Child Health and Wellness Grand Challenge Catalyst Awardees Round 2
– March 2022

Branch Awards funded through the Alberta Children’s Hospital Foundation:

- **Alberta Childhood Cancer Survivorship Research Program**
  *Nominated Principal Investigator: Miranda Fidler-Benaoudia*
  *Principal Investigator: Fiona Schulte*
  *Co-Investigators: Kathy Reynolds, Maria Spavor, Tony Truong, Joon Lee*

- **Launching the development of the LUNA Child Advocacy Centre research team**
  *Nominated Principal Investigator: Bruce MacLaurin*
  *Principal Investigator: Gina Dimitropolous*
  *Co-Investigators: David Nicholas, Jackie Sieppert, Natalie St-Denis, Marlyn Bennett, Paul Arnold; Collaborators: Karen Orser, Brent Hagel, Leslie Twilley, Sheri Madigan, Ellen Perrault*

Branch Award funded by the University of Calgary Office of the Vice-President (Research):

- **Proteolytic remodelling and activation of uterine tissues as a trigger of infection-induced preterm labour**
  *Nominated Principal Investigator: Laura Sycuro*
  *Principal Investigators: Antoine Dufour, Donna Slater*
  *Co-Investigators: Stephen Wood, Karen Lithgow*

Seedling Awards funded by the University of Calgary Office of the Vice-President (Research):

- **Improving Access to Surgery for Rural and Indigenous Children in Southern Alberta**
  *Nominated Principal Investigator: Tito Daodu*
  *Co-Investigators: Mary Brindle, Melanie Morris, Kienan Williams*

- **Monitoring child-targeted food packaging: Tracking prevalence, nutritional quality, and marketing appeals in Canada**
  *Nominated Principal Investigator: Charlene Elliott*
  *Co-Investigators: Joel Reardon, Dana Olstead, Kim Raine*
  *Collaborators: Jordan LeBel, Alfred Aziz, Saskia Ramsay, Emily Truman, Kirsten Ellison*

- **Impact of early life stress on brain networks and behaviour**
  *Nominated Principal Investigator: Derya Sargin*
  *Principal Investigators: Jonathan Epp, Kartikeya Murari*
• Developmental origins of vertebral deformities – defining the critical role of the NOTCH signaling pathway  
  *Nominated Principal Investigator:* Li-Fang (Jack) Chu  
  *Principal Investigators:* Alexander Lohman, Mark Ungrin

• Effect of maternal medications (biologic therapies) on the infant’s developing immune system  
  *Nominated Principal Investigator:* Cynthia Seow  
  *Co-Investigators:* Luis Murguia-Favela, Cora Constantinescu  
  *Collaborator:* Khaled Al-Sager

• PROmising Precision Child Health in Alberta: Implementation of Patient-Reported Outcomes in Alberta’s Pediatric Health System  
  *Nominated Principal Investigator:* Maria Santana  
  *Principal Investigators:* David Johnson, Jennifer Zwicker  
  *Co-Investigators:* Kyle Kemp, Paul Fairie, Sumedh Bele, Sadia Ahmed  
  *Collaborators:* Rachel Flynn, Christine Johns, Sandi Oelhaupl, Cynthia Walder, Sarah Rabi, Muning Zhung