

PACEOMICS

© **Personalized, Accessible, Cost-Effective Omics
Technologies** (Chris McCabe, Tania Bubela, Project Leaders)

PACEOMICS AIMS

Facilitate development and implementation of coherent and cost-effective 'omics health technologies in **Canadian health care** by:

1. Creating a feedback between investment and reimbursement decisions
 2. Better target investments to those interventions with greatest positive impact
- Test through disease case studies (breast cancer, liver cancer, Type 1 Diabetes, retinopathies, Long QT, Hepatitis C)
 - Validate through partner case studies

PACEOMICS TEAM

Theme 1: Social Values and Public/Clinician Perceptions of PM Technologies

Chris McCabe – Faculty of Medicine and Dentistry, University of Alberta

Dev Menon – School of Public Health, University of Alberta

Tim Caulfield – Faculty of Law, University of Alberta

Theme 2: Health technology Appraisal and Efficient Evidence Development

Chris McCabe – Faculty of Medicine and Dentistry, University of Alberta

Jonathan Kimmelman – Faculty of Medicine, McGill University

Theme 3: Legal and Regulatory Environment

Tania Bubela – School of Public Health, University of Alberta

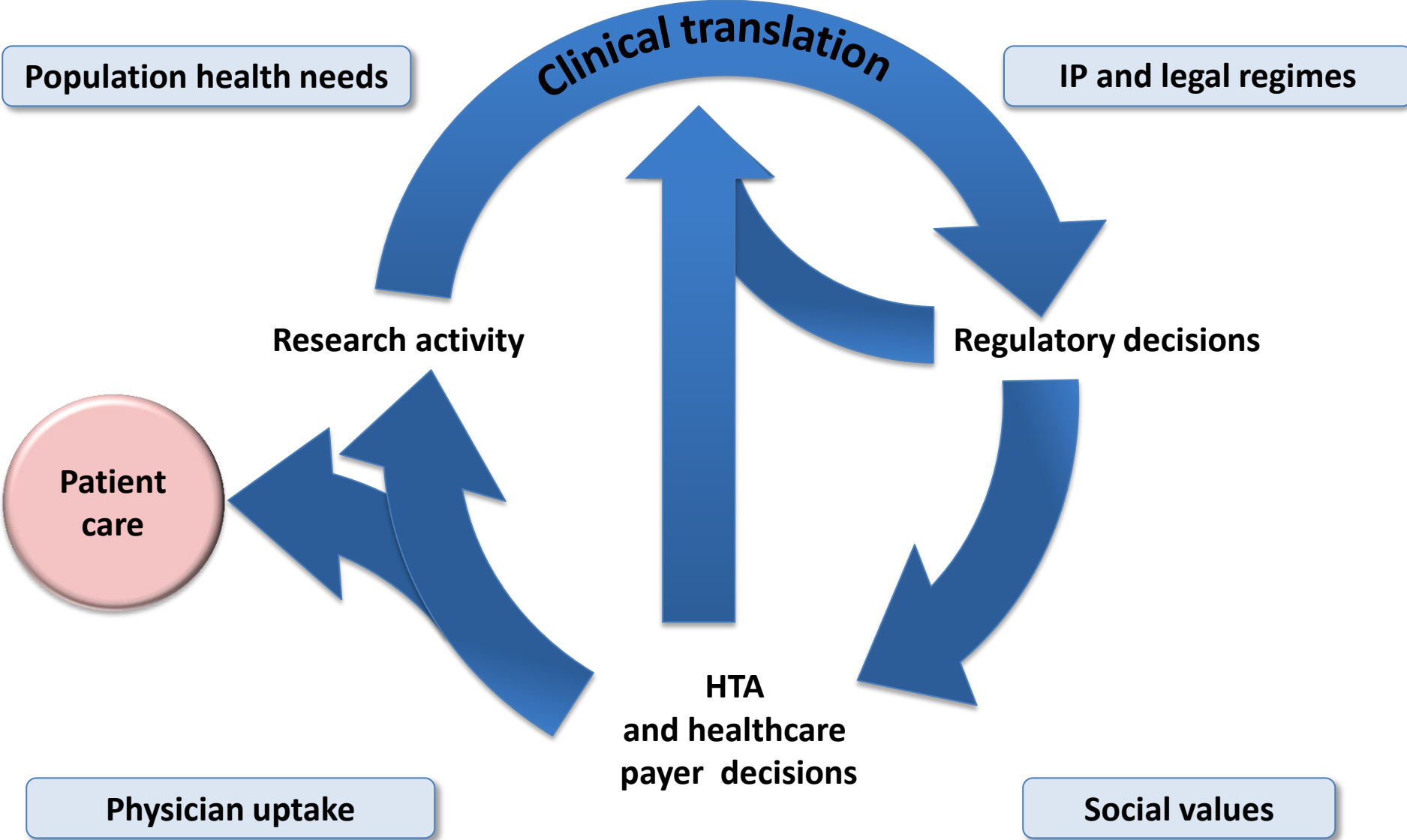
Timothy Caulfield – Faculty of Law, University of Alberta

Theme 4: Technology Development Landscape and Intellectual Asset Management

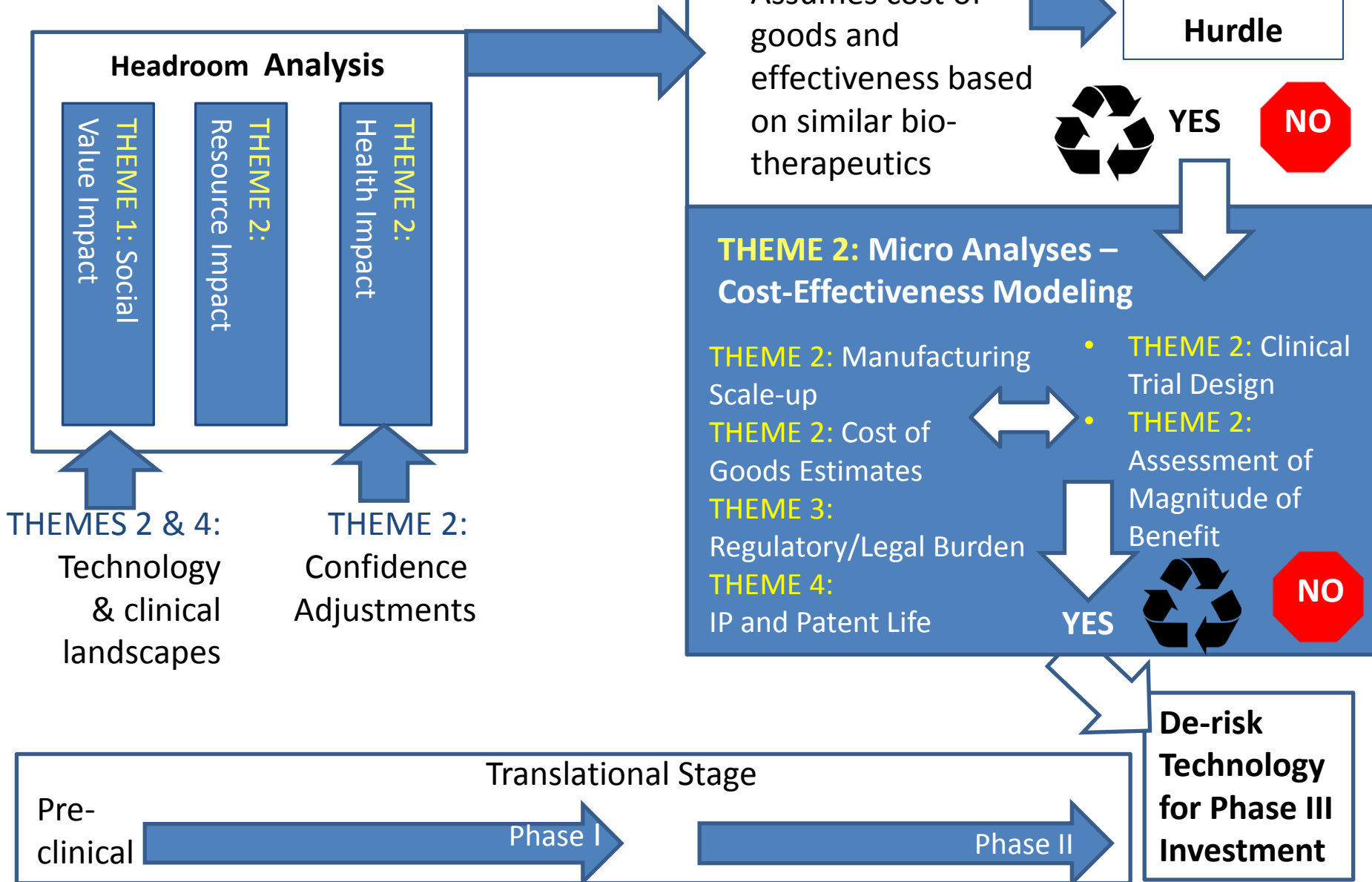
Tania Bubela – School of Public Health, University of Alberta

Richard Gold – Faculty of Law, McGill University

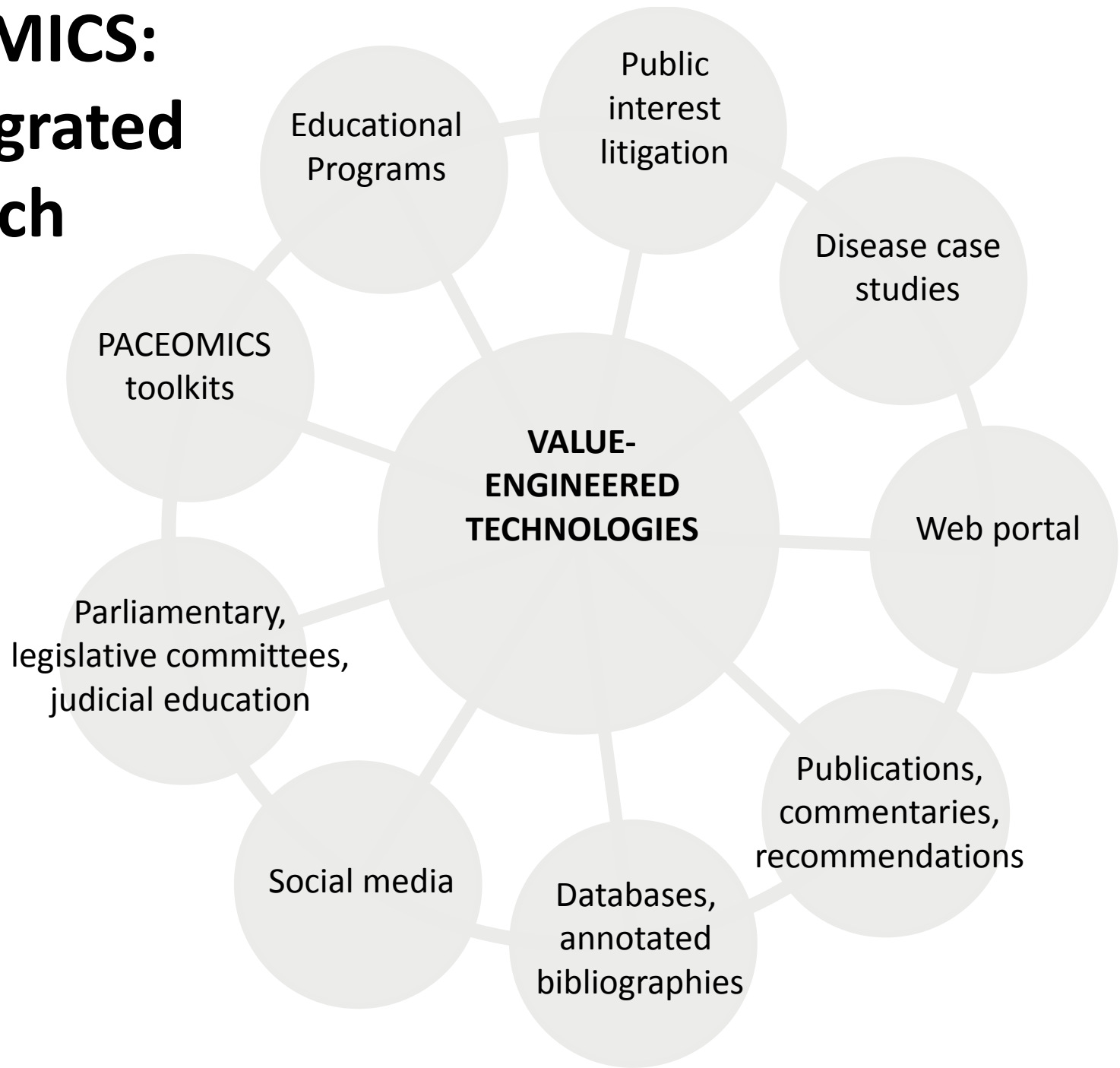
Efficient translation of PM technology



PACEOMICS VALUE-ENGINEERED FRAMEWORK FOR CANDIDATE PM TECHNOLOGIES (VET)



PACEOMICS: an integrated approach



McGill PACEOMICS

Theme 2: Efficient Evidence Development

Jonathan Kimmelman – Biomedical Ethics / Social Studies of Medicine / Dept. Human Genetics

Post-Doc: Dr. Spencer Hey

RA: Georgina Freeman

Theme 4: Intellectual Asset Management

K2A Program: Public interest litigation

Richard Gold – Faculty of Law/ Dept. Human Genetics

McGill Program Manager, Research Associate:
Dr. Sarah Ali-Khan

RAs: Clarissa Allen, Eric Gashirabake, Kate Goddard,
Megan Hodges, Paul Holden, Frédérique Horwood,
Jeyachandran Kumarasamy, Lana McCrea, Lipi Mishra,
Joel Roy, Gajan Sathananthan, Nicholas Torti, Brittany
Trafford, Pierre-Olivier Valiquette

Engineering incentives

Theme 2: Efficient Evidence Development

- Tracing evolution of evidence for predictive cancer biomarkers
- Examining coordination of research activities and efficiency in providing answers to questions caregivers need addressed

Theme 4: Intellectual Asset Management

- Mapping literature on public policy/ethical issues relating to IP management in Personalized Medicine (1980 - 2013)
 - patient access to PM products
 - efficiency of collaboration, enabling knowledge flows to spur innovation
 - recommendations and annotated bibliography
- Long QT Syndrome case study

Knowledge to Action/Public interest litigation

Thanks to:



GenomeCanada



GenomeQuébec



GenomeAlberta

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www.paceomics.org