



THE UNIVERSITY OF BRITISH COLUMBIA

Materials & Manufacturing Research Institute

Newsletter | June 5, 2019

16 University-Industry Projects Supported through MMRI-NRC IRAP Joint Program

The seed funding program, coordinated by MMRI with the support of NRC IRAP, resulted in launching 16 short-term projects to advance innovation in BC industry sectors through collaboration with UBC research labs. 10 of these projects were led by PIs at the Okanagan Campus, and 6 at the Vancouver Campus. The project led by Dr. Mohammad Arjmanad, School of Engineering, in partnership with the Wistler-based company Chromag won the Best Interdisciplinary Capstone Project Award (image below). In addition, travel support was offered to faculty members, and their lab members who were visiting companies to explore partnership.



News Briefs

Biocomposites Research Cluster Held its Kick-off Session

9 UBC faculty members and 8 industry associates joined together in the first session of the Biocomposites Research Cluster, funded through UBCO Eminence Program, to strengthen their partnership for future collaborative projects. More information about the cluster can be found [here](#).

Multidisciplinary Undergraduate Research Projects in Health (MURPH) Awarded through the PURE Competition

In the first year of the UBC's Program for Undergraduate Research Experience (PURE) competition, MURPH, which was proposed by MMRI, Institute for Health Living and Chronic Disease Prevention, Centre for of Heart, Lung & Vascular Health, and supported by Southern Medical Program, Faculty of Health and Social Development, and School of Engineering, was awarded and recieved funding to start off this September. Infomation about other PURE awardees can be found [here](#).

Congratulations to ...

- Dr. Kasun Hewage, School of Engineering, for UBC Oakanagan 2019 Researcher of the Year award.
- Dr. Mattia Bacca, Mechanical Engineering, for the Government of Canada's New Frontiers in Research Fund award for his research on "The Energetics of Life: a New Perspective in Cytoskeletal Mechanics".
- Dr. Lyndia Wu, Mechanical Engineering, for the Government of Canada's New Frontiers in Research Fund award for his research on "Investigating Brain Trauma Accumulation from Subconcussive Head Impacts and Differences between Male and Female Ice Hockey Players".
- Dr. Isaac Li, Chemistry, for the Government of Canada's New Frontiers in Research Fund award for his research on "Trojan Tag Strategy for Exosome Liquid Biopsy".

Meet a Member!

Dr. Lyndia Wu, Assistant Professor, Mechanical Engineering



What interests you the most when working in the education sector and why? The opportunity to inspire young minds and train the next generation of engineers and researchers, as well as the endless possibilities in both research and teaching.

What will be the next big development in your field?

Small, low-power, low-cost, non-intrusive wireless wearable sensors that can provide real-time monitoring of health conditions and early diagnosis of disease.

What is the one thing people would be surprised to know about you? With research on wearable sensing, I have a good collection of biomechanics and physiological data gathered from myself.

Describe yourself in one word. Driven.

Please submit your success stories [here](#) to get featured in the newsletter.