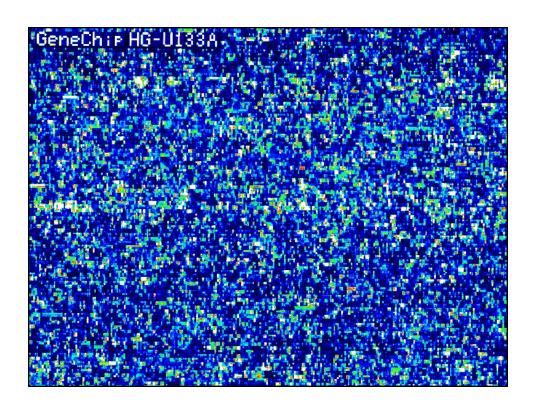
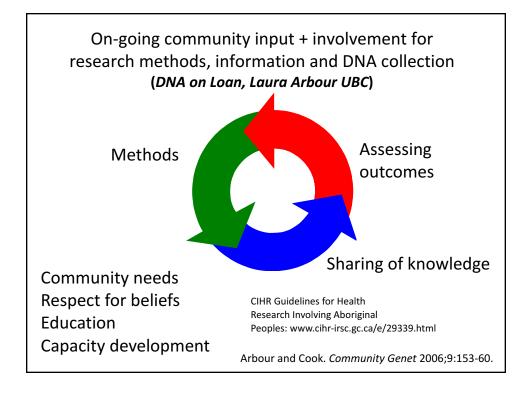
Respectful genetics research with indigenous communities

2016 CAHS Forum, Montreal Sep 15 1330-1430 h

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CIHR guidelines for health research involving aboriginal peoples

 Article 13: Biological samples should be considered "on loan" to the researcher unless otherwise specified in the research agreement.

Tri-council policy statement Chapter 9.40 section 9.19

"As part of community engagement, researchers shall address and specify in the research agreement the rights and proprietary interests of individuals and communities, to the extent such exist, in human biological materials and associated data to be collected, stored and used in the course of the research."

Indigenous peoples' concerns with genetic research

- Displaced research monies (priorities not addressed)
- Issues of trust: 'helicopter research'
- Genetic study might violate a particular group's cultural beliefs
- Secondary use of DNA and cell lines for research for which consent was not given, including research that traces ancestry
- General concerns of vulnerability to exploitation of the Aboriginal communities for the benefit of mainstream science and economics.

The impact of genetic study

"To us, any part of ourselves is sacred.

Scientists say it's just DNA.

For an Indian, it's not just DNA, it's part of a person, it is sacred, with deep religious significance.

It is part of the essence of a person."

Frank Dukepoo, Interview, San Francisco Chronicle, 1998

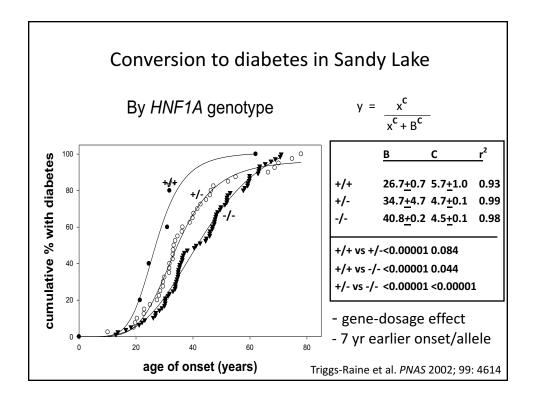
Why would a community be in favor of genetic research?

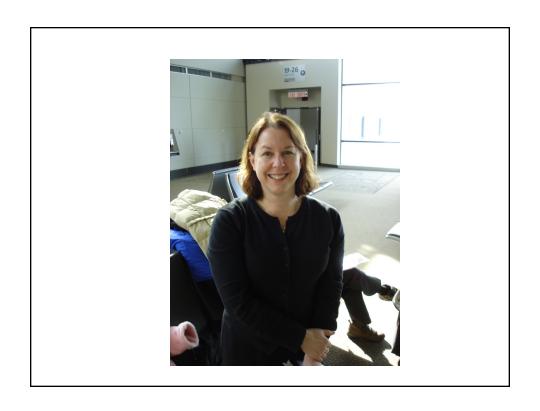
Value to the community (priority based)

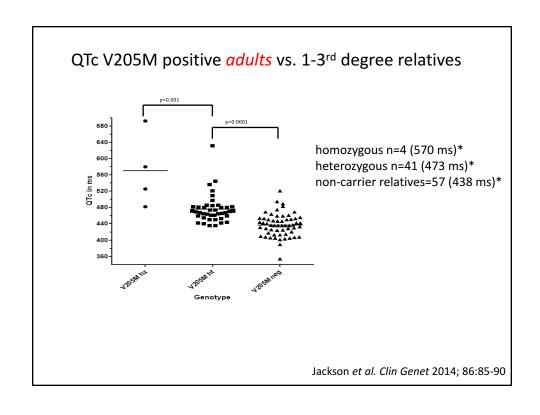
- Genetic disease has a significant impact on the community, and prevention is possible (e.g. inherited arrhythmias, cardiomyopathies, cancer, inherited metabolic disease)
- Genetic component of disease may be important to the final understanding (e.g. SLE, arthritis, diabetes, CVD)
- To study the genetic component of a disease may be destigmatizing (e.g. congenital anomalies, autoimmune liver disease)

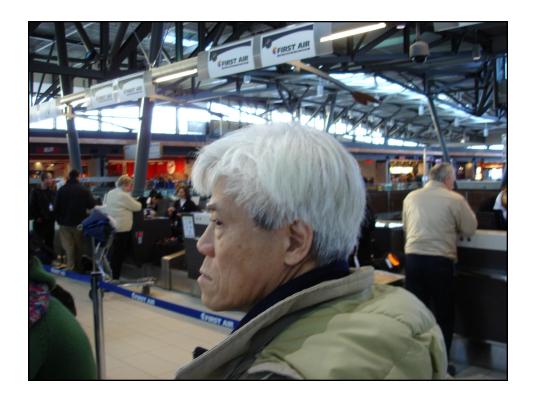


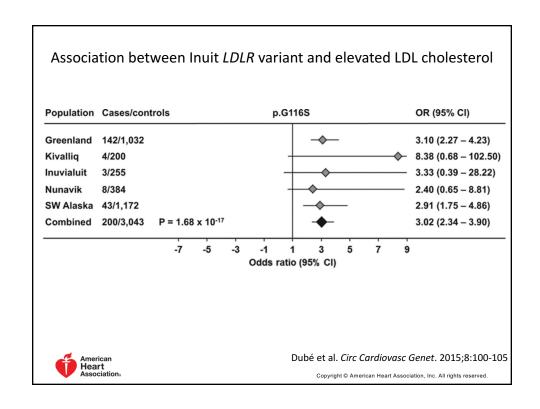


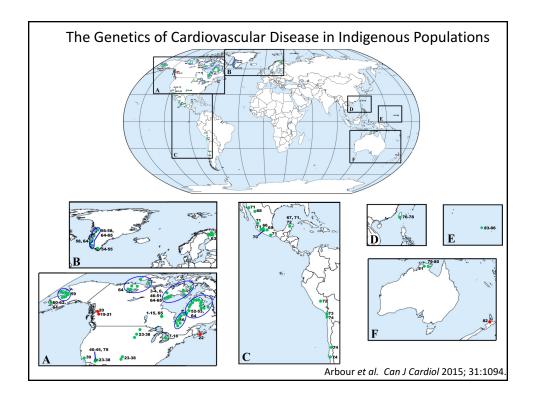












Community role

- Initiation of the research
- Development of protocol
- On-going advisory
- Local research assistants
- Review of results
- Review of manuscripts before submission
- New applications
- Continuous conversation (updates, results, research challenges)







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