

# DISCOVER

## WESTERN RESEARCH PARKS 2017-2018 ANNUAL REPORT









WESTERNRESEARCHPARKS.CA

# OURS IS AN AMBITIOUS GOAL...

...one that may never be completely attained, but one that must be sought nonetheless and one that serves as our core purpose. Namely to be:

- > a place, a destination, a home where talent and technology, industry and invention, dreams and discoveries converge to contribute extraordinary creations to our world and our future
- > an enabler, principled in all dealings, positive in approach, and uncompromising in values
- > a catalyst that anticipates needs, responds to requests, and continually seeks the means and methods that can help all those that share in the quest, reach their own goals
- > relentless in the pursuit of forms and formulas that can help create economic and social good today and tomorrow

# To Our Park Clients, Partners and Stakeholders

It is a pleasure that we share with you our 2017-2018 Annual Report. This is an exciting time for our Parks in London and Sarnia as our mandate to expand the region's research-driven business development efforts are unfolding per plan. In addition, Western's Parks program had its best performing year ever – maintaining services, revitalizing facilities and reducing debt – all while continuing to support our clients and their business development ambitions across a range of economic sectors.

The London-Sarnia/Lambton region is home to one of the largest concentrations of knowledge and innovation in the province. And our clients' successes are testimony to the model and its value to the region's economy. In the pages that follow, the Parks are pleased to showcase a few of our clients' notable commercial successes over the past year. We recognize that our achievements are best reflected in the business accomplishments of our clients. Therefore, it should be no surprise that over the past year Western Research Parks continued to build upon its impressive track record as a destination for technology and talent.

Going forward, the Parks anticipate more good news as we continue to grow our respective contribution to the region. We will continue to play a role supporting innovative companies and technologies, and in doing so, make a difference on behalf of our clients and our community. We welcome this challenge and look forward to delivering on its promise.

#### **Paul Paolatto**

Executive Director Western Discovery Park Western Advanced Manufacturing Park

#### **Katherine Albion**

Executive Director Western Sarnia-Lambton Research Park

WESTERN DISCOVERY PARK WESTERN ADVANCED MANUFACTURING PARK (L-R): Julia Hoare, Jennifer Dawe, Terry King, Paul Paolatto



WESTERN SARNIA-LAMBTON RESEARCH PARK (L-R): Aung Oo, Ron Listhaeghe, Caroline Craig, Katherine Albion

# MEDICAL

# **ADEISS**

The ADEISS Centre, short for Additive Design in Surgical Solutions, custom-prints medical parts and surgical devices precisely using advanced imaging and three-dimensional (3-D) metal printing.

In 2017, ADEISS opened at Western's Discovery Park – a collaboration between Renishaw, a British manufacturer of 3-D printing technologies, Western University and the London Medical Network. "This has been a unique convergence of talents," says Matthew Parkes, the Technical Manager for ADEISS and Renishaw employee. "We provide the 3-D printing technologies and product design skill set. Together, with the research and clinical capabilities of Robarts Imaging and Lawson Health, we are developing novel medical devices."

As they complete their ISO 13485 application – a Quality Management System for medical devices – ADEISS is working on surgical instruments, external prosthetics and veterinary products. Anything implanted into a human is subject to Health Canada approval and takes time. "We have a Medical Device Establishment License from Health Canada to develop low risk devices now, and we'll progress to implantable products in the future," say Parkes.

He sees a market opportunity for highly customized, patient-specific devices. Surgeons design 3-D surgical



(L-R): Tom Chmiel, Yara Hosein, Jennifer Dawe, Julia Hoare

implants and guides to the exact anatomy of the patient, down to the last hole for each tiny bone screw and ADEISS prints the device. "Pre-operatively designed patient specific devices, like 3-D printed surgical guides, can help save time in surgery and enable better clinical outcomes," says Parkes. "There can be better aesthetics, especially in cranio-facial surgeries, and fewer complications from the operation such as soft tissue damage."

Western Research Parks and Roberts Research Institute employees support ADEISS; helping with finance, product quality control and administration resources. ADEISS is also supported by Paul Paolatto, Executive Director of Research Parks, who serves as CEO and Dr. David Holdsworth of Robarts who serves as the Scientific Director. "Jennifer Dawe is our Quality Manager and Julia Hoare is our Director, Finance & Administration – along with Paul and David's leadership they have been crucial to our progress," he says. "We are part of a bigger family here and would have hit many more stumbling blocks if we were on our own."

### **PULSE INFOFRAME**

Pulse Infoframe, creator of a cloud-based software platform that promotes collaboration and data sharing to support precision medicine, is on a tear. Now with 30 employees, they are joining the list of companies successfully graduating from the Discovery Park.

Pulse Infoframe's trajectory is the result of Founder and Chief Executive Officer Dr. Femida Gwadry-Sridhar's decision to network through a federal program in Philadelphia. "The Canadian Technology Accelerator helps Canadian companies get to know the American landscape and launch their products," she says. "This program has a skilled and dedicated staff and things took off for us. We got great exposure and our first U.S. client."

One Accelerator contact led them to Boston-based Intersystems, an industry leader in healthcare database management systems. "Intersystems' technology enables Pulse to provide real-time, automated data sharing irrespective of electronic health records," says Gwadry-Sridhar. This partnership refined Pulse Infoframe's web-based analytics and visualization tools that help researchers uncover new knowledge faster and scope clinical trials.

Gwadry-Sridhar has a special commitment to combatting rare diseases. "We sit down with researchers who specify the data that is important to accelerate their research – not all of it is in the health records," she says. "We define the common data elements; demographics, biomarkers and cancer stages, patient quality of life and quality of outcomes data, physician's reports and medical research. Then we knit it all together into a rich data ecosystem in precision medicine."

While their network mushroomed beyond North America to Europe and Asia, Gwadry-Sridhar says the Park's support at home was critical to their success. "For several years I had to bootstrap the business and it took focus and dedication," she says. "But that made all the difference for our growth and the Park can help others advance."



PULSE INFOFRAME (L-R): Back: Rick Truant, Daniel Maclam, Roger Witteveen, Kyle Seifert, Matthew Pelletier, Paul Beechey. Middle: Samy Otero, Brianna Howell-Spooner, Soodeh Nikan, Xue Teng, Brian Ally. Front: Erin McDermid, Femida Gwadry-Sridhar, Minny Gu, Linda Liu



(L-R): Back: Tyler Vander Veeken, Dr. Philip Toleikis, Dominic Gray. Front: Amanda MacGillivary, Jessica Doe, Dr. Kelcey Patterson, Dr. Arash Memarnejadian, Angie Michalski, Farideh Berjisian

## SERNOVA

For people with diabetes, the dream to be free of insulin injections burns as bright as the flame outside Banting House.

Sernova Corp., a regenerative medicine technology company, wants their made-in-London innovations to be that breakthrough. "Major pharmaceutical companies selling insulin view an implantable device with therapeutic cells as the next advancement in diabetes treatment, and that is what we've been successfully developing since 2008," says Dr. Philip Toleikis, Sernova's President and CEO.

Sernova's Cell Pouch<sup>™</sup> is a novel implantable and scalable device that forms an organ-like environment for therapeutic cells to produce needed proteins and hormones. Focused on the long-term survival and function of insulin-producing islets and stem cell derived technologies, Sernova's approach is to transplant immune-protected cells within a vascularized environment to allow them to thrive and release their factors into the blood.

In preclinical studies, the Cell Pouch system controlled and regulated blood sugar levels in diabetes and reduced or eliminated the need for insulin injections. Having conducted a first-in-human safety clinical study in Canada, Sernova has expanded to the U.S. market and is approved by the Food and Drug Administration to start clinical trials for their Cell Pouch technologies. Toleikis says several global pharmaceutical companies are interested in Sernova's platform approach and commercial potential to treat diabetes and other diseases.

In addition to using the Cell Pouch to control diabetes, Sernova is actively developing a new treatment for Hemophilia A and other diseases. Funded by the Horizon 2020 European grant program, Sernova, a HemAcure consortium member, is developing a product with therapeutic cells that produce Factor VIII, an essential blood-clotting protein. "We have collaborators at multiple academic institutions in Canada and abroad, as well as pharmaceutical company alliances," says Toleikis. "Our goal is to put London on the map with another major breakthrough for diabetes and other diseases."

# BURST

TechAlliance saw a need to clone their support services to help life science and medical technology startups blast their dreams into the marketplace. That's BURST.

TechAlliance developed an intensive training and support program for life sciences and approached the London Medical Network (LMN) for \$900,000 in angel funding. With the LMN behind them, they got matching funds from Investing in Business Innovation – a FedDev program for Ontario. "We were thrilled to have the opportunity to support one of London's strongest industries – life sciences and medical technology," says Riley Trottier, Manager, Business Services at TechAlliance. "This program will allow us to help support the next generation of start-ups who can help improve quality of life services in the medical sector."

BURST has three cohorts of ten companies each and has attracted quality applications that are screened by expert judges. The winning entrepreneurs get up to \$60,000 in funding and an additional \$10,000 worth of consulting and training services to use however the organization sees fit – from refining the prototype and validation studies to IP advice and leadership training. BURST's sales training program provides real-world insight into marketing, accountability and how to deal with rejection.

Like venture capitalists everywhere, BURST looked for resilience in entrepreneurs – that focus that keeps a start-up motivated through tough times. BURST also screened for innovations with strong commercialization opportunities. The goal is to get the best rate of return for the invested capital. TechAlliance wants life science and medical device companies to spin out of university research labs and create homegrown medical companies that develop jobs locally and health solutions globally. Three success stories from the BURST program are highlighted on the following pages.



#### BURST

(L-R): William Charnetski, Chief Health Innovation Strategist for Ontario, Mayor Matt Brown, City of London, Marilyn Sinclair, President & CEO, TechAlliance, Peter Fragiskatos, London North Centre MP, Kate Young, London West MP, Justin Leushner, Former VP of Operations, TechAlliance, John Capone, Vice-President (Research), Western University

#### **TOPSPIN 360**

Sydney Crosby's second concussion in 2011 inspired a training device to help prevent brain injuries for athletes. Dr. Theo Versteegh, the founder of TopSpin Technologies, was enjoying a post-hockey beer with friends as they watched Crosby's hit in horror. Versteegh, a physiotherapist, pointed out that if Crosby's neck muscles had been stronger, his head would not have whipped around so violently. Many concussions are caused by the whiplash effect rather than a direct blow to the head.

For Versteegh, that observation inspired his 2016 PhD dissertation at Western and his training device called TopSpin 360 that screens athletes with weak neck muscles. TopSpin 360 is a well-padded football helmet with a small weight attached to the end of a rod on top. "It looks ridiculous at first but you'd be surprised what a workout it is," he says.

Athletes roll their heads to spin the weight 360 degrees. As centripetal force is generated, the device strengthens and improves dynamic neck strength through multi-planer rotation. "For every one pound of increased composite neck strength, there is a 5% reduction in concussion," he says.

Versteegh wants trainers to use TopSpin 360 and incorporate this workout into weight rooms in all contact and alpine sports. The Western Mustangs, where Versteegh once played football, supported his academic research. They chose players at high risk for concussion and a control group. After the TopSpin 360 training, none of the players suffered a concussion. Two players in the control group, who did not train, were concussed that season.

TopSpin 360 was selected for the BURST program. "The community is great at TechAlliance," he says. "They steered us towards the Synapse Life Sciences Competition in Hamilton last year, that we won, and the start-up funds let me hire a business development coordinator."

## **SMART RS**

Frank Fiorenza was concerned with the potential for interruption of gas flow for patients on a mechanical ventilator as they were transported in or between hospitals.

Fiorenza, an experienced Registered Respiratory Therapist at the University of Ottawa Heart Institute, knew the clinical challenges and knew there had to be a better way. "Lungs can collapse when a patient is disconnected from a ventilator for transport. If done frequently, it can put patients at risk for Ventilator Induced Lung Injury," he says. "Keeping the ventilator circuit closed can also minimize staff exposure to any harmful organisms within the circuit that could pose a risk to the healthcare provider."

For Fiorenza, it all came down to the management of the gas flow. After several conceptual designs, he set about bootstrapping the product and built an advanced testing facility in his basement. "I purchased a used ventilator and sourced all the different components," he says. "I worked with a contract engineer and used 3-D prototyping to keep the costs down."

The result is Flusso<sup>™</sup>, which means fluid flow in Italian. Flusso is a by-pass adapter with proprietary Swing Valve Technology<sup>™</sup> to prevent the disconnection of the patient from the ventilator during a circuit change, or for transport. Flusso is now in clinical use and won silver this June at the 2018 Medical Design Excellence Awards.

Fiorenza was introduced to McArthur Medical Sales Inc. of London. They manufacture several of his devices and employ him in product development – which led him to BURST – and their valueadded, wraparound services. "Being awarded BURST funding freed me up to work on additional products," he says. "Lisa Schellenberg and the BURST team are a really good sounding board. They are always there to help."

## TRIAGE

Triage, a well-named digital application, lets you screen for skin conditions on your smartphone.

Using artificial intelligence (AI), the app has been trained beyond physician-level accuracy to recognize the distinctions between healthy skin and disease. Tory Jarmain is the CEO and co-founder of Triage. "We used over 200,000 images to train the AI algorithm and validate its performance," he says. "These images include 37 categories of skin disorders representing approximately 1,500 diseases. All were verified through biopsy, treatment or expert consensus—from eczema to skin cancers. We had 88% top-3 accuracy in the first model we ran–a phenomenal performance."

In fact, Triage's dermoscopic algorithm can now instantly detect 9 in 10 cancer cases with beyond dermatologist-level accuracy. They are in a presubmission process for FDA approval.

Jarmain started Triage in 2015 after learning that technology had reached the point where any image recognition task could soon be done with greater precision by a machine than by a human. "I had sold my first company and was spending all of my time researching and talking about neural networks," he says. "People thought I was crazy."

He moved back to London from Toronto to save money for his product launch and reached out to TechAlliance. They encouraged him to apply to BURST. "I was definitely in the right place at the right time," he says. "BURST has connected me to great mentors and office space – an amazing perk."

Jarmain says dermatologists think Triage provides an instant second opinion. And for patients with a skin cancer like melanoma, moving up the queue to see a specialist can save a life. "This is for screening, not diagnosis," says Jarmain. "We put the tool in the patient's hand. They send the photo to their physician who can triage their care."



TOPSPIN 360 Dr. Theo Versteegh



Frank Fiorenza



**TRIAGE** Tory Jarmain

# ADVANCED MANUFACTURING



NATIONAL RESEARCH COUNCIL OF CANADA Dr. David Muir

#### NATIONAL RESEARCH COUNCIL OF CANADA

The National Research Council (NRC) automotive and manufacturing research facility in London, Ontario, will help to revolutionize the Canadian auto sector with Industry 4.0 technologies to create digital factories and produce Connected and Autonomous Vehicles.

Dr. David Muir is the Director, Research & Development at the NRC in London. He says the Federal Government backed the NRC facility to advance these technologies because of London's proximity to the auto supply chain and its vital importance to the regional economy. The NRC wants to accelerate the rate of adoption of connected vehicles and advanced manufacturing technologies. "There are many products in advanced digital manufacturing in Canada and our partners needed a space to connect them all and demonstrate these technologies as a digital manufacturing system or integrated in a vehicle," he says. "Digital manufacturing allows perpetual customization and the entire production cycle is driven by software."

The Automotive and Surface Transportation laboratory is a 75,000-square foot facility that includes a 6,000 tonne crane. One feature is a Lexus demonstration vehicle fully loaded with Canadian technologies to highlight connectivity. The Auto Parts Manufacturing Association (APMA) had created a beta-version vehicle and towed it out to Silicon Valley to show it off to the tech community. "We did a lot of consultation to determine how to promote our capabilities. The APMA wanted a vehicle demonstration platform to feature interoperability software, Bluetooth and software simulations to harvest data," he says.

Commercial opportunities exist in integration at the vehicle level. "There are still gaps in the technology – wireless applications, cyber security and, of course given our climate, snow vision," says Muir. "The Autonomous Vehicle Innovation Network (AVIN) in Stratford will test driverless cars in realistic traffic and weather conditions and complement the NRC's focus. We are collaborative with industry at all levels of the supply chain and Western R&D."

# FRAUNHOFER PROJECT CENTRE

In the future, new vehicles will be faster, lighter and stronger. Lightweight structural materials in autos, especially for hybrid and electric vehicles, can help improve their efficiency and range. "Electric cars will change basic vehicle architecture. For example, batteries are heavy but the car should be light," says Vanja Ugresic, manager of operations at the Fraunhofer Project Centre for Composites Research at Western Advanced Manufacturing Park. "So composites become critical for specific parts such as battery housings."

The Fraunhofer Project Centre for Composites Research (FPC), a partnership established eight years ago between Western University and the world-renowned Fraunhofer Institute, continues to serve as a North American test bed in the use and application of composites on an industrial scale. And the impressive list of clients now utilizing this research, development and commercialization platform represents the who'swho in the North American manufacturing sector. For example, Plasan, a U.S. global leader in composite structures for automotive, recently tested a lightweight carbon fibre roof frame. "They worked with Hexion, one of our resin suppliers here, and Dieffenbacher, our resident machine supplier, and achieved a 50% weight saving over magnesium using an existing design," says Ugresic. "All the structural requirements were met and we were able to manufacture the carbon fibre parts in less than three minutes."

In addition, high-pressure resin transfer molding technology continues to evolve at Fraunhofer. Their partner, Krauss-Maffei, has implemented liquid compression molding using the existing 2,500 tonne press. "Composites are growing, not just in auto but for construction and aerospace," says Ugresic.

FPC's success in materials and product development has also translated into more funding for the region's advanced manufacturing sector. This past year, Western, in partnership with senior industry players and institutional partners in Ontario, was successful in securing a portion of the Federal Government's \$950 million Innovation Supercluster initiative. This investment will help build up next-generation manufacturing capabilities, such as advanced robotics and 3D printing; and contribute greatly to continuing Western and FPC's leadership in lightweight materials applications.



FRAUNHOFER PROJECT CENTRE

# BIOINDUSTRIAL

# LAMBTON WATER CENTRE

It's been five years since the Lambton Water Centre, one of several Lambton College research centres, was first established and the Western Sarnia-Lambton Research Park has been critical to its ongoing success.

Having started research on water-related projects, it was the securing of larger and larger grants to conduct more work that led to its establishment in 2013 and with it, becoming a tenant of the Research Park. "That was a critical step and continues to be," notes Dr. Mehdi Sheikhzadeh, Executive Dean of Applied Research & Innovation at Lambton College.

While the Lambton Water Centre as an organization is not entirely located in the Research Park, the facilities at the Park are essential to clients who need the specialized services it offers, including analytical testing. From the design and implementation of automation,



instrumentation, optimization and modeling of new water technology systems, to finding ways to improve performance and efficiency, the Water Centre brings extraordinary levels of value to all Research Park clientele.

First established through a grant from the Canadian Federal Government's Natural Sciences and Engineering Research Council of Canada, the Centre has played a key role in the improvement, development and commercialization of water and wastewater treatment technologies.

Dr. Sheikhzadeh emphasizes how important being at the Research Park has been to the Water Centre's continued success. "It's really the perfect place for us," he said. "Research Park tenants and clients use our facilities all the time, and along with the Park's infrastructure to support commercialization, contributed to the success of this Centre. And we have office space for our researchers, which we wouldn't otherwise have to support our projects."

With its own coordinator and staff of technicians, the Lambton Water Centre has several areas of research that it pursues, including senior design and implementation, remote facility management, bioremediation, activated sludge and micro-organism development.

## **ORIGIN MATERIALS**

For Origin Materials, one of the newest tenants at the Western Sarnia-Lambton Research Park, arriving in the area was something of a breath of fresh air. Especially for a company that is focused on the use of plant-based materials for applications such as water bottle production.



ORIGIN MATERIALS (L-R): Aashav Patel, Shannon Cler, Alex Ward, Dan Scott, Victoria Regan, John Bissell, Sam Hough, Doug Cuthbertson, Rachanne Dunn, Abhimanyu Mohandas

In many respects, the company, which is new to Canada but has plans to grow here, found Sarnia-Lambton to have a culture that very much fits with its own sense of purpose and principles, including a culture of safety and a focus on innovative technology that can help reduce greenhouse gases.

The core of Origin Materials' underlying technology involves taking cellulose, derived from wood pulp, corrugated cardboard or even parts of a corn stalk that might not otherwise be used, then turning that material into para-xylene, a basic raw material that's used for numerous products, including plastic water bottles.

Using a patented process for making that conversion is a solution that fits quite nicely with projects that are becoming part of Sarnia's bio-industrial sector, which is part of what caught the eye of the company's founders. They also saw a strong affinity with the culture of safety in Sarnia-Lambton, with one official calling it "legendary" in the industry.

Dr. Alex Ward, Origin Materials' first Canadian employee whose career began in cell biology research, said the company found a "soft landing" when it arrived, including access to the basic infrastructure it needed at the Research Park.

And because the company is in the "scale-up" phase of its operation, setting its sights on what it is calling its "pioneer plant" to be located at the nearby Bio-Industrial Park, it also sees opportunities for further collaboration. "There's a lot of very innovative companies in the area," notes Dr. Ward. "We see further opportunities for collaboration with companies who are already here and who view what we're doing with keen interest. It's very encouraging."

Origin Materials officials already see the area, including the Research Park, as serving as something of a stepping stone, especially given the region's high-quality labour pool and excellent infrastructure. Much of Origin Material's work in Canada includes research and development, making their presence in the area a natural fit. As a company, Origin Materials is happy to have found such a welcoming environment at the Research Park and within the Sarnia-Lambton community.

#### **INNOVATION BRIDGE**

Innovation Bridge, an alliance launched in 2017, is really a number of things: an idea, a concept and very much a current and future direction involving the Western Sarnia-Lambton Research Park and its innovation partners. In 2016, the Research Park and Lambton College realized that many of the companies that were visiting and looking for help on various projects were talking to both organizations.

"Not only that, but we were referring those companies to each other," Dr. Mehdi Sheikhzadeh, Executive Dean of Applied Research and Innovation at Lambton College, notes. "We realized that this wasn't the best way of approaching our common goal, which was to help companies with their decision to come to Sarnia-Lambton and to help them prosper."

Taking the first steps to solve the problem of potentially confusing prospective clients and perhaps missing opportunities to be of better service—became the genesis of Innovation Bridge.

"Because we collaborate on most projects, it made sense to look for ways to combine our resources," says Dr. Katherine Albion, Executive Director of the Western Sarnia-Lambton Research Park. "This way, we collectively provide resources to companies in a package that would lead to positive results for our clients and the Sarnia-Lambton region."

Shortly after, the "we" quickly expanded to include the Sarnia-Lambton Economic Partnership, Bluewater Regional Networks (a subsidiary of Bluewater Power that is providing high-speed fibre service to the area), Bioindustrial Innovation Canada, Bluewater Energy Park, and Bio-Industrial Park Sarnia.

"On a number of occasions, we would collectively sit down with representatives of companies that had expressed interest in becoming established in Sarnia-Lambton," said Dr. Albion. "It was very refreshing to see how much faster the clients' questions are answered when we worked together."

Then, the Innovation Bridge concept began to broaden.

"We could see opportunities not just to attract companies to our area but also to provide services to them, including potential grant opportunities," says Dr. Sheikhzadeh. "And then, we found ourselves talking about how to attract companies in other strategic sectors, similar to what is already happening with the bio-industrial sector."

Now, one of those clusters under development is Information Technology, where demand for talent is growing. Add in the various infrastructure elements that the IT sector needs to thrive, and it's easy to see how Innovation Bridge is almost certain to continue to extend its reach.

"We haven't forgotten about our early goals, to serve as a single point of contact for companies looking to find a home in the region," says Dr. Albion. "But we've added many other goals and the Research Park will play a key role in the success of the Innovation Bridge."



# WESTERN RESEARCH PARKS PERFORMANCE

NUMBER OF KNOWLEDGE-BASED EMPLOYEES

#### **MILLON** ESTIMATED ANNUAL CONTRIBUTION TO THE COMMUNITY

NUMBER OF TRANSFORMING ENTITIES

EARLY STAGE TENANTS

\$

ANCHOR TENANTS

624,000

INTERNATIONAL TENANTS

> FACILITIES SIZE (SQUARE FEET)

#### WESTERN DISCOVERY PARK WESTERN ADVANCED MANUFACTURING PARK

#### Team

Paul Paolatto – Executive Director Julia Hoare – Director, Finance & Administration Jennifer Dawe – Director, Client Services Terry King – Facilities Manager

#### **Board of Directors**

John Capone (Chair), Western University Chirag Shah, PwC Lynn Logan, Western University Hanny Hassan, Alef Consulting Inc. Rick Campbell (Advisor), Western University

#### WESTERN SARNIA-LAMBTON RESEARCH PARK

#### Team

Katherine Albion – Executive Director Aung Oo – Director – Consulting & Strategic Studies Caroline Craig – Client Relations Coordinator – Administrative Receptionist Ron Listhaeghe – Facility Services

#### **Board of Directors**

Mike Bradley, Mayor of Sarnia Jenny Gough, Pollutech EnviroQuatics Limited Bill Weber, Warden of Lambton County, Mayor of Lambton Shores John McCharles, Deputy Warden of Lambton County, Mayor of Petrolia Judy Morris, Lambton College Tom Strifler, Former Executive Director of Western Sarnia-Lambton Research Park Lisa Cechetto, Western University Ron Van Horne (Advisor) John Innes (Advisor) Stephen Thompson (Advisor)

#### Western Discovery Park

999 Collip Circle Box 18 London, ON N6G 0J3

519.858.5198 westernresearchparks.ca Western Advanced Manufacturing Park 2500 Advanced Avenue London, ON N6M 0E1

519.858.5198 westernresearchparks.ca/ advanced\_manufacturing\_park Western Sarnia-Lambton Research Park 1086 Modeland Road Sarnia, ON N7S 6L2

519.383.8303 sarnialambtonresearchpark.ca

