A First Look at the SRL SOP Repository

The SRL services committee is launching the SRL SOP Repository. This repository is intended to be a resource for labs to share their SOP’s related to different aspects of operation, management, and safety in SRL’s.

This SRL SOP Repository is a work in progress and accessible at this link. It is being temporarily hosted on the committee’s account on the Internet Archive, a non-profit internet library. The committee is working with ISAC to eventually create our own interface accessible on the ISAC-net website.

SOP’s can be submitted using this form. Submissions are reviewed by the SRL Services Committee prior to being uploaded but are not considered official or ISAC approved— they are intended as examples of good practices. Before you upload your SOP documents make sure to redact any sensitive information (name, phone numbers, etc). You may also want to add a watermark to your SOP - a guide to adding watermarks using Word can be found here.

Why are SOP’s important? SOP’s ensure the integrity, quality, consistency, reproducibility, and reconstruction of a repetitive process. This is particularly important in an SRL setting where uniformity needs to be maintained between multiple staff members across various tasks (i.e. training, biosafety, QC and instrument operations).

SOP Category Examples
- Training and Education
- Maintenance
- Instrument QC
- Biosafety
- Lab Policies and Procedures
- Sample Preparation
- Facility Review
- Staffing
- Emergency Preparedness
- Data Management
- Instrument Setup
- Others

https://isac-net.org/page/SRL
SRL SOP Repository (cont)

How to write a good SOP? Inspiration can be found in section 1.2 of the Cytometry Part A paper published by Barsky et al (Cytometry Part A 89A:1017-1030, 2016), and a SOP template can be found in the supplementary data or on the SRL SOP Repository here.
Additional information can for example be found on wikihow Writing a SOP.

CYTO Virtual 2020—Register Now!

ISAC is pleased to announce their first ever virtual CYTO taking place August 4th and 5th you can Register Here for the event. This two day event will include a Shared Resource Labs Live section on August 5th: 5:30 – 6:30 pm EDT (GMT - 4) as well as a SRL Chat Room for the duration of the program.

Shared Resource Labs (SRL) LIVE

Join in live, science-driven presentations and tutorials, with a broad appeal that addresses the challenges of running a successful facility, from data-driven tools for reproducible flow cytometry data to evaluating the merits of a technology. This session will be moderated by Jessica Back, PhD and Anna Belkina, PhD.

Presenters:
Rob Salomon, MSc, Operations and Technology Manager ACRF Child Cancer Liquid Biopsy Program (ACRF CCLBP) Children's Cancer Institute, Former ISAC SRL Emerging Leader
In this session, Robert Salomon will share his experience of building multidisciplinary teams to support cytometry applications both in Australia and internationally.

Nicole Poulton, PhD, Director, Center for Aquatic Cytometry, Bigelow Laboratory for Ocean Sciences
Dr. Nicole Poulton will discuss the application of technology advancements in aquatic cytometry.

Shared Resource Labs Chatroom

Available beginning August 3rd and open for the duration of the program, join the Shared Resource Labs Chat Room to connect with SRL colleagues and discuss SRL-related topics.

Other great content will include: the Virtual Exhibitor Hall Experience, a special COVID-19 Cytometry Session, CYTO Women, CYTO Innovation, Commercial Tutorials and More!

August 4th and 5th, 2020 - Register Now!

https://isac-net.org/page/SRL
Re-cap SRL COVID-19 Operations Survey

The SRL Services Committee sent out a COVID-19 survey to get an idea of how SRLs were responding to the pandemic in terms of operations and policies. The results have been compiled from the 123 respondents between May 5th - 20th. This is a snapshot of what labs were doing at that time, as the status of labs may have changed with more labs opening and policies being developed to work safely in a shared environment. If you missed these results, you can find them here.

Since the release of the survey several excellent webinars and articles have been published providing more information that is relevant to the operation and safety in SRL’s.

Below is a list of SRL-specific resources currently listed on the ISAC website:
ABRF COVID-19 Initiatives and Resources
Association of Biomolecular Research Facilities
COVID-19 European Initiatives at a Glance
Core Technologies for Life Sciences
COVID-19 and Scientific Platform Operation
Canadian Network of Scientific Platforms - Virtual Meetings
A Virtual FlowcytometryUK Facility Meeting to Establish Safe Working Practices in the COVID-19 Era (Summary)
Royal Microscopical Society
Recommendations for Operating Imaging Core Facilities in a Research Environment During the SARS-CoV-2 Pandemic
Dietzel et al., "A Joint Action in Times of Pandemic: The German BioImaging Recommendations for Operating Imaging Core Facilities During the SARS-CoV-2 Emergency"

A full list of COVID-19 related resources is available from ISAC under Resources - COVID-19. Please keep an eye out for many more SRL-focused articles from the upcoming Cytometry Part A Special Issue: SRLs in a Global Pandemic Environment: Lessons Learned from SARS-CoV-2
Highlighted Flow Cytometry Shared Resource Facility

Hugh Green Cytometry Centre

Location:
Malaghan Institute of Medical Research, Wellington, New Zealand

Meet the staff:
Kylie Price - Head of Research Technology
Laura Ferrer-Font - High-Dimensional Spectral Cytometry Specialist
Alfonso Schmidt - Bioimaging Specialist
Sally Chappell - Cell Sorting Specialist
Sam Small - Flow Cytometrist
Sventja von Daake - Cytomics Specialist
Luis Munoz-Erazo - Histocytometry/High Dimensional Imaging Specialist

Instruments in the facility:
Cytek Aurora 5L
Cytek Aurora 4L
Cytek Aurora 3L
BD LSRII SORP 5L
BD LSRRFortessa SORP 6L
BD Influx 6L

What recent accomplishments are you most proud of?
Being elected as ISAC Secretary, becoming an Editor at Current Protocols in Cytometry, getting some of our spectral cytometry work published, securing $7.1 million in philanthropic support for our SRL, building genomic cytometry capabilities, adding Bioinformatics to the SRL and finally, watching our rapidly diversifying and expanding SRL pull together into a wonderful team!

What is one of the unique aspects of your SRL?
I believe we are quite unique in the amount of philanthropic support we have received over the years. I have a wonderful relationship with the Hugh Green Foundation and other philanthropic supporters, who through the development and curation of these relationships, understand:
* How difficult it is to get independent funding and support for SRLs
* The 'edge' new technology platforms can give research programmes and
* The importance of having trained expert SRL staff, supporting scientists to maximise the outputs from their investments. This philanthropic support has enabled us an enormous degree of flexibility, to move and change with the times, meaning we can offer our scientists some of the most cutting-edge technologies, as they come to market. We feel very fortunate to have their support and are forever grateful to them for their trust in our vision and appreciation of the importance of a strong SRL.

Call for submission: Want to have your SRL highlighted? Fill out our SRL form Here to be next. Or copy this link https://forms.gle/JEMPjTZkAwNWrf228

https://isac-net.org/page/SRL
New ISAC Councilors and Officers

The SRL Services Committee would like to congratulate all of the new ISAC Councilors and Officers:

**President-Elect:**
Rachel Errington, UK, Cardiff University

**Secretary:**
Kylie Price, NZ, Malaghan Institute of Medical Research

**New Council Members:**
Anna Belkina, US, Boston University
Sara De Biasi, ITL, University of Modena
Paul Hutchinson, SG, National University of Singapore
Nicole Poulton, US, Bigelow Laboratory for Ocean Sciences
Aja Rieger, CA, University of Alberta
Robert Salomon, AU, University of Technology Sydney / Children’s Cancer Institute
Bill Telford, US, National Cancer Institute

SRL-related Meetings and Webinars

The SRL Services Committee is making every effort to keep us connected and we would like to add your meetings or webinars to the next SRL Newsletter, please fill out the submission form. We are planning to have a link on the ISAC SRL website with the most up to date meeting and webinars available based on your submissions.

CYTO U has made all of their content free to all. Below is a list of recent webinars. For more visit **CYTO U**.

### Upcoming Meetings

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Dates</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYTO Virtual 2020</td>
<td>August 4-5, 2020</td>
<td>Anywhere you are!</td>
</tr>
<tr>
<td>MetroFlow</td>
<td>October 22, 2020</td>
<td>Kean University, Union, NJ</td>
</tr>
<tr>
<td>CYTO 2021</td>
<td>June 12-16, 2021</td>
<td>Brussels, Belgium</td>
</tr>
</tbody>
</table>

### Webinars

<table>
<thead>
<tr>
<th>Program</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>FlowTex recorded webinars</td>
<td>FlowTex mission is to provide education and discussion for the flow cytometry labs and users in Texas and surrounding areas</td>
</tr>
<tr>
<td>Francis Crick Institute webinars</td>
<td>A library of Flow cytometry Training webinars</td>
</tr>
<tr>
<td>OpenFlow Cytometry</td>
<td>Series of webinars related to running DIVA</td>
</tr>
</tbody>
</table>

https://isac-net.org/page/SRL