 30; [Epub ahead of print]
PMID: 27027856 [PubMed - as supplied by publisher]

2. Interruption of magnesium supply at heading influenced proteome of peripheral layers and reduced grain dry weight of two wheat [Triticum aestivum L.] genotypes.

Ouy H, Nadeau L, Lesieg G, Piquet-Pelloux A, Strand G

Journal of proteomics. 2016 Mar 25; [Epub ahead of print]
PMID: 27030883 [PubMed - as supplied by publisher]
PubMed Configuration

Galter Health Sciences Library, Northwestern University Feinberg School of Medicine

LinkOut displays links to your holdings in PubMed search results.

PubMed
Contact Info
Library Info

LinkOut Options for PubMed
- View or Update Online Holdings
- View or Update Print Holdings
- View Usage Statistics
- Export Holdings

PubMed Holdings
You have 3096 journals (5750 entries) in your online and print holdings for PubMed. When a patron views a citation for any of these articles in PubMed, they see a link to that article in your holdings.

Full-Text Icon/Icon URL
Galter Full-Text Online
Change

Print Collection Icon/Icon URL
- Offsite storage
Change

Write to LinkOut
NCBI | NLM | NIH
Department of Health & Human Services
Freedom of Information Act | Disclaimer
Effects of cocaine on honey bee dance behaviour.

Parron AB¹, Malessa R, Hellendoorn PG, Robinson GE.

Abstract
The role of cocaine as an addictive drug of abuse in human society is hard to reconcile with its ecological role as a natural insecticide and plant-protective compound, preventing herbivory of coca plants (Erythroxylum spp.). This paradox is often explained by proposing a fundamental difference in mammalian and invertebrate responses to cocaine, but here we show effects of cocaine on honey bees (Apis mellifera L.), that parallel human responses. Forager honey bees perform symmetric dances to advertise the location and value of floral resources to their nest mates. Treatment with a low dose of cocaine increased the likelihood and rate of these dancing after foraging but did not otherwise increase homeward activity. This is consistent with cocaine causing forager bees to overestimate the value of the floral resources they collected. Further, cessation of chronic cocaine treatment caused a withdrawal-like response. These similarities likely occur because in both insects and mammals the biogenic amine neurexinolator systems disrupted by cocaine perform similar roles as modulators of reward and motor systems. Given these analogous responses to cocaine in insects and mammals, we propose an alternative solution to the paradox of cocaine reinforcement. Ecologically, cocaine is an effective plant defence compound via disruption of honeybee motor control, but because the neurochemical systems targeted by cocaine also modulate reward processing, the remaining properties of cocaine occur as a side effect.

Problems with the Alma resolver
Inter-Library Loan difficult to find
Problems with the Alma resolver

Jumbled names and confusing links
Problems with the Alma resolver

Related title fail

Oral terbutaline for the treatment of priapism.

The journal of urology : official journal of the American Urological Association, Inc. (Additional form)

Full text available at: view full text

Public notes:
Why not just fix Alma?
The Solution

Use the article’s PMID to query our local PubMed search and display a single result
The Solution

New OutsideTool configuration
The Solution

New OutsideTool configuration
The Solution

New “resolver menu”

Galter Health Sciences Library

1. Effects of cocaine on honey bee dance behaviour.

Authors: Barron AB, Maleszka R, Heltwell PG, Robinson GE


PMID: 19112134 (PubMed - indexed for MEDLINE)

Online Access: Request Article via Interlibrary Loan

Highwire Press Company of Biologists
Available from 1923

View Full Text

Online version. (ACCESS RESTRICTED to the Northwestern University community. Each user is responsible for using electronic resources for individual, noncommercial use, without systematically DOWNLOADING, distributing, or RETAINING substantial portions of information.)
The Solution

Unforeseen consequences
The Solution (v. 2)

... to the unforeseen consequences of our original solution
Final Takeaways

• It works great! (for us)
• If possible, try to fix the OOTB resolver first
• Leverage the resources you have
• Consistent and reliable article-level identifier is essential
• Prepare for new problems
• Similar solution could be used for other referring databases
Questions?

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Thank You!

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