UVic Health Sciences Initiative

“Advancing Lifelong Health for All”

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Lisa Kalynchuk, Associate Vice-President Research

Health Sciences Initiative

Purpose: Enhance the quality and raise the profile of health research and academic programs at UVic

Process: Work being advanced by an advisory group, which will produce a concept paper in spring 2019

- Launched with two events for Deans and Associate Deans / Research Centre Directors
- Executive support
- Joint initiative by VPAC and VPR
- Alignment with Strategic Research Plan, Strategic Framework and Rankings & Reputation Initiative

Advisory Group Members

- Lisa Kalynchuk, OVPR
- Tony Eder, VPAC
- Bruce Wright, DMS
- Chris Goto-Jones, HUMS
- Scott Hofer, IALH/SOSC
- Caroline Cameron, SCI
- Alex Brolo, CAMTEC/SCI
- Karen Urbanowski, CISUR/HSD
- Nick Dechev, ENG
- Francis Lau, HSD
- Ryan Rhodes, EDUC
- Charlotte Loppie, HSD
- Mike Masson, SOSC
- Robin Syme, CanAssist
- Jennifer Vornbrock, VPER

Andrea Knittig, OVPR
Kaitlyn Roland, OVPR
Ased Said, VPAC

Health Sciences Initiative

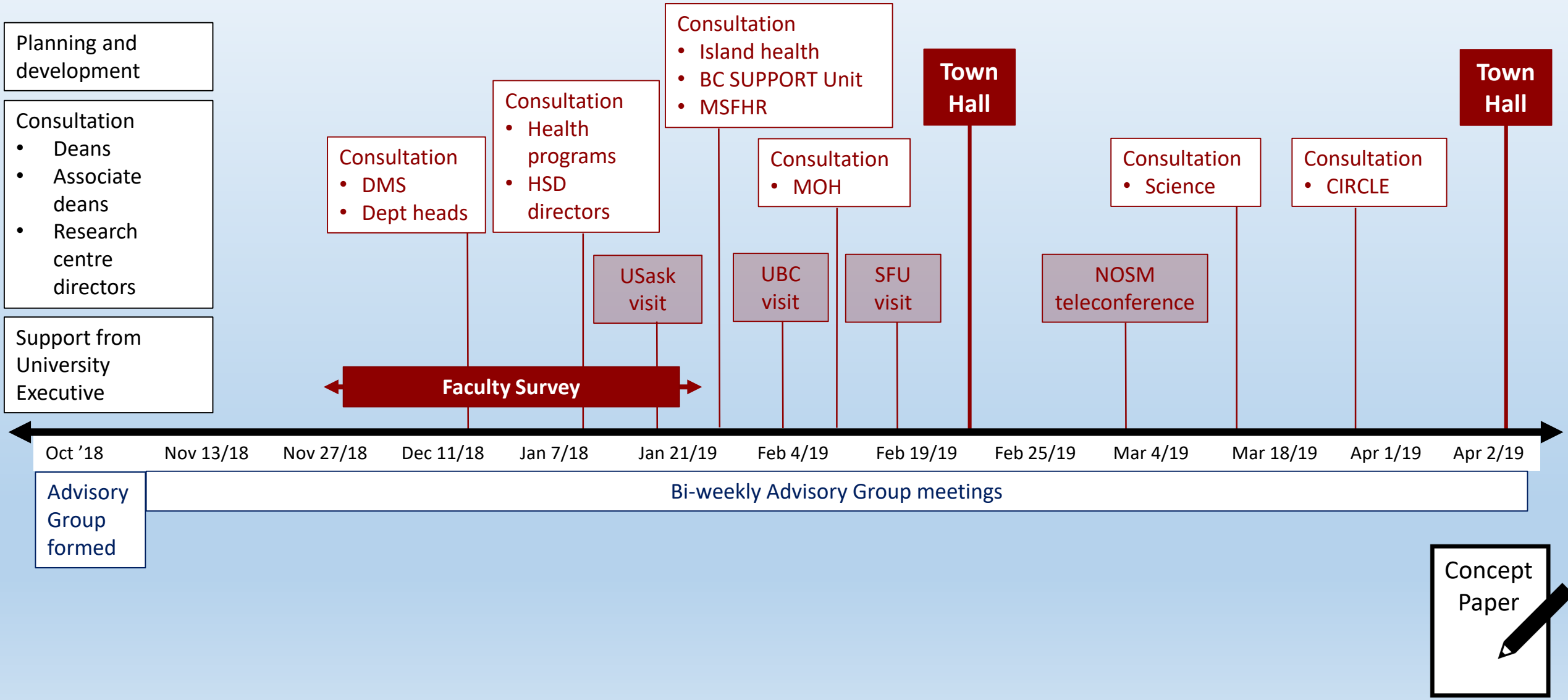
Recommendations will be organized within 4 pillars:

- Research Priorities
- Academic Programs
- Structures
- Space / Infrastructure

And three timelines:

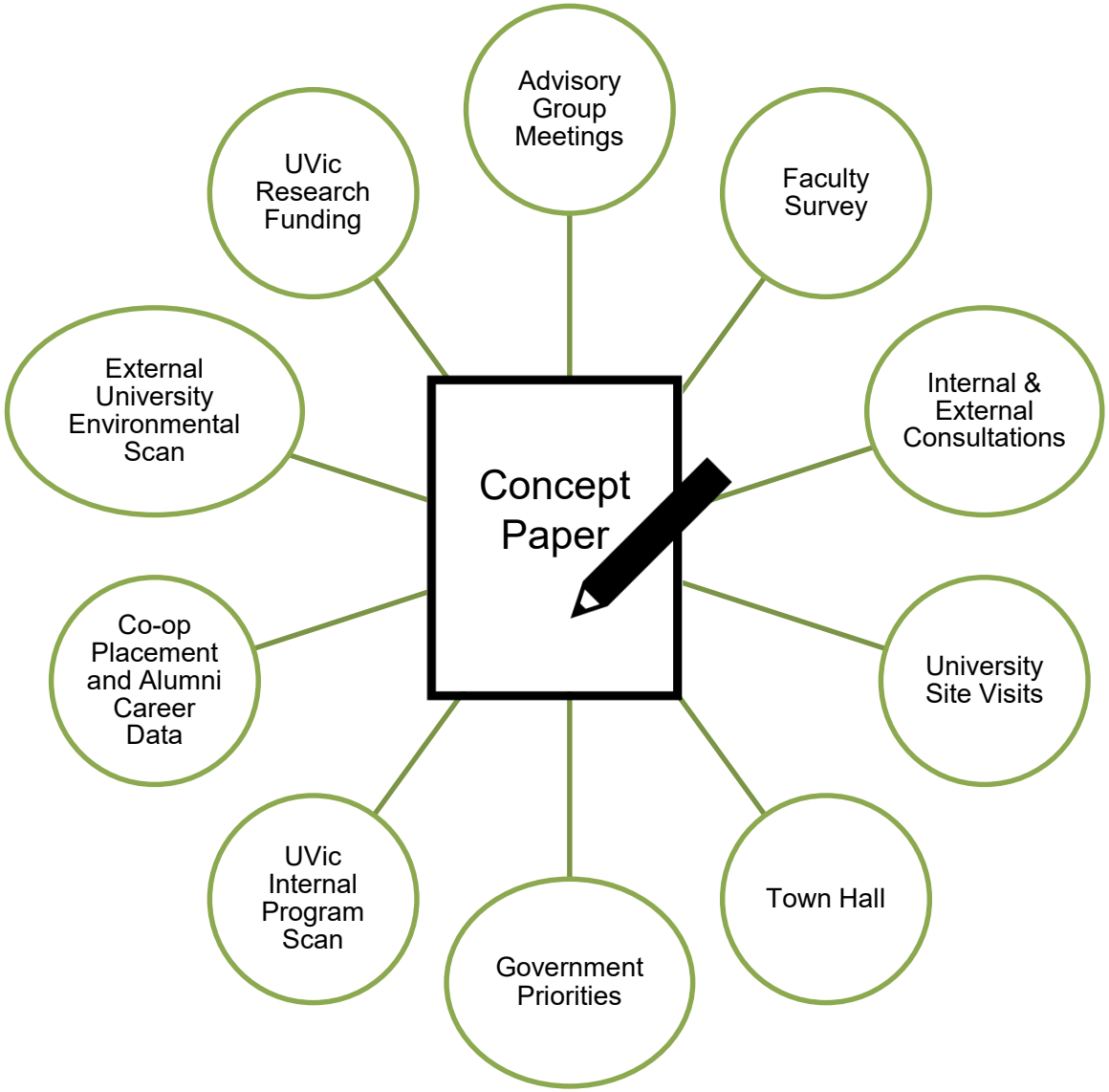
- Short term (1-2 yrs)
- Medium term (3-5 years)
- Long term (6-10 years)

HSI Process Summary



HSI Data Sources

The concept paper is the **intention** to move forward -- both a roadmap and the start of a conversation



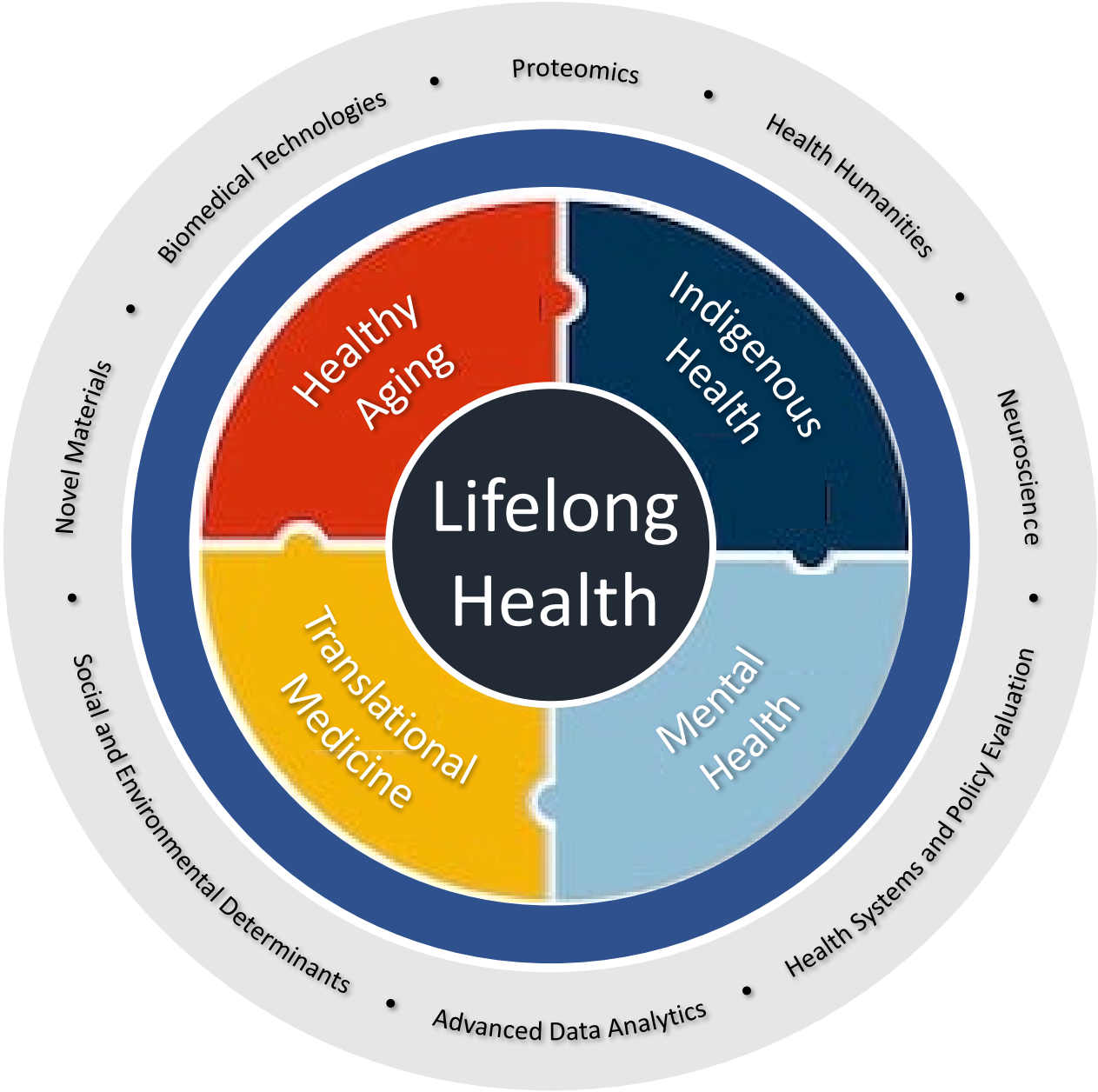
What did we learn from the consultations?

- Be courageous, identify signature areas based on evidence and sound judgement
- Support excellence across multiple areas of activity
- Support pre-award grant support
- Provide internal funding to get projects off the ground
- Reward success
- Break down silos and enhance interdisciplinarity
- Create more opportunities for local interactions
- Plan for more space – labs and meeting spaces

- Willingness among stakeholders in BC to partner with UVic

Research Pillar

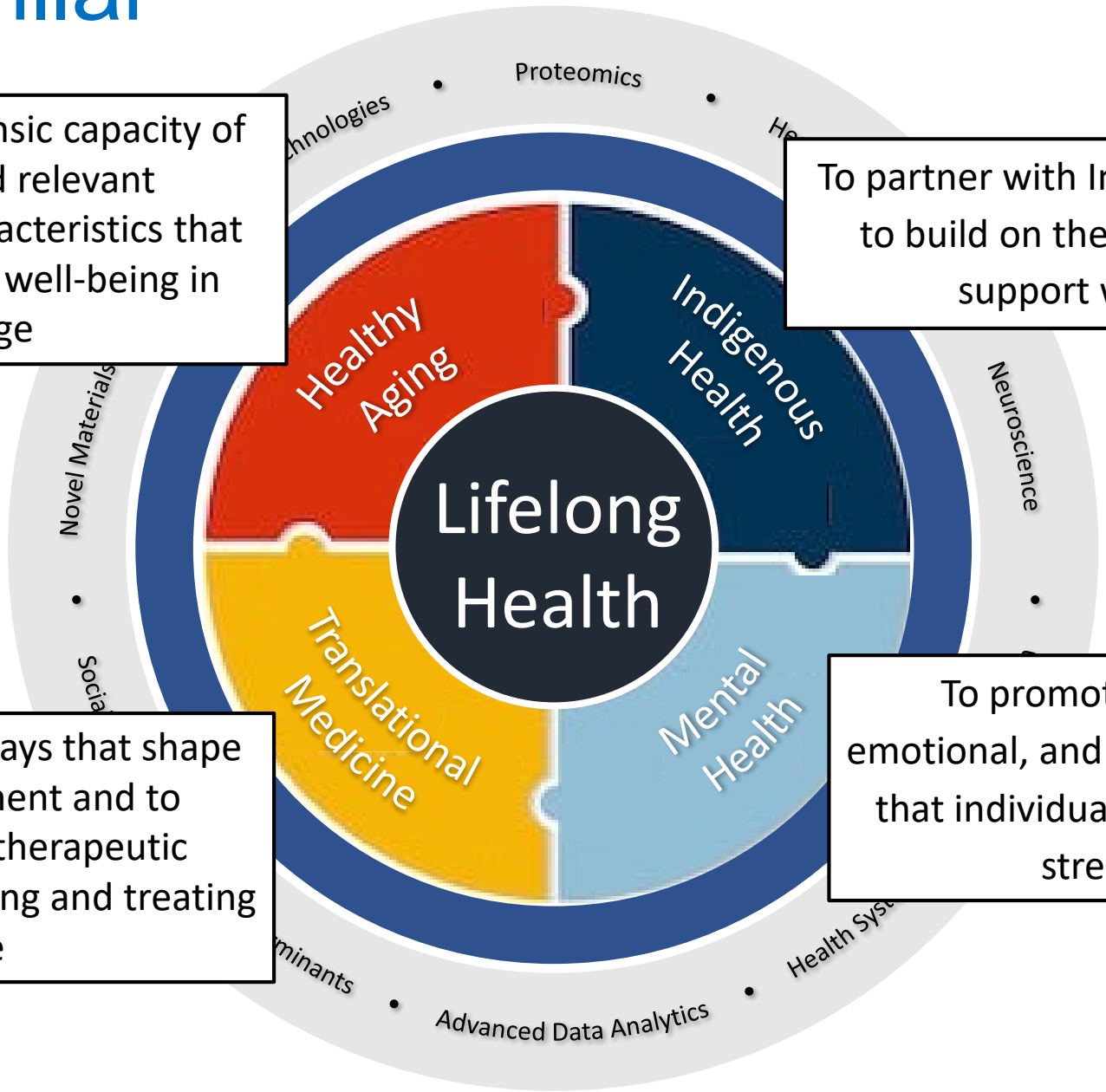
Lifelong Health: the application of diverse approaches and tools to optimize individual and community health and wellness across the life course.



Research Pillar

To support the intrinsic capacity of individuals and relevant environmental characteristics that enable health and well-being in older age

To partner with Indigenous peoples to build on their strengths and support well-being



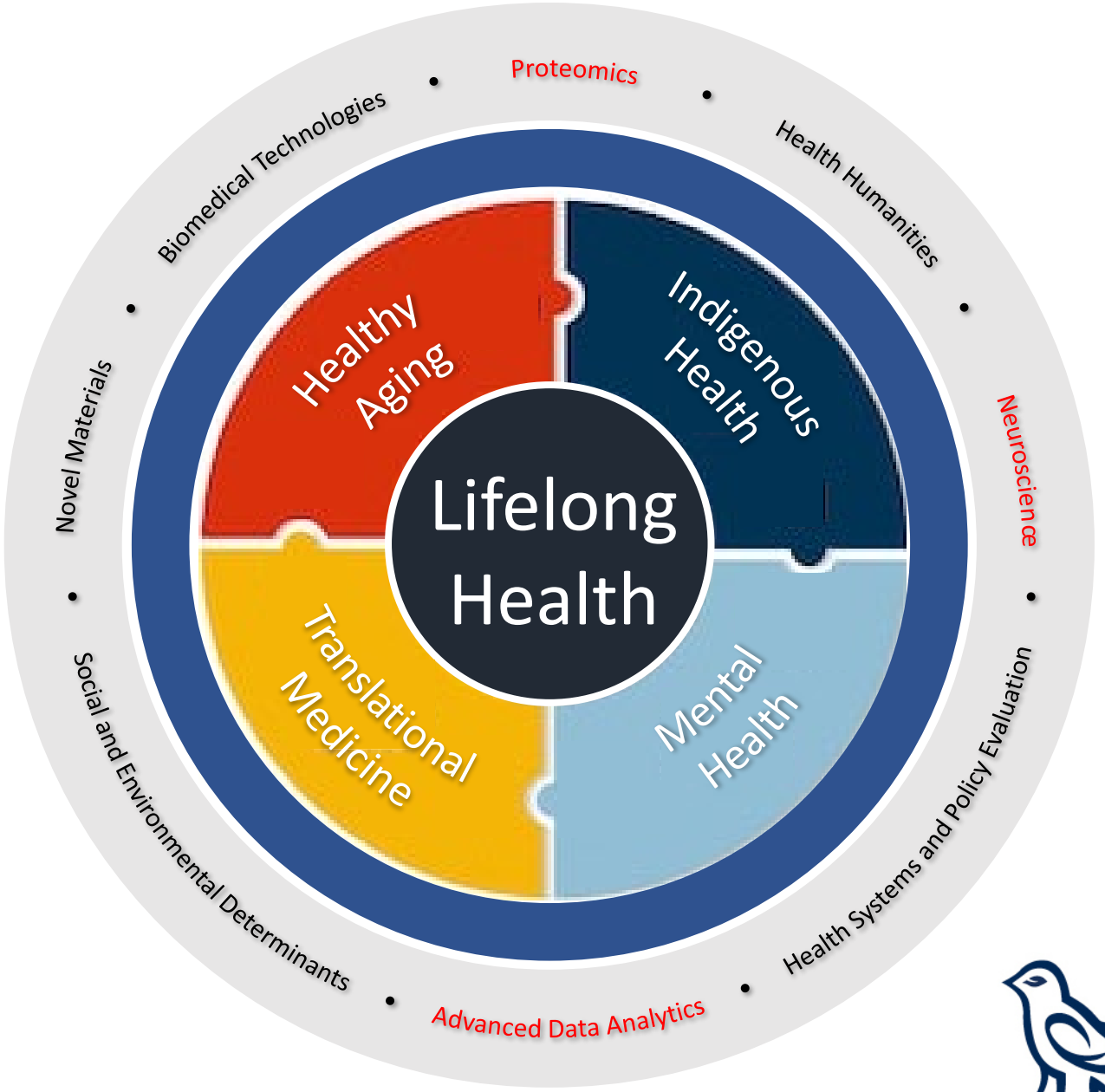
To understand pathways that shape disease development and to implement novel therapeutic strategies for preventing and treating disease

To promote psychological, emotional, and societal well-being so that individuals can cope with the stresses of life

Proteomics: The large scale study of proteins and their functions.

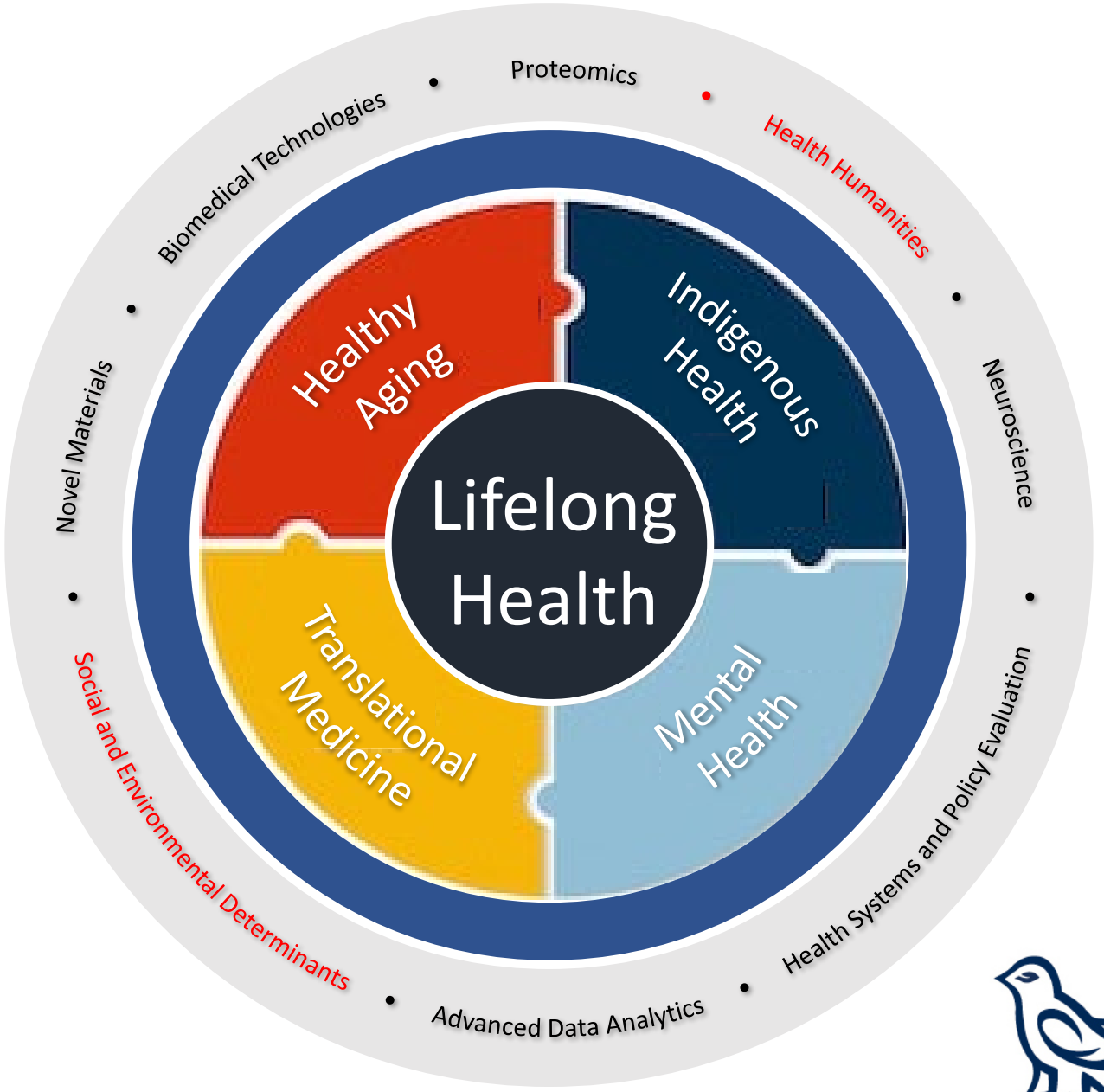
Neuroscience: The interdisciplinary study of the brain and nervous system and ways in which components of the nervous system affect behavior.

Advanced Data Analytics: The examination of data or content using sophisticated techniques and tools to discover deeper insights, make predictions, or generate recommendations. Advanced analytic techniques include data mining, machine learning, pattern matching, forecasting, visualization, semantic analysis, sentiment analysis, network and cluster analysis, multivariate statistics and modelling, graph analysis, simulation, complex event processing, and neural networks.



Health Humanities: The application of the creative or fine arts (including visual arts, music, and performing arts) and humanities disciplines to advance discourse about dimensions of human health and well being.

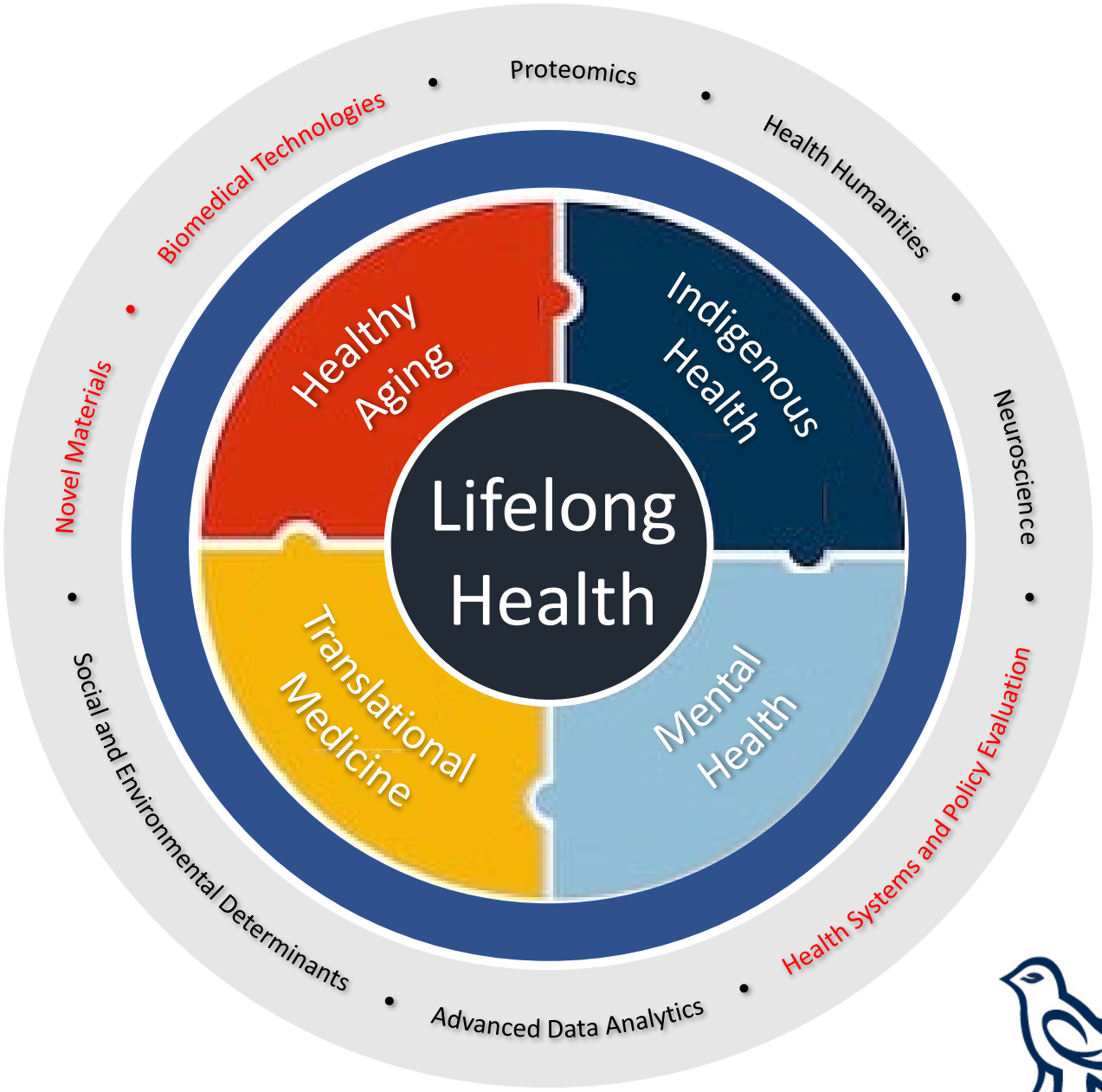
Social and Environmental Determinants: The range of personal, social, political, economic, cultural and environmental factors that shape broad patterns of health and well being.



Novel Materials: The discovery of new physical matter, substances, or devices to improve human health and well being.

Biomedical Technologies: The application of technology and engineering to biological systems and medicine, with a focus on problems related to human health and disease.

Health Systems and Policy Evaluation: The comprehensive study of health systems, health policies, development, and implementation processes that shape quality, efficiency and health equity.



Research Supports

Principles

- Create the conditions for excellence and high quality research
- Look to build a brand and enhance reputation
- Support people, and increase grant success and alternative revenues as important **inputs** for research success
- Take advantage of diverse funding opportunities (e.g., CIHR, NIH, MSFHR, Foundations, Industry, External Partnerships, Donors)
- Recognize and value **outputs and outcomes** that take diverse forms (e.g., publications, new technologies and IP, industry partnerships, trainee success, policy changes, new links with communities, enhanced patient care, social justice and health equity)

Research Supports

Short term strategies (1-2 years)

- Create an internal peer-review process for grant applications (i.e., look to UCalgary's success)
- Hire a grants officer to specialize in health-related applications
- Ensure UVic is well represented on national review committees
- Internal seed $: Highly rated CIHR grants that are not funded should be eligible to receive some internal support to increase competitiveness
- Organize a university wide Health Expo to showcase activity, stimulate collaboration and information sharing, and celebrate success
- Engage Indigenous faculty, students, and community to develop the Indigenous Health signature area
- Pursue meaningful partnerships with external stakeholders
- Enhance translational proteomics partnership with UBC
- Targeted communication to enhance awareness through web-based information, social media, and press releases (e.g., potential faculty and trainees, donors)

Research Supports

Medium term strategies (3-5 years)

- Recruit new faculty strategically into signature areas
- Identify new ways to create research chairs (partnerships, donors)
- Create and/or support more research clusters
- Consider a Translational Medicine Research Centre or Clinical Innovation Hub to bolster research links with Island Health
- Identify ways to encourage faculty to engage with research centres and ensure research centres are financially sustainable (interdisciplinarity)
- Invest in shared infrastructure platforms
- Increase start up packages to be more competitive and give new faculty more opportunities to establish their research program.
- Facilitate knowledge mobilization through meaningful partnerships
- Review metrics on how we *evaluate* and *reward* success at UVic – build a culture of valuing all forms of research outputs and outcomes
- Start a funding campaign for capital and research support

Research Supports

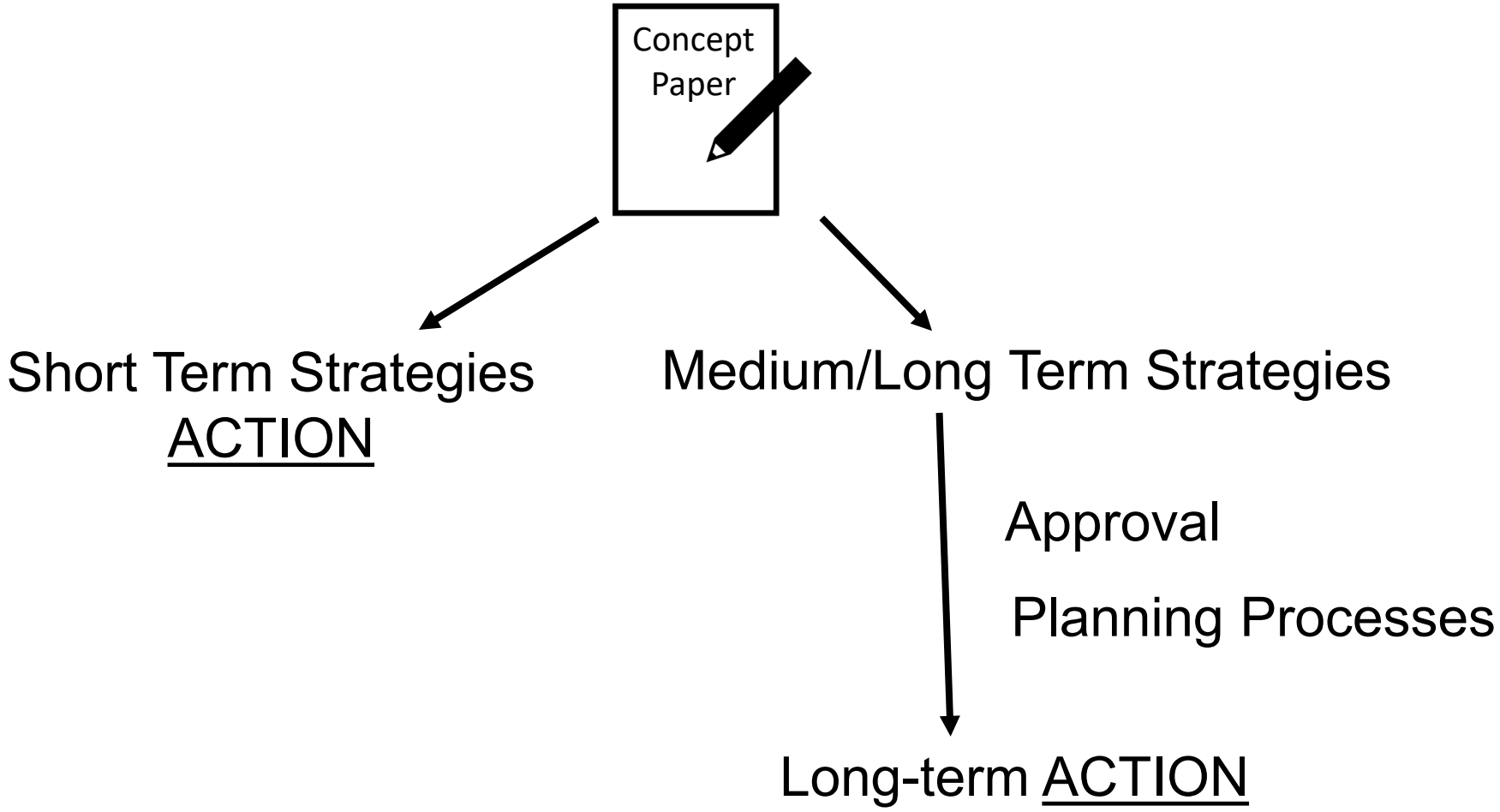
Long term strategies (5-10 years)

- Implement a capital plan to increase research and meeting spaces on campus
- Leverage partnerships to facilitate knowledge translation with the community
- Position UVic to lead provincial initiatives in key areas of strength
- Ensure alignment of strengths in health research and health programs

How do we measure the **success** of the research pillar?

- Increase from <1% to **3-4%** of national CIHR funding
- Establish our HSc **brand** as measured by external surveys and social media buzz
- Demonstrable increase in **collaboration and interdisciplinary activities**
- International **profile** for research centres
- Increased percentage of **first choice faculty hires** and recruitment of **top trainees**
- Support research **output and outcomes** across the board
- Value the **collective**
  - Research revenues
  - Community and relationship building
  - Faculty/research team building
  - Advocacy (services, programs, policy)
  - Artistic contributions
  - Changes in practice

HSI Next Steps…



Questions?

Feedback?

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