



# Inside The Library

A newsletter of the NCI at Frederick Scientific Library

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VOLUME 13 ISSUE 1

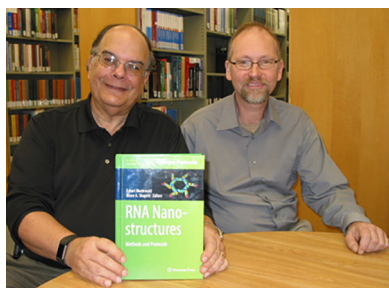
WINTER 2018

## Editors and Authors Donate Books to the Library

Editors and authors from three volumes of the **Methods in Molecular Biology** series donated copies of their work to the Scientific Library. The Library is very grateful to these authors for contributing these volumes to the print collection.

**Dr. Eckart Bindewald**, Senior Computational Scientist in the Basic Science Program for Leidos Biomedical, donated a copy of **[RNA Nanostructures: Methods and Protocols](#)**, a book he edited with **Dr. Bruce Shapiro**,

Head of the RNA Structure and Design Section of the RNA Biology Laboratory. Dr. Bindewald and Dr. Shapiro explained:

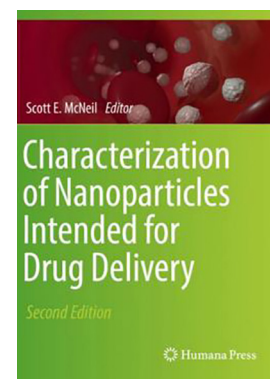


*“We were approached 2 years ago by Dr. John Walker, the originator and series editor of the Springer Methods in Molecular Biology Series to write and edit a book about RNA Nanostructures. This series focuses on “protocols”, in other words detailed descriptions of how to reproduce scientific results related to RNA-based nanostructures. This book was a collaborative effort, i.e. different scientists throughout the world contributed a chapter in their areas of expertise. Fortunately, we were able to get commitments for 23 chapters from renowned experts in their fields.*

*The book covers many different aspects of RNA nanoparticles, such as their computational design and their experimental characterization. It highlights recent applications such as delivering functionalized RNA nanostructures into cancer cells for modulating gene expression. We think that the book, although technical in nature, captures some of the excitement that is pervasive in this new field of research.”*

The Nanotechnology Characterization Laboratory (NCL) provided a copy of **[Characterization of Nanoparticles Intended for Drug Delivery, 2nd edition](#)** to the Library. The book was edited by **Dr. Scott McNeil**, Director of the NCL, and contains eighteen chapters authored by the NCL team, as well as two chapters from the Electron Microscopy Laboratory. The NCL team noted:

*“Nanoparticles can be used to control delivery of therapeutics in the body. This often leads to improved therapeutic efficacy and/or reduced adverse side effects. At the Nanotechnology Characterization Lab (NCL), we perform preclinical characterization of nanomedicines and develop methods that can accelerate clinical translation of these complex drugs. The NCL first published Characterization of Nanoparticles Intended for Drug Delivery in 2011, as a resource for nanoparticle developers, providing a collection of physicochemical characterization techniques and in vitro biological assays specifically designed for nanomedicine evaluation. Surpassing 100,000 downloads of the first edition, the NCL was asked to update this valued collection of protocols. This second edition book compiles both new and updated protocols from NCL scientists and other experts so that researchers worldwide can evaluate their nanomedicines – from its physical parameters to therapeutic efficacy in preclinical models.”*



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NCI at Frederick Scientific Library ~ Building 549

On the web at: <https://ncifrederick.cancer.gov/ScientificLibrary/>

Hours: Monday - Friday 8:30am - 5:00pm

Main Phone Number: 301-846-1093 ~ Circulation: x5848 ~ Reference: x1682

ATRF Library ~ E2003, 2<sup>nd</sup> Floor ~ Main Phone: 301-228-4942

## Library Orientations

Library Orientation sessions are held monthly on **Thursdays, from 2:30 p.m. – 3:30 p.m.** in the Library's Technology Training Lab, Building 549. The dates of upcoming 2018 sessions are **January 11, February 8, and March 8**. We invite all employees to attend our informative sessions to learn about the many services and resources offered by the Library. Registration is not required. If you are unable to attend a scheduled session, please [contact the Library](#) to arrange an alternate date and time to suit your schedule.

## Featured Website

### [ClinicalTrials.gov – Beta Version](#)

As of November 2, 2017, a new beta version of [ClinicalTrials.gov](#) is available for public testing. The test site can be accessed from a link on the page banner or directly at <https://clinicaltrials.gov/beta/>. Features of the beta version include an updated search for the “Recruiting and not yet recruiting” studies section of the homepage, a new location search option to allow you to limit your search based on the distance from a specified location, and an updated “Glossary” and “Search Results” page design.



## Upcoming Resource Training and Webinars

The Library's instruction team is finalizing our Winter 2018 class schedule and we are pleased to announce something new beginning in January. You are already familiar with our monthly **Resource of the Month** flyers, email announcements, and a featured article on the Spotlight section of the Library's website. Beginning in January, our librarians will be adding a monthly 30-minute webinar which will feature a closer look at that month's **Resource of the Month** topic.

Watch for announcements with more details about upcoming **Resource of the Month** sessions -

**January – *Antibase***

**February – *Henry Stewart Talks***

**March – *RAS Reference Library***

Along with the other resource training classes, the new **Resource of the Month** webinars will be listed on the [Events Calendar](#) and announced on the listserv to the NCIF community. Descriptions of all training classes offered in the past are available on the Library's [Orientations and Classes website](#). Our librarians are also happy to work with your schedule to provide one-on-one training at your convenience, either on the NCI at Frederick campus or at the ATRF. For questions, or if you have a suggestion for a class offering, please [contact us](#) with your thoughts.

## Resource of the Month – *AntiBase*

**AntiBase** is a comprehensive compilation of natural products featuring properties of over 43,000 compounds from micro-organisms and higher fungi. **AntiBase** includes descriptive, spectroscopic, biological, and physicochemical data records collected from the primary and secondary literature.

For access instructions, assistance with, or questions about using **AntiBase**, please contact Alan Doss at x6249, or by email at [dossal@mail.nih.gov](mailto:dossal@mail.nih.gov).

## *Seventeenth Annual Book Swap Success*

In the first hour of the Library's Seventeenth Annual Book Swap, 344 volumes were chosen by eager readers to add to their collection. There was a total of 1824 books donated for the Swap, which was comparable to those collected the last several years. Mysteries and Thrillers continued to dominate as the genre most exchanged. Employees browsed and selected titles of familiar authors and those new to them, as well. Some swappers traveled from off-site locations to join in the fun! After offering the remaining books for free to all employees, the Library will donate books that were not selected to the local public library's book sale and other non-profit charities.



## *Winter Video Series @ the Library*

The Scientific Library is pleased to announce the return of our **Winter Video Series** in 2018. We will kick off the new year by presenting the 6-part PBS series **Genius by Stephen Hawking**. Professor Stephen Hawking reveals our true potential in a unique science show that challenges a selection of volunteers, and the viewers watching them, to think like the greatest geniuses of the past, and to answer some of humanity's toughest and most enduring questions:

- "Can We Time Travel?"
- "Are We Alone?"
- "Why Are We Here?"
- "Where Did the Universe Come From?"
- "What Are We?"
- "Where Are We?"

**Genius by Stephen Hawking** will be held at two locations: the Scientific Library's Technology Training Lab in Building 549, and the ATRF Conference Center, Room E1203.

Complete information on **Genius by Stephen Hawking**, including dates, times, and locations, is available from the [Winter Video Series website](#).

## *Loansome Doc Service from the Scientific Library*

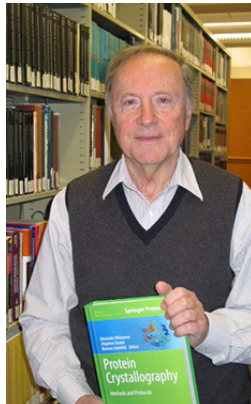
If you use the popular bibliographic database [PubMed](#), then you probably also use its document delivery service known as [Loansome Doc](#). Did you know that the Scientific Library is a **Loansome Doc** provider for all NCI at Frederick employees? You can easily send your requests for full-text journal articles from the references that you find in **PubMed** to the Scientific Library via **Loansome Doc**, just as you send us your requests using our [online article/book request form](#).

You need to [register with the Scientific Library first](#), so we can give you a unique library ID code. You then use that code to [sign up with Loansome Doc](#). That code guarantees that your requests will be sent automatically to the Scientific Library. Library staff will process your requests, find the full-text journal articles, and email them to you in PDF format. The processing time varies, but the service is always free to you. The Library absorbs any costs that may be involved. Other libraries may charge for this service, so be sure to use the Scientific Library as your provider.

The next time you search **PubMed** and cannot link to a full-text journal article, mark your references, click "Send to," select "Order," and use **Loansome Doc**. [Contact the Scientific Library staff if you need further assistance](#).



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**Dr. Alexander Wlodawer**, Chief of the Macromolecular Crystallography Laboratory (MCL), collaborated to edit [\*\*\*Protein Crystallography: Methods and Protocols\*\*\*](#). He said:  
*“For the last 60 years macromolecular crystallography has been the technique of choice for the determination of structures of proteins and nucleic acids. The first textbook describing the method was published by Blundell and Johnson almost exactly 40 years ago. However, in the meantime the technology has undergone revolutionary changes and it is now possible, even for non-experts, to determine crystal structures rapidly and easily. Nevertheless, there is still need for a proper reference that could serve the structural biology community in applying crystallographic methods. Together with Drs. Zbigniew Dauter (NCI) and Mariusz Jaskolski (A. Mickiewicz University, Poznan, Poland), I edited a volume of the Methods and Protocols that includes more than 2 dozen chapters describing modern crystallographic methods and procedures, written by top experts. The book is targeted to both students who would like to become practicing crystallographers and to more experienced practitioners who would like to expand their ability to use the most modern methods.”*

The Scientific Library welcomes donations of any books you have authored or edited. You [can email us](#) or stop by Building 549 or the ATRF to discuss your plans. Please let us know about your work even if you cannot donate a copy, as we want to include information about your publications in the [NCI at Frederick Scientific Publications database](#).

## *Upcoming Dates From Chase's*

The Scientific Library maintains the reference book ***Chase's Calendar of Events***, both in print and online. This fascinating book offers information on special observances, holidays, birthdays, and other important events throughout the year. In each newsletter issue, we provide a few examples for coming months. The months of January February, March offer the following annual events:

- Book Blitz Month – January 1-31
- National Hot Tea Day – January 12
- Library Lover's Month – February 1-28
- World Cancer Day – February 4
- Save Your Vision Month – March 1-31
- Brain Awareness Week – March 12-18

To view the print version of this book, you can stop by the Library in Building 549. To view the online version, please call x1682 for access instructions.

### **Winter Holidays**



**Martin Luther King Jr. Day**

**January 15**



**February 19**