**Vision**

TRAIL (Translational Research and Information Lab) is an initiative between the Health Sciences Library (HSL), the Institute of Translational Health Sciences (ITHS), UW Medicine Research Information Technology (RIT), and the Pacific Northwest Region of the National Network of National Libraries of Medicine (PNR) to triage and provide consultations on research data management tools and data visualization.

**Mission Statement**

A collaboration accelerating healthcare research through tools, team science, and applications.

**Scope Y1**

This initiative has three main purposes:

- Provide an idea incubator space for investigators using data and technology.
- Provide access to tools and information to facilitate learning, discovery and innovation.
- Promote workshops and conferences to foster multidisciplinary team science.

**Guiding Principles**

- **Collaboration:** All partners provide resources together.
- **Quality:** TRAIL strives to improve investigators’ access to innovation space, research tools and technology to increase productivity.
- **Assessment:** Growth of TRAIL is dependent on assessment, innovation, and evidence of use.
- **Diversity:** TRAIL is an inclusive environment.
- **Education:** Provide education and training to investigators.
- **Access:** Expand access to research tools to increase investigator productivity.
# TRAIL ACCOMPLISHMENTS

## August 2016 - June 2017

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hired assistant director of clinical research and data services at the Health Sciences Library</td>
<td>08/16/2016</td>
<td>Emily Patridge, MLS, AHIP assumed position.</td>
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<tr>
<td>Established biweekly TRAIL meetings with the UW TRAIL community</td>
<td>08/30/2016</td>
<td>Starting June 6, 2017 biweekly meetings moved to monthly meetings and second meeting time is focused for REDCap, Marketing and Technology.</td>
</tr>
<tr>
<td>Launched of TRAIL: Ribbon Cutting Ceremony</td>
<td>11/07/2016</td>
<td>To see the Ribbon Cutting Ceremony: <a href="http://hsl.uw.edu/trail/media/">http://hsl.uw.edu/trail/media/</a></td>
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<tr>
<td>Launched of TRAIL: Open House</td>
<td>12/06/2016</td>
<td>Opened the TRAIL Idea Incubator Space to the UW Community.</td>
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<tr>
<td>Launched of TRAIL: Signage</td>
<td>10/01/2016-02/02/2017</td>
<td>Posted signage on a bulletin board directing potential users to TRAIL, installed a TRAIL window sign, and placed each partner’s logo on a wall mounted picture.</td>
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<tr>
<td>Built out the TRAIL Idea Incubator Space</td>
<td>10/30/2016</td>
<td>TRAIL leadership decided in the Fall of 2016 not to charge UW affiliated groups for use of the TRAIL space, until further notice.</td>
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<tr>
<td>Established an infrastructure of communication</td>
<td></td>
<td>TRAIL executive leadership:</td>
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<tr>
<td></td>
<td></td>
<td>• Tania Bardyn, Associate Dean of the Health Sciences Library</td>
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<td></td>
<td></td>
<td>• Carlos De La Pena, Executive Director of ITHS</td>
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<td></td>
<td></td>
<td>• Sean Mooney, Chief Research Information Officer</td>
</tr>
<tr>
<td>Event Description</td>
<td>Date</td>
<td>Details</td>
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<td>----------------------------------------------------------------------------------</td>
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<tr>
<td>REDCap lead created content for REDCap classes and is continuing to teach two classes in the HSL each month</td>
<td>08/01/2016 - present</td>
<td></td>
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<tr>
<td>Assessed feasibility of offering Tableau consults/classes</td>
<td></td>
<td>After investigation in current campus culture, Tableau requests are being referred to Maggie Faber</td>
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<tr>
<td>Expanded on the initial REDCap support and trained seven librarians to be REDCap support and to teach the beginner’s class</td>
<td>02/15/2017 - present</td>
<td>Andrea Ball, France Chu, Stephen Gabrielson, Ann Glusker, Ann Madhavan, Emily Patridge, Sally Pine, Deric Ruhl</td>
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<tr>
<td></td>
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<td>Current REDCap Ticketing Schedule:</td>
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<tr>
<td></td>
<td></td>
<td>• Monday – Andrea Ball</td>
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<tr>
<td></td>
<td></td>
<td>• Tuesday – Stephen Gabrielson</td>
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<td></td>
<td></td>
<td>• Wednesday – Deric Ruhl</td>
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<td></td>
<td></td>
<td>• Thursday – Ann Madhavan</td>
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<td></td>
<td></td>
<td>• Friday – Ann Glusker</td>
</tr>
<tr>
<td>Developed and implemented a TRAIL ticketing system</td>
<td>11/01/2016</td>
<td>osTicket, the REDCap ticketing system, expanded to include the room reservation system.</td>
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<tr>
<td>Developed and implemented the TRAIL Metrics Plan</td>
<td>02/01/2017 - present</td>
<td>Metrics plan responsibilities:</td>
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<tr>
<td></td>
<td></td>
<td>• Stephen Gabrielson: TRAIL</td>
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<td></td>
<td></td>
<td>• Jane Koh: space</td>
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<td></td>
<td></td>
<td>• Deric Ruhl: REDCap</td>
</tr>
<tr>
<td>Presented TRAIL poster at the ITHS Expo</td>
<td>05/15/2017</td>
<td>Emily Patridge, Ann Glusker and Stephen Gabrielson presented.</td>
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https://tinyurl.com/yaq4f6jf  
Quick Facts
As of June 9, 2017 the TRAIL space reservation form has been filled out by 69 individuals for a variety of reasons – VR/AR demos, TRAIL orientations, multi-disciplinary collaborations, and 360 videos.

As of June 9, 2017 there are 5,791 projects in REDCap and 5,699 active users.
**YR 2 Recommendations**

**Recommendation 1:** Create a Virtual Reality component for Year 2. The HSL submitted an IMLS grant proposal to build a virtual reality studio and to create a primer for other health sciences libraries to use to create their own studio. Stephen Gabrielson is working with the School of Dentistry to create a Virtual Reality User Group that will meet quarterly and showcase vendors that have VR/AR equipment. This user group is projected to start Fall 2017.

**Recommendation 2:** Finalize the PNR goals for year 2. These include the work PNR is collaborating, which includes REDCap support and attending events to promote TRAIL

**Recommendation 3:** Determine if Team Science needs to continue as one of the TRAIL scopes.

**Recommendation 4:** Add to the Population Health section, review of Live Stories. The HSL is hiring a population health intern Summer 2017 and one of the first projects the intern will be working on is a review of Live Stories, creating content to be taught in classes and consults and determining if it is a product that TRAIL should include as one of the tools.

**Recommendation 5:** Hire a GASP librarian to lead a TRAIL marketing plan in partnership with ITHS.
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MISSION STATEMENT: A collaboration between five partners accelerating healthcare research through tools, team science and applications.
GOALS & OBJECTIVES

Year 2 Goals  July 1, 2017-June 30, 2018

#1 Develop a virtual reality studio with programs and services for clinicians.

- Host a retreat to design a virtual reality studio for clinical use in the TRAIL space.
- Plan appropriate staffing and training for existing HSL staff to support the studio.
- Write and openly disseminate a “how to” primer to other medical and health sciences libraries interested in implementing virtual reality.

#4 Provide excellence and set up a high standard of support.

- Implement processes for funneling specific queries and requests to expertise among the partners.
- Support continued staff training and development based on evolving and emerging trends and technologies.
- Teach monthly Beginner REDCap and Advanced REDCap classes.

#2 Advance the Population Health Initiative.

- Recruit, train and mentor a Population Health intern who will work with the Care Management and Population Health Librarian to evaluate LiveStories.
- Design a Population Health LibGuide, an online information portal.
- Develop an online module about population health, delivered via the HSL website.
- Identify and connect with UW faculty, researchers, and administrators working on population health initiatives.

#5 Introduce initiatives to support the continued success of TRAIL members.

- Organize, lead, and motivate a team of librarians, business analysts, and IT professionals to meet the clinical research needs of the UW community.
- Review and assess performance in context of library priorities.
- Create process improvement plans using LEAN methods.
- Mentor librarians and IT professionals in developing skill sets and establishing career paths in clinical research data management.

#3 Redesign the TRAIL website for improved usability by health sciences researchers.

- Design a mobile-friendly, service-focused TRAIL website.
- Identify TRAIL members best positioned to provide specific services.
- Launch the newly designed website by January 2018.

#6 Develop and teach an online data management course for health sciences researchers.

- Develop and teach an eight-hour course.
- Assess and adjust the course based on teacher and attendee feedback.
- Teach the eight-hour course over four days in Spring 2018.

PARTNERS:

U.S. National Library of Medicine
National Network of Libraries of Medicine
Paciﬁc Northwest Region

UW Medicine
INFORMATION TECHNOLOGY SERVICES

HEALTH SCIENCES LIBRARY
UNIVERSITY OF WASHINGTON
University Libraries

ITHS Institute of Translational Health Sciences
Accelerating Research. Improving Health.

UW Medicine
UNIVERSITY OF WASHINGTON
School of Medicine
BIOEQUIPMENT AND INFRASTRUCTURE

CONTACTS:

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Co-Managers