

**Space, Health and Innovation:
Emerging challenges, new opportunities and benefits to society**

**Canadian Space Agency Headquarters
John H. Chapman Space Centre
6767, route de l'Aéroport,
St-Hubert, Quebec**

Wednesday, November 29, 2017

DRAFT – Subject to Change

Time	Forum Program Details
12:00 – 1:00pm	Registration
1:00 - 1:45pm	<p>Forum Opening / Welcome</p> <p>Mary Preville, Director General, CSA Policy Gilles Leclerc, Director General, CSA Space Exploration</p> <p>Remarks by Sylvain Laporte, CSA President</p>
1:45 – 2:45pm	<p>Panel 1 - The Health Risks of Spaceflight: an Insider Perspective</p> <p>This session will explore health-related challenges of human spaceflight and realities of dealing with health and medical care in space.</p> <p>Panelists: Dr. David Saint-Jacques, Canadian Astronaut, engineer, astrophysicist and physician Dr. Dave Williams, former Canadian Astronaut, physician, and healthcare administrator Dr. Robert Thirsk, former Canadian Astronaut, engineer, physician, and current Chancellor of the University of Calgary</p>
2:45 – 3:15pm	Networking Break
3:15 – 4:15pm	<p>Panel 2 - Space and Terrestrial Healthcare: Identifying Shared Needs and Solutions</p> <p>This session will explore linkages between space healthcare and long-term, chronic care and rehabilitation, as well as delivery of health and medical care in northern and remote communities, and extreme environments and military settings.</p>

Time	Forum Program Details
4:15 – 5:15pm	<p>Panel 3 - Health Innovation in Canada: Pushing Frontiers of Healthcare by Leveraging Technology Innovation</p> <p>This session will explore new healthcare innovation and business models and the use of disruptive technologies to change the ways we use and deliver healthcare.</p>
5:15 – 5:30pm	Wrap-up of Day 1

Thursday, November 30, 2017

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Time	Forum Program Details
8:30 – 9:00am	Registration
9:00 – 9:15am	Day 2 – Review of Agenda
9:15 – 10:30am	<p>Breakout Session 1</p> <p>Topic1: What are the emerging burdens/demands on the Canadian healthcare system? What space needs would be well aligned with relief of these future stressors?</p> <p>Topic 2: What capabilities in healthcare innovation could be translated to support astronaut healthcare?</p>
10:30 – 11:00am	Networking Break
11:00 – 12:00pm	<p>Panel 4 - Transforming Healthcare through Artificial Intelligence</p> <p>This session will explore the potential of AI to advance healthcare through improved diagnostic speed and accuracy, decision support, patient monitoring, predictive analytics, and behavioral therapies.</p>
12:00 – 12:15pm	Wrap-up of the Morning Sessions
12:15 – 1:30pm	Lunch
1:30 – 2:45pm	<p>Breakout Session 2</p> <p>Topic 1: What are the barriers to translation and adoption of health innovations? Could space-based applications of technology and systems play a role in mitigating the barriers to innovation?</p>

	Topic 2: What kind of collaborative framework and ecosystem could support a Canadian initiative in astronaut healthcare for deep space missions?
2:45 – 3:15pm	Wrap-up of Day 2
3:15-3:45pm	Next Steps and Closing Remarks Mary Preville, Director General, CSA Policy Gilles Leclerc, Director General, CSA Space Exploration