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The Subject Librarian Newsletter, Chemistry, Spring 2017

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Chemistry

University of Central Florida Libraries

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Happy New Year, Chemistry Faculty!

I hope that 2017 will bring many opportunities for collaboration with the UCF Libraries. I am Sandy Avila, the Interim Science Librarian and new Library Liaison to the Chemistry Department. I look forward to working with you and your Library Liaison, Dr. Seth Elsheimer, to order new books to support Chemistry Department teaching and research.

I also look forward to providing library research consultations and instruction classes to chemistry students.

Please feel free to contact me to let me know how I can be of service to you.

Here are quick links to some of UCF Libraries resources and services:

Browse Chemistry databases: <http://guides.ucf.edu/az.php?q=chemistry>

Schedule a research consultation: <http://library.ucf.edu/help/schedule-an-appointment/>

Schedule a library instruction class: <http://library.ucf.edu/services/instruction/>

Scholarly Communication Services: <http://library.ucf.edu/about/departments/scholarly-communication/>

Ask Us! (contact for online help with quick questions): <http://library.ucf.edu/ask/>

Borrowing/Interlibrary Loan: <http://library.ucf.edu/services/borrowing-from-other-libraries/>

Browse the Libraries' online catalog: <https://ucf.catalog.fcla.edu/cf.jsp?t1=&k1=k&avli=&ADV=S>

Chemistry in the News...

Nanofibers developed for healing bone fractures

Date: January 18, 2017

Summary:

In future, it may be possible to use nanofibres to improve the attachment of bone implants, or the fibers may be used directly to scaffold bone regeneration. This would aid the healing of fractures and may enable the care of osteoporosis. This is detailed in a new dissertation.

For full article visit: <https://www.sciencedaily.com/releases/2017/01/170118082803.htm>

A Word from Scholarly Communication

Copyright in the Classroom

Copyright matters can be difficult to navigate when using resources in the classroom. While Fair Use (limited use of copyrighted material without acquiring permission from the rights holder(s)) may be applied to the use of copyrighted materials in the classroom, there are many important legal considerations to take into account. The UCF Office of Scholarly Communication can assist faculty with information about such matters. In addition, UCF's Office of General Counsel is available for faculty who encounter questions within the course of their employment regarding copyright law, the university's guidelines with respect to fair use, university regulations and/or other official UCF documents.

The UCF Office of General Counsel has prepared a handy resource, "[Top Ten Copyright and Fair Use Questions](#)," which provides valuable information about copyright and fair use in the classroom.

If you have any questions about copyright, please contact Sarah Norris at the Office of Scholarly Communication at sarah.norris@ucf.edu or contact UCF's Office of General Counsel.

Database Spotlight: TOXNET Toxicology Data Network

Here is a link to their mobile app: <https://toxnet.nlm.nih.gov/pda/>

[TOXNET](#)® (TOXicology Data NETwork) is a group of databases covering chemicals and drugs, diseases and the environment, environmental health, occupational safety and health, poisoning, risk assessment and regulations, and toxicology. It is managed by the [Toxicology and Environmental Health Information Program](#) (TEHIP) in the [Division of Specialized Information Services](#) (SIS) of the [National Library of Medicine](#) (NLM).

Use TOXNET to find:

- Specific chemicals, mixtures, and products in ChemIDplus
- Chemical nomenclature
- Chemicals that may be associated with a disease, condition or symptom in TOXLINE
- Chemicals associated with consumer products, occupations, hobbies, and more

TOXNET provides links to PubMed®, NLM's free web interface to the world's biomedical literature, and to:

TOXLINE provides bibliographic information (1840s to present) covering the biochemical, pharmacological, physiological, and toxicological effects of drugs and other chemicals. It contains over 5 million references, most with abstracts, indexing terms, and Chemical Abstracts Service (CAS) Registry Numbers. The [toxicology subset](#) of MEDLINE®/PubMed is part of TOXLINE. TOXLINE also contains references from specialized journals, government reports, meeting abstracts, and other relevant collections of toxicology literature.

ChemIDplus contains over 400,000 chemical records. More than 300,000 of those records include chemical structures. ChemIDplus is searchable by Name, Synonym, CAS Registry Number, Molecular Formula Classification Code, Locator Code, Structure, and/or Physical properties. Enhanced structure display is available in ChemIDplus Advanced.

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