We have developed a simple and effective service-driven workflow for capturing and re-using life sciences citation and publication data for core facilities and other organizational units. Our Publication and Citation Survey addresses the following challenges:

- Articles are often published long after a service or product has been provided.
- Articles do not always cite core facilities used.
- There is no ideal way of querying PubMed for citations.
- One-offs with investigators are time-consuming and can be inconsistent.

Our workflow is summarized:

1. We develop an email campaign with you to determine:
   - Survey goals
   - Who to include in survey
   - Timeline and key events
   - Standard reporting
   - Data analysis & visualization (optional)

2. We communicate with your audience via an email campaign, which includes modern templates that are mobile-friendly.

3. Your audience interacts with a step-by-step survey, which engages them in a manner that minimizes their data input (mainly by leveraging off of already existing data from PubMed, data you have provided, or data from other surveys).

4. Upon completion, we provide you with a standard report.

5. If necessary, we can perform additional analysis and visualization of the data, to best communicate the results.

User requesting service must provides 1) a list of users to be surveyed and 2) a list of cores or activities the publications are citations for, and 3) a list of seed publications (optional).

Examples

Vanderbilt Cancer Center Support Grant Renewal

| Use Case | Obtain all faculty publications for 5-year grant period, identify articles that are cancer-related, tie articles to core facility usage, identify all external investigators per article. |
| Data     | 12 core facilities, 283 faculty, historical faculty publication data, PubMed |
Results

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty interactions</td>
<td>223 (79%)</td>
</tr>
<tr>
<td>Articles collected</td>
<td>3,844</td>
</tr>
<tr>
<td>Core-faculty relationships</td>
<td>619</td>
</tr>
<tr>
<td>External collaborators</td>
<td>4,017</td>
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<tr>
<td>Core citations</td>
<td>2,376</td>
</tr>
</tbody>
</table>

Technology used

- Labnodes, email marketing

Institution-wide S10 shared instrumentation Survey

Use Case
Obtain a list of all citations per shared instrument over a time range.

Data
24 shared instruments, lists of users for each core facility

Results

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty interactions</td>
<td>293 (61%)</td>
</tr>
<tr>
<td>Articles collected</td>
<td>1,299</td>
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<tr>
<td>Core-faculty relationships</td>
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<td>Core citations</td>
<td>1,244</td>
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</tbody>
</table>

Technology used

- Labnodes, email marketing

Service Fees

Hourly rates apply.
Estimates to be provided following consultation.

References

1. VICC/CCSG - Jennifer Pietenpol,
2. Vanderbilt OOR - Susan Meyn, Larry Marnett, Janey Wang