

CLyDRN Fundraising Committee

Report 10-Nov-2021



Discussion

1. Which project(s) or questions should we target?
2. Which voices are missing or under-represented?

Theme: Missed voices = missed opportunities



Mandate

Develop **funding strategies** and partnerships to ensure the sustainability of the CLyDRN beyond the original grant period funded by the Canadian Institutes of Health Research (CIHR).

Leverage the expertise and resources of the CLyDRN to pursue additional granting opportunities and financial support from donor organizations, companies, and individuals.

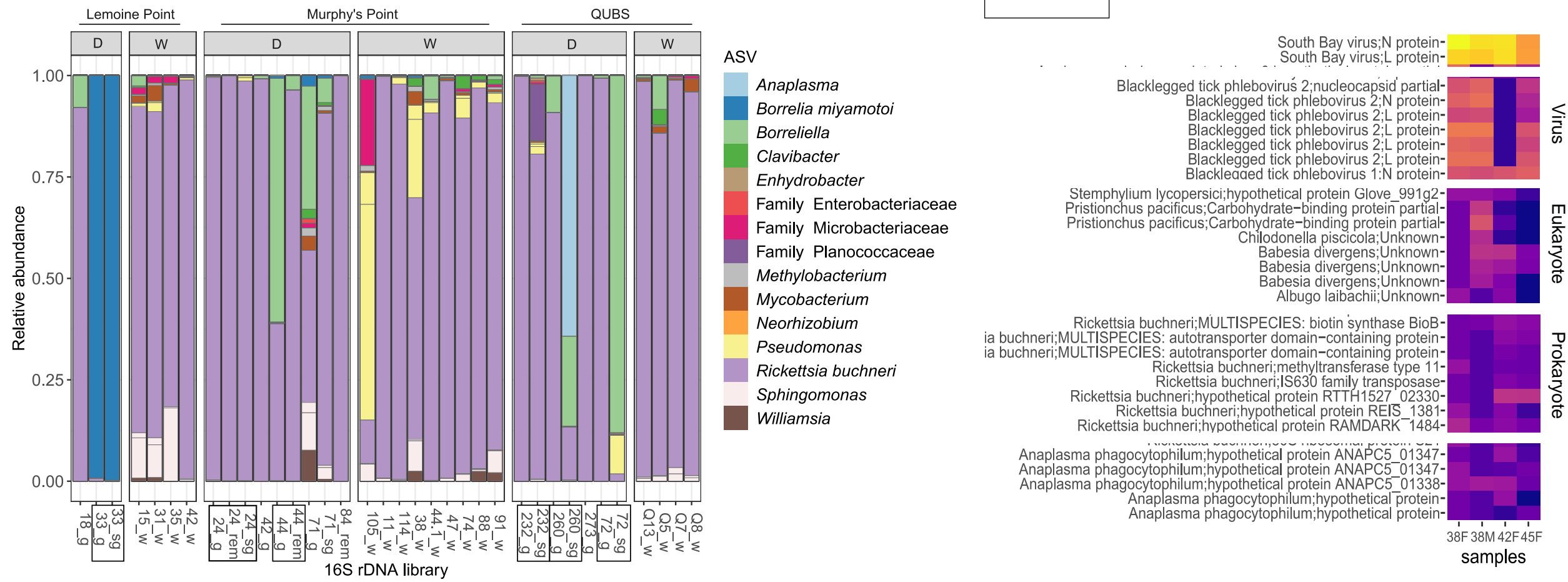


PCAC Research Gaps

- New and more reliable testing
- Misconceptions and unawareness (physicians)
- Barriers to diagnosis
- Late-stage/chronic/post-treatment LD
- Other Tick-borne diseases (e.g. coinfections)

2020 Early Results

Tick microbiome sequencing, Kingston-Ottawa



2020 Early Results

Diagnosis prediction from symptom profiling

Variable	Lyme disease	Lyme + Other TBD	No HP & No Diagnosed TBD	Other TBD
Lyme disease	42	0	0	0
Lyme + Other TBD	0	10	0	0
No HP Diagnosed TBD	0	0	61	2
No TBD	2	0	60	0
Other TBD	0	0	0	4

2020 Early Results

Emilie Norris-Roozmon, MSc

Diagnosis prediction from symptom profiling

Variable	Lyme disease	Lyme + Other TBD	No HP & No Diagnosed TBD	Other TBD
Lyme disease	42	0	0	0
Lyme + Other TBD	0	10	0	0
No HP Diagnosed TBD	0	0	61	2
No TBD	2	0	60	0
Other TBD	0	0	0	4
N/A	117	0	60	143
Unknown TBD	0	7	4	3

2020 Early Results

Dr. Benoit Talbot

Dr. Manisha Kulkarni

Framework for convergence research on vector-borne diseases

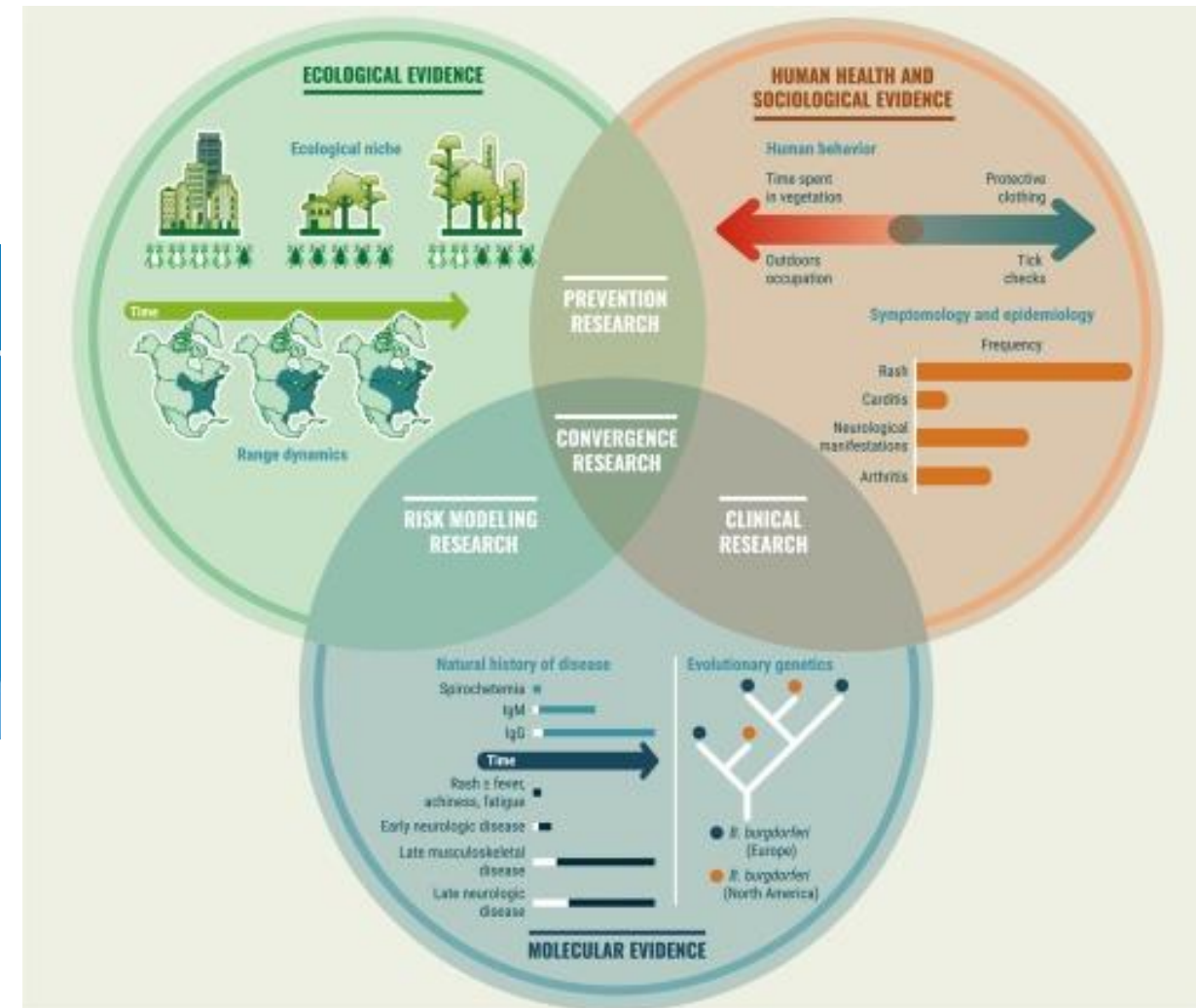
Trends in Parasitology

FORUM | VOLUME 37, ISSUE 6, P465-467, JUNE 01, 2021

Convergence Research for Emerging Zoonoses

Benoit Talbot • Manisha A. Kulkarni • Robert I. Colautti

Published: April 12, 2021 • DOI: <https://doi.org/10.1016/j.pt.2021.03.008> • Check for updates





2020 Grant Applications

Supported 3 grant applications:

FUNDED:

- 100K Ontario Early Researcher Award (Tick Borne Disease trainee support)

- 75K Wicked Ideas Fund (high-risk, high-reward seed funding)

IN REVIEW (2021):

- 200K New Frontiers Research Fund Exploration (high-risk, high-reward seed funding)

NOT FUNDED:

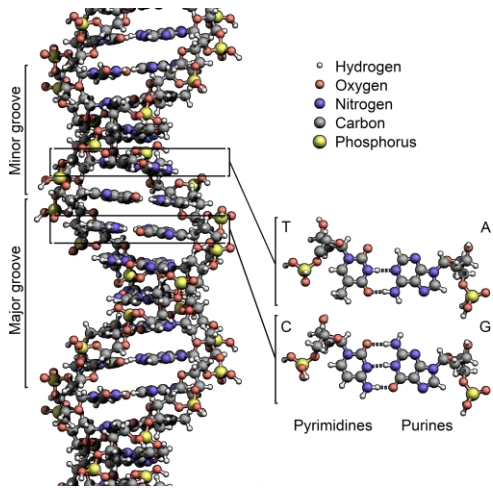
- 26M New Frontiers Research Fund Transformation (high-reward, transformative project)

2020 Project Themes

Dr. Prameet Sheth

Dr. Calvin Sjaarda

New tools for rapid detection, identification, and monitoring of tick-borne diseases



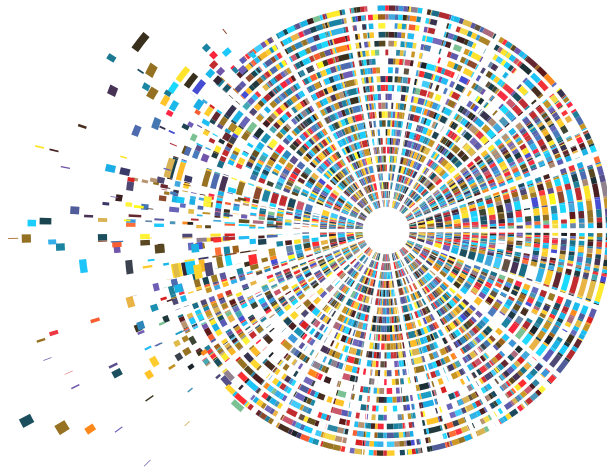
Molecular Markers



Portable Lab



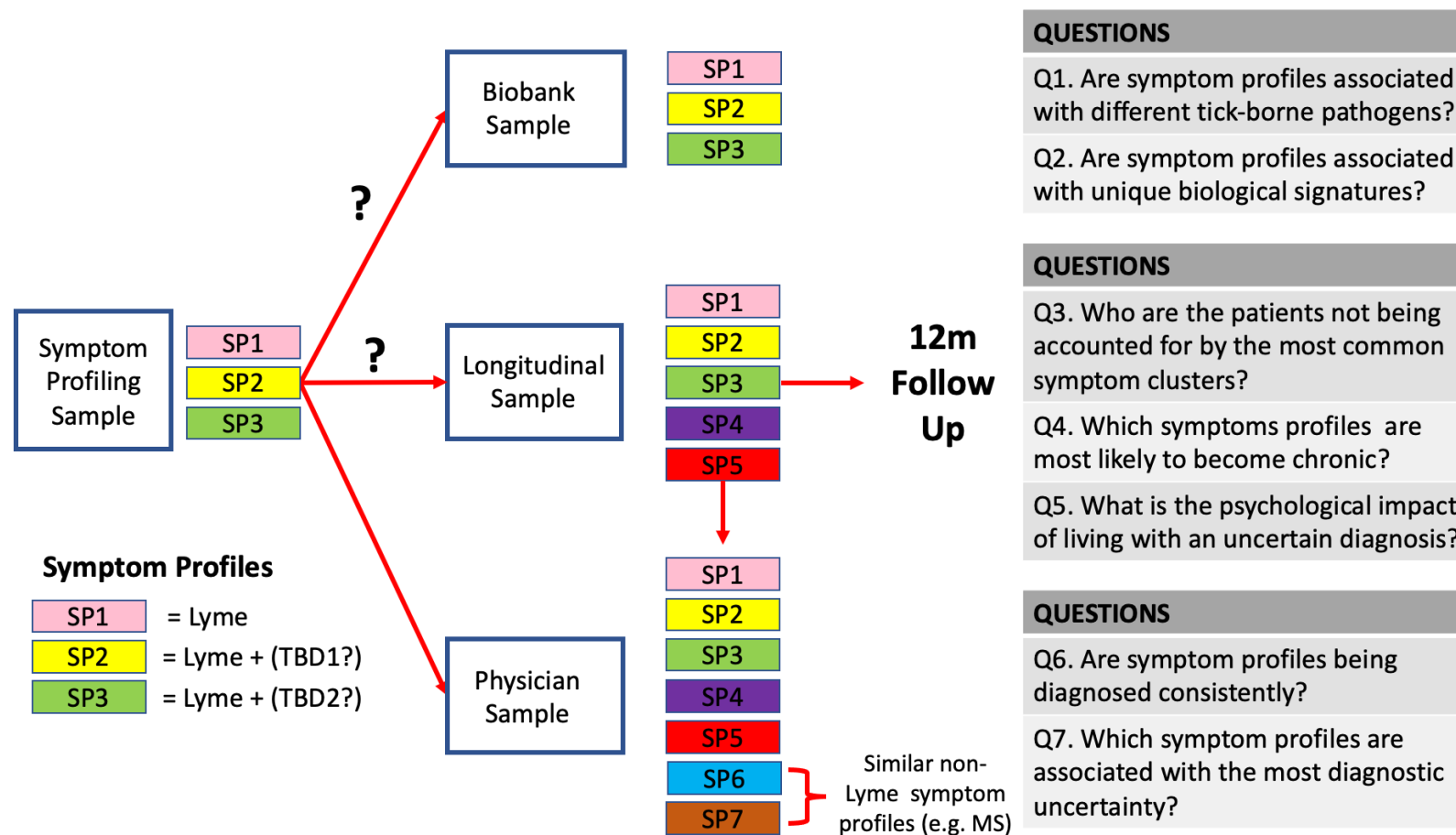
Rapid Sequencing



Analysis Tools

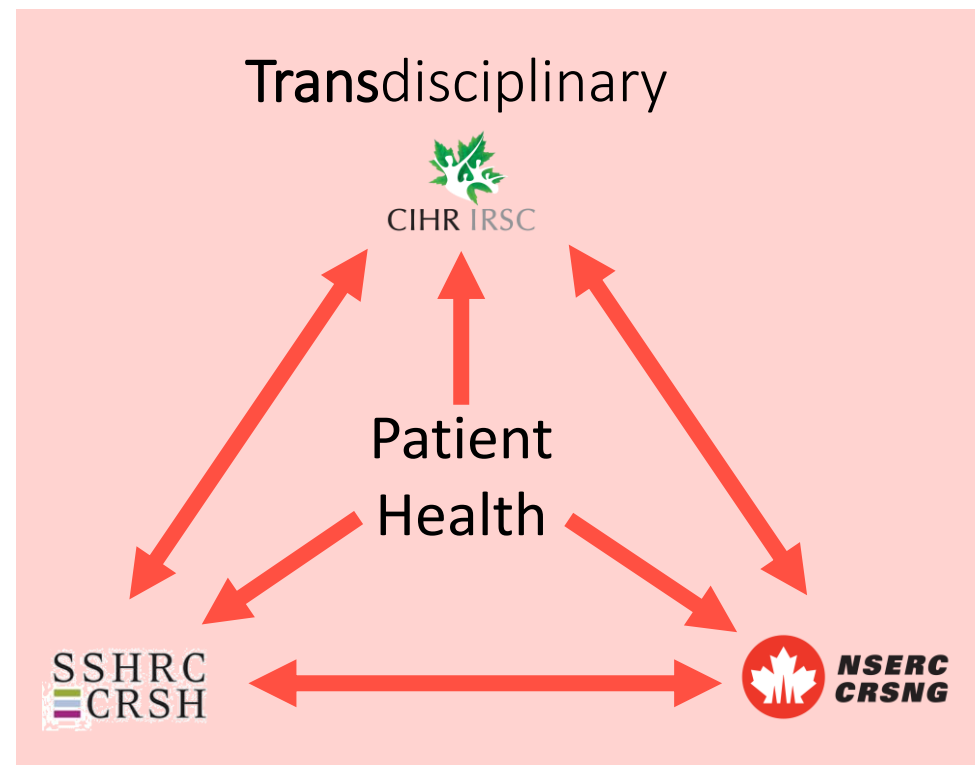
2020 Project Themes

Understanding symptoms, diagnoses, and definitions



Convergence (transdisciplinary) research

Convergence research brings together different research 'silos' to form novel research frameworks to solve complex problems in support of a societal need.



Lyme Disease 'Hack-a-thon'

The poster is a vertical rectangle with a dark background. At the top left is the 'EXPERIENCE VENTURES' logo, which consists of a stylized 'X' made of four colored lines (red, yellow, green, blue) followed by the text 'EXPERIENCE VENTURES' in white. The main title 'Emerging Disease Genetics and Ecology (EDGE) of Lyme Disease' is written in large, bold, white letters on a dark rectangular background. Below this, in smaller white text, is 'Convergence research program on tick-borne diseases'. To the right of the title, the text 'APPLY to be a student delegate TODAY' is written in white, with 'TODAY' in a larger font. Below this is 'All faculties welcome' in a smaller font. At the bottom right, the dates 'JANUARY 22-29, 2022' are written in large, bold, white letters. At the bottom left, the text 'As a student delegate, you will:' is written in white. The background of the poster features a night cityscape with illuminated buildings and trees.

EXPERIENCE VENTURES

Emerging Disease Genetics and Ecology (EDGE) of Lyme Disease

Convergence research program on tick-borne diseases

APPLY to be a student delegate TODAY

All faculties welcome

JANUARY 22-29, 2022

As a student delegate, you will:

Undergraduate students

Paid participation (\$525)

Looking for input on activities, themes, sponsorships, etc.

Funded in part by

Canada



Members

Patient Co-chair – OPEN

Researcher Co-chair – Rob Colautti

Network Liaison – Veronica Harris-McAllister

Stakeholder Representative – OPEN

PCAC Liaison – OPEN





Discussion

1. Which project(s) or questions should we target?
2. Which voices are missing or under-represented?

Theme: Missed voices = missed opportunities