Librarians at the Cooper Medical School of Rowan University (CMSRU)
Support and partner with faculty, clinicians, staff, and students.

As Cooper University Hospital and Rowan University increase their emphasis on research and publishing, particularly with a new $50-million Camden Health Research Initiative, the library is responding by streamlining resources and developing new tools.

Cooper University Hospital
&
Cooper Medical School of Rowan University

2 Distinct Library Facilities
1 Small Staff

Welcome To The New Learning Commons
Innovative services address the following

Research and Publishing based Services

- Scholarly publishing training – PubHub
- Journal selection and appraisal reports
- Rowan Digital Works - Institutional Repository
- Cooper Rowan Medical Journal

Transformed engagement

- Education and Instruction - Embedded in the Curriculum
- Cooper Academic Affairs Annual Report - Cooper Authors
- Process Improvement
Transforming Traditional Reference Services into Research and Publication Support Services

I. Scholarly publishing training

“Publication Guide” (PubHub)
one-stop-shop for scholarly publishing

Examples of topics covered:
- Standards for writing different article types
- Tips for navigating the journal submission process
- Tools and software to help match manuscripts and research to appropriate journals
- Information on alternate publishing models including open access journals
- Tips for avoiding predatory journals and “fake” academia as a whole
- Tools to ensure manuscripts are formatted correctly and using the appropriate style
- An overview and comparison of reference management software
- Addressing the issues of copyright and ethics in academic publishing
- Tools to keep track of your publications and impact

One of the most consulted library resources
A new service answers increasingly common questions such as:

- Where should I submit my manuscript?
- How do I avoid low quality & predatory journals?
- What is the journal’s impact?

Using manuscript matching software and other databases, the report provides potential journals for submission with impact factors, acceptance rates, publication speeds, and open access status. In-person training on scholarly publishing topics has greatly increased.

<table>
<thead>
<tr>
<th>Journal Name</th>
<th>Journal reputation and impact</th>
<th>Information for authors</th>
</tr>
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<tbody>
<tr>
<td>Thyroid: official journal of the American Thyroid Association</td>
<td>Scopus ranks this journal #11/209 in Endocrinology, Diabetes and Metabolism journals. CiteScore 2017: 5.64 SJR 2017: 3.075 SNIP 2017: 2.593</td>
<td>See: <a href="https://home.hubertpub.com/publication/thyroid55/for-authors">https://home.hubertpub.com/publication/thyroid55/for-authors</a></td>
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</table>
A new service to create “research profiles” allows individuals to control how to highlight their own scholarship and find potential collaboration. Faculty are encouraged to upload Open Access versions of their research to the repository to be archived and indexed in Google Scholar.

CMSRU Library had an extensive role in the development of Rowan’s Institutional Repository, RDW.
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Cooper Rowan Medical Journal

The Cooper Rowan Medical Journal (CRMJ) is an Open Access, partially student run, peer-reviewed journal publishing up-to-date research. First authors are current medical students, or residents/fellows.

The library teamed up with faculty and students to:

- Establish and host the journal
- Create policies
- Provide training
- Serve as managing editors

CMSRU launches new open-access scholarly journal

June 13, 2019

CAMDEN, NJ -- The Cooper Rowan Medical Journal (CRMJ), a new open-access, peer-reviewed biomedical science journal from CMSRU, has published its first manuscripts, announced Annette C. Reboli, dean and professor of medicine...The journal is one of only a handful of peer-reviewed student medical journals nationwide...CMSRU medical librarian Benjamin Saracco, and R. Philip Dellinger, MD, professor of medicine at CMSRU and one of the school’s most widely-published researchers, provided guidance and leadership to make the project a reality.
II. Embedded Engagement

Education and Instruction

CMSRU librarians have representation on Phase I (preclinical) and Phase II (clinical) medical education curriculum committees. This influences:

- How much “face time” the librarians have in various courses.
- Rotation through classrooms during the second week of the first year to demonstrate how different library resources can be used to solve problems or answer questions.
- Our role in Scholar’s Workshop, a longitudinal four year course, teaching database searching and critical appraisal skills in both the first and second years.
- Search assistance with Capstone thesis and other types of research projects.

Graduate Medical Education

- Internal Medicine Resident Boot Camp (1.5 hr training session)
- Department generated library-based core competency training
- Journal clubs and grand rounds
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Embedded Engagement

Cooper Academic Affairs Annual Report

The Cooper Authors project is part of Cooper Academic Affairs Annual Report and features scholarly publications authored by members of each hospital department. Through a unique partnership with the Cooper Research Institute, librarians transformed the publication gathering process from an antiquated, manual cut and paste document, to a vetted, automated report, using complex saved search database strategies from PubMed and Scopus.

Librarians are credited with assistance in tracking faculty’s aggressive research publication goals on a monthly, quarterly and annual basis.

EDITOR’S NOTE
We all should feel proud of the scholarly activity …this academic year. Eighty-six (86) Principal Investigators received extramural funding for 181 programs, reflected in the $13.6 million in extramural funding received, an increase of 35% over the prior year. …Ms. Karen Stesis worked tirelessly to vet citations and provide hyperlinks to citations in the electronic version making the report a valuable reference tool to help foster research and research collaboration not only on our Camden campus but for our colleagues at the various colleges of Rowan University.
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Embedded Engagement

Process Improvement

The Process Improvement Office (PIO) of Cooper University Hospital uses Lean Six Sigma to improve safety, quality, cost and patient satisfaction.

- Librarian role transforms from providing brief library resource overviews to conducting literature searches prior to project initiation to increase the effectiveness of PI projects.
- A poster, validating the value of librarian-assisted literature searching for projects from 2013-2016 was presented at SLA in 2017.
  - By 2016, 78% of the projects included literature searches.
  - 100% of projects where literature searches were conducted were deemed successful based on ROI, Length of Stay or QI metrics.
- Additional contact and collaboration with new project teams has enabled the librarian to maintain relationships throughout a project's life cycle.
- Librarian participates on multiple new departmental PI teams. (pediatrics, ob-gyn, nephrology and Pharmacy-based initiatives)
- Librarian now tasked with more specific issues based searches and creating automated literature alerts.

The Process Improvement Office (PIO) of Cooper University Hospital uses Lean Six Sigma Methodologies to improve safety, quality, service, cost, and employee and patient satisfaction. New process improvement projects are chosen based on financial and satisfaction outcome measures.

*Green Belt Project Leaders.*

* Lean Six Sigma Methodologies:
  - LEAN: Rework analysis; eliminate the process.
  - Six Sigma: Process iterations by solving problems.

In 2013, a medical librarian was invited to participate in process improvement training and to provide an overview of library and information resources. These orientation sessions were part of a two-day program for incoming project leaders.

Conclusions

- Literature searches conducted to support the Process Improvement Office contributed to successful outcomes of these PI projects.
- Additional contact and collaboration is needed to assure that literature searches can be provided for every new project.
- Outreach to individual project teams is needed to maintain relationships throughout a project's life cycle in order to maintain the Library/PIO collaboration.

A new Standard Operating Procedure is being developed by the PIO to assure that a literature search is conducted in the initial phase of each project.

Background

The Medical Librarian, in conjunction with the PIO, developed a list of all process improvement projects started since 2013.

Methods

The Medical Librarian matched those project titles against literature search files to determine the number and percentage of projects with a corresponding literature search.

Searches concerning process improvement or best practices not initiated by the Process Improvement Office were tabulated but not included in this study.

Results

<table>
<thead>
<tr>
<th>Year</th>
<th>Projects Initiated</th>
<th>Projects with Literature Searches %</th>
<th>Cost Savings ($000s)</th>
<th>% Project Literature Searches</th>
<th>% Project Literature Identified and Uncovered</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>26</td>
<td>15 (57.7%)</td>
<td>$1,400,000</td>
<td>62%</td>
<td>100%</td>
</tr>
<tr>
<td>2014</td>
<td>31</td>
<td>20 (64.5%)</td>
<td>$2,450,000</td>
<td>65%</td>
<td>100%</td>
</tr>
<tr>
<td>2015</td>
<td>37</td>
<td>27 (73%)</td>
<td>$3,610,000</td>
<td>73%</td>
<td>100%</td>
</tr>
</tbody>
</table>

* Lean Six Sigma Project Levels are based on the belt system, there are master black belts, black belts, green belts, yellow belts and white belts. Project leaders in their respective roles conduct projects and implement improvements.

* Karen O. Steinicke, MLS
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Next Steps

CMSRU Library plans to add additional staff and the following services:

- Light and medium manuscript and grant editing services
- Grant opportunity identification for the Library programs and technology
- Advanced research data management support