



# OBJECTIVE

To describe perspectives of technology transfer experts (TTEs) at Canadian universities on tensions between open science (OS) and intellectual property (IP) in neuroscience commercialization.

# BACKGROUND

- Emerging frameworks for OS aim to expedite and democratize knowledge translation.
- Programs such as the Canadian Open Neuroscience Platform marry OS principles with brain health and research.
- Many brain research centres exploring open policies find contention where OS and IP frameworks overlap.
- These responses raise ethical concerns about knowledge ownership, stigma, and utilitarianism in commercial pipelines.
- Although TTEs guide research outputs through this evolving landscape, their perspectives have yet to be elucidated.

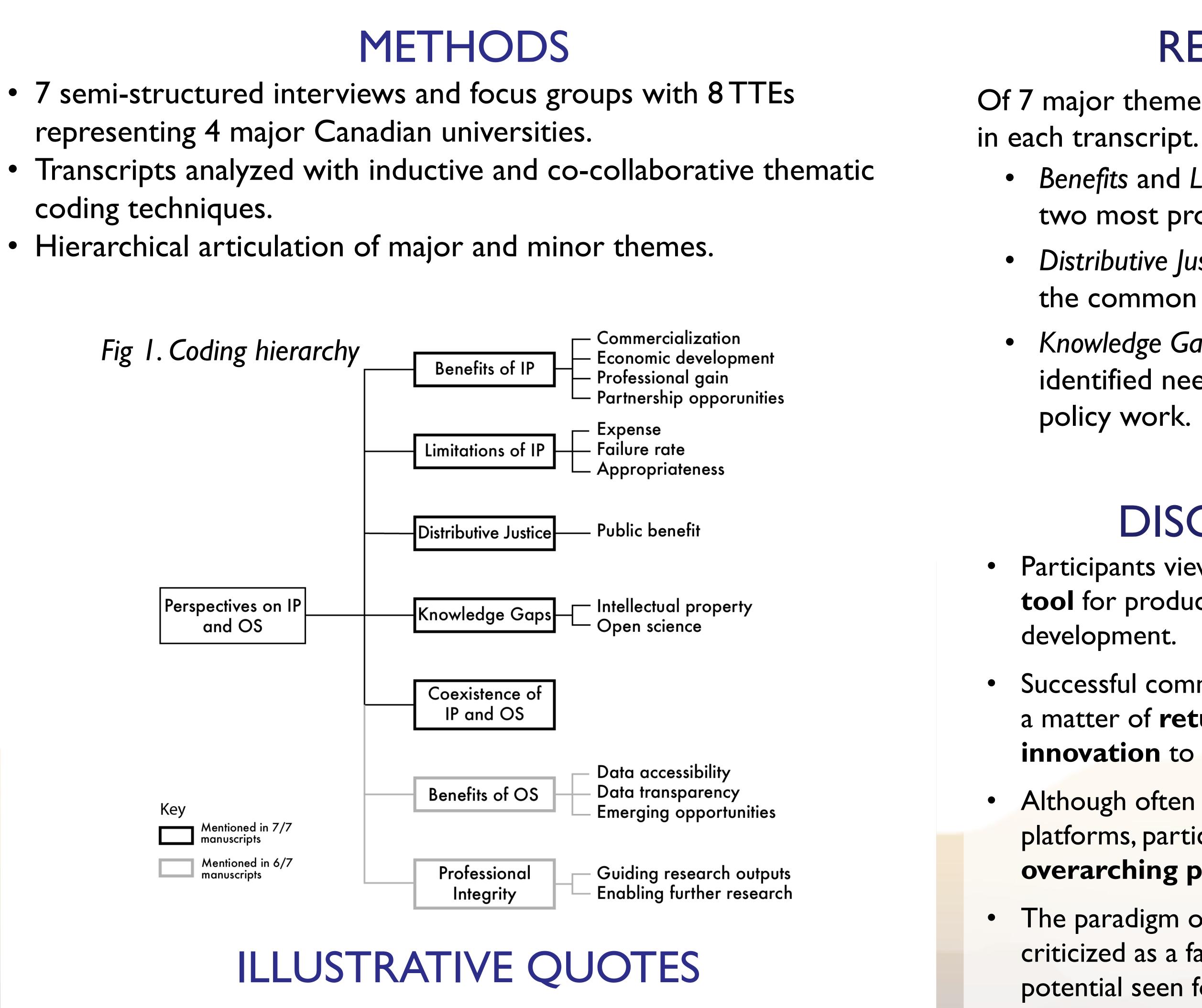
## ACKNOWLEDGEMENTS

Canadian Institutes of Health Research (CIHR) Team Grant: European Research Projects on Ethical, Legal, and Social Aspects (ELSA) of Neuroscience #ERN-174185; North Family Foundation Disclosures: None

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- coding techniques.

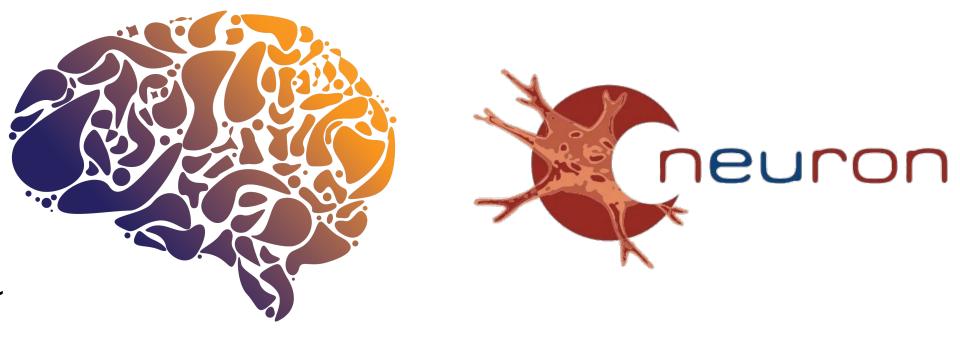


### "Patents are sort of a required element for life science research to be actualized in products. Because [development is] so expensive, you need some sort of property right to protect the investment."

"Filing for a patent is quite expensive, especially when you pursue protection in numerous countries simultaneously... I've seen expenditures as high as \$200,000 to \$250,000."

On Benefits of IP

On Limitations of IP



"Maybe we should work with foundations on a global health basis to get this developed and made freely available to communities that need it... the public good, it should be part of the conversation."

On Distributive Justice

# RESULTS

Of 7 major themes identified, 5 appeared

• Benefits and Limitations of IP were the two most prominent major themes.

Distributive Justice linked innovation to the common good.

Knowledge Gaps and Coexistence identified needs for education and policy work.

# DISCUSSION

Participants viewed IP as a strategic tool for product, business, and economic

Successful commercialization was seen as a matter of **returning benefits of** innovation to the public.

Although often unfamiliar with OS platforms, participants supported the overarching principles.

The paradigm of "OS versus IP" was criticized as a false equivalency, with great potential seen for the frameworks to constructively intertwine.

Rather than a one-size-fits-all approach, optimal commercialization pipelines may leverage unique strengths from OS and IP frameworks to match the research context.