

Tremendous technologies all based around Molecular Imprinted Polymers have investors riding the Sixth Wave

Sixth Wave continues to achieve outstanding results at detecting COVID-19 as well as the extraction of cannabinoids, gold & lithium

Innovative methods of detecting and extracting key target materials, such as valuable minerals or even harmful viruses, is a new forefront of nanotechnology.

Today's company is Sixth Wave Innovations Inc. (CSE: SIXW | OTCQB: SIXWF) ("Sixth Wave"). Sixth Wave is a nanotechnology company that was established in 2013 and has worked on developing commercial products for military and mining applications. For example, SAFE-T® is a legacy product developed for the US Military for explosives detection, developed with internal resources and R&D funds under multiple contracts with the US Army's Combat Capabilities Development Command Armaments Center (ARDEC) and sold to elements of the US Department of Defense and allied forces.

Since that time Sixth Wave has matured the technology and the applications. Today Sixth Wave's technology has applications across multiple sectors such as mining, medical, defense, and life sciences. Sixth Wave's 3 key products are:

- Accelerated Molecular Imprinted Polymers (AMIPs) – For

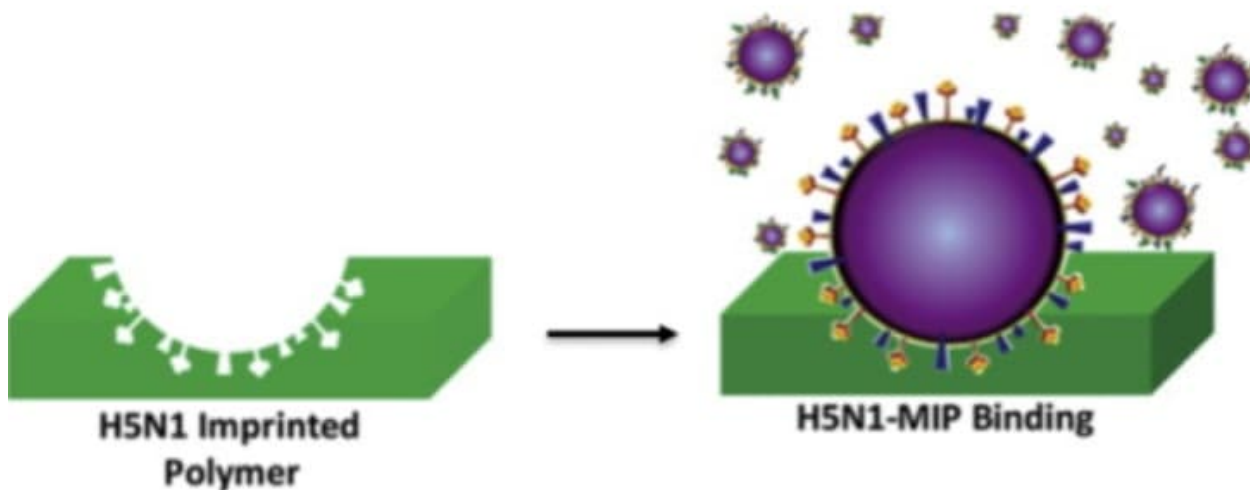
- rapid detection of viruses
- Affinity – For cannabinoid extraction
- IXOS – For gold extraction



Source

Sixth Wave uses patented Molecular Imprinted Polymers (MIPs) for imprinting, capturing, and releasing substances at the molecular level.

MIPs use polymer synthesis techniques to create smart materials with high affinity for a target



Source: Sixth Wave Innovation website – About MIPs

The MIP technology can detect and/or extract any number of substances as widespread as the COVID-19 virus, cannabinoids, gold, or lithium.

Detection of viruses

Sixth Wave's Accelerated Molecular Imprinted Polymers (AMIPs) is a Rapid Virus Test for the selective identification of Covid-19 that can give easy-to-read results within minutes. AMIPs will allow for high volume, point-of-use screening in public sector, private industry, hospitals, long-term healthcare facilities, and various forms of public transportation.

On June 10, 2021, Sixth Wave announced a breakthrough that they had successfully detected the UK and South African Variants of SARS-CoV-2, using two independent techniques: a color-based sensor and independently verified on a Quartz Crystal Microbalance (QCM) based AMIP sensor.

The announcement stated: "The flexibility and robustness of the AMIPs platform was demonstrated again. These preliminary results give evidence to the claims that AMIP technology is resistant to loss of efficacy due to virus mutation and new variants. By imprinting and detecting the whole virus AMIPs can be highly resistant to virus mutation."

Purification and extraction of cannabinoids in cannabis

For cannabis producers, Affinity™ streamlines the traditional processing of THC & CBD. Affinity™ uses MIPs designed to capture and extract cannabinoids to ensure the purest end product and the highest yield.

Sixth Wave recently announced they had commissioned delivery of its first Affinity™ System. It is estimated that the system will be ready for wet testing at AESI in late September and ready for shipment to the Sixth Wave's proving laboratory in Maryland shortly thereafter.

Sixth Wave plans to deliver the first commercial Affinity™ System to Oregon-based Green Envy Extracts in Q4, 2021.

Extraction of gold from tailings

Sixth Wave has developed a revolutionary gold-processing system designed for the mining industry. IXOS® is a faster, cleaner and a more cost-effective method of processing and extracting gold with a higher and purer end product than traditional activated carbon processing.

Announced on May 18, 2021, Sixth Wave executed a non-binding LOI to test Sixth Wave's patented IXOS® purification and extraction polymer on gold bearing tailings samples from the Barry-Hollinger Gold Mine (BHGM) in Eastern Ontario. The news release stated: "It is estimated there are approximately 200,000 tons of tailings on the property which have been indicated to contain up to 16,000 ounces of gold....Sixth Wave will perform a combination of leaching and recovery tests, expected to start in June 2021, baring COVID-19 restrictions. The tailings test protocol could form the foundation for a business model that seeks to identify and recover gold from tailings at other mine sites in the Ontario mining district and throughout the world."

The global implications are enormous given the massive global tailings available from not just gold mines, but other valuable metals.

Extraction of lithium from brines such as in the Salton Sea area of California

Earlier in 2021, Sixth Wave acquired 100% of Geolithic Corp. (a JV between TriLateral and Sixth Wave). Geolithic was established in 2017 to work on the extraction of lithium from geothermal brines located primarily in the Salton Sea area of California, potentially a huge lithium resource. This has become an important area of interest as it may help the USA and others to be able to extract vast quantities of lithium, which will be needed for this decade's electric vehicle and energy storage boom.

Final remarks

Sixth Wave has several tremendous technologies all based around its Molecular Imprinted Polymers (MIPs), which can both detect and extract specific target substances.

Key areas of commercialization that are at the beginning are COVID-19 detection, cannabinoids extraction, gold from tailings extraction, and direct lithium extraction. All of these have enormous potential, as well as the potential to expand into related areas.

Sixth Wave Innovation trades on a market cap of just C\$27 million and, in my view, is one of the most exciting listed junior companies on the market today. Be sure to take a deeper look at Sixth Wave.

Sixth Wave Innovations Dr Jon Gluckman on the colorimetric detection of SARS-CoV-2

In a recent InvestorIntel interview, Tracy Weslosky spoke with Dr. Jon Gluckman, President, CEO and Founder of Sixth Wave Innovations Inc. (CSE: SIXW | OTCQB: ATURF) about the successful demonstration of colorimetric detection of SARS-CoV-2, the virus that causes COVID-19 utilizing Sixth Wave's Accelerated Molecular Imprinted Polymers ("**AMIPs**[™]") technology.

In this InvestorIntel interview, which may also be viewed on YouTube (click here to subscribe to the InvestorIntel Channel), Dr. Gluckman went on to say that colorimetric detection is a method of identifying the presence of a target substance within a test sample by means of a color reagent. He

added that the Company is evaluating the detection capabilities of the technology for all the active strains of SARS-CoV-2. Dr. Gluckman also provided an update on Sixth Wave's letter of intent with Halucenex Life Sciences Inc. to explore a collaboration for the separation of compounds such as psilocybin, baeocystin, and others using molecularly imprinted polymers.

To watch the full interview, [click here](#)

About Sixth Wave Innovations Inc.

Sixth Wave is a nanotechnology company with patented technologies that focus on extraction and detection of target substances at the molecular level using highly specialized Molecularly Imprinted Polymers (MIPs). The Company is in the process of a commercial rollout of its Affinity™ cannabinoid purification system, as well as, IXOS®, a line of extraction polymers for the gold mining industry. The Company is in the development stages of a rapid diagnostic test for viruses under the Accelerated MIPs (AMIPs™) label.

Sixth Wave can design, develop and commercialize MIP solutions across a broad spectrum of industries. The company is focused on nanotechnology architectures that are highly relevant for the detection and separation of viruses, biogenic amines, and other pathogens, for which the Company has products at various stages of development.

To learn more about Sixth Wave Innovations Inc., [click here](#)

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If you have any questions surrounding the content of this interview, please email info@investorintel.com.

Will Sixth Wave help prevent a fourth wave?

Sixth Wave Innovations Inc. (CSE: SIXW | OTCQB: ATURF) is a nanotechnology company focused on extraction and detection of

target substances at the molecular level. Their products can be very cost effective and potentially eliminate human error from the testing or measurement process. These advantages are derived from the application of patented technologies in the highly specialized field of molecularly imprinted polymers (MIPs).

Sounds pretty technical so what does that mean to you and me? As we battle a third wave of COVID-19 we are crossing our fingers and hoping vaccines will save the day. Especially given, that for all the talk about rapid testing, we have yet to see an effective, accurate test used in a broad setting to help identify or track the spread of the SARS-CoV-2 virus. And who knows if all the variants that are popping up will continue to be effectively subdued by existing vaccines.

Enter Sixth Wave and their patent pending Accelerated Molecular Imprinted Polymers (AMIPs™) technology. Last week the company announced it has successfully demonstrated colorimetric detection of SARS-CoV-2. Colorimetric detection is a method of identifying the presence of a target substance within a test sample by means of color. For example, Green = COVID-19, Blue = Influenza, Red = Rhinovirus. And yes, the test could potentially identify multiple viruses in a single pass with different colors for each. Even better, the AMIPs™ test does not require the use of biological materials which have the potential to result in errors (false positive or false negative). As well, the methodology utilized by AMIPs™ should be more robust in its ability to detect variants because the mechanism used to capture and immobilize the virus is not keyed to a specific Antigen-Antibody relationship. Lastly, this robust, reliable product should result in a lower cost, either to an individual requiring a test or a government trying to get a handle on this annoyingly resilient virus.

Imagine kids going back to school and they all have a mask utilizing Sixth Wave technology. All you need to do is check each student's mask and if it's green the child gets sent home

otherwise they are good to go until the next day. Now what if everyone had a mask, or some other device with AMIPs™ technology, then everyone could get back to going to sporting events, concerts or weddings. Even air travel and cruise ships would be able to operate relatively seamlessly based on the individual not being green, so to speak. This could be the solution that gets us back to a semblance of normal.

Unfortunately, as good as this all sounds, Sixth Wave isn't the answer to all our problems just yet. Next steps include building on this initial validation toward the development of a colorimetric sensor for a potentially wide range of rapid Virus detection devices using AMIPs™. As well, the Company is proposing to create a comprehensive library of molecular imprints for other viral pathogens and variants. This AMIP library will be capable of being licensed for all manner of rapid detection test (RDT) devices and wearables, such as a smart mask, smart clothing and PPE applications, airborne sensors, Breathalyzers, and others. The groundwork has been laid but it remains to be seen if the company can capitalize on its efforts.

Nevertheless, the company has its Affinity™ System which uses MIPs to deliver an innovative purification solution to the cannabis market. First revenue from cannabinoid extraction is expected in Q1/21. As well there is the IXOS product, a line of extraction polymers formulated for deployment in the gold mining industry for the extraction of gold from cyanide leach solutions. Sixth Wave is undertaking pilot plant testing of IXOS technology at a major gold producer (Kinross Gold Corporation). The company recently raised \$6M via a private placement which should give them enough cash to continue developing and innovating its product base for another 6 months, give or take. It will be interesting to see if the company can start generating revenue to reduce the cash burn and advance all these exciting prospects.

Sixth Wave's Dr Jon Gluckman on the First Polymer for Detection of SARS-CoV-2

In a recent InvestorIntel interview, Peter Clausi speaks with Dr. Jon Gluckman, President, CEO and Founder of Sixth Wave Innovations Inc. (CSE: SIXW | OTCQB: ATURF) about their recent news: First Polymer for Detection of SARS-CoV-2

In this InvestorIntel interview, which may also be viewed on YouTube (click here to subscribe to the InvestorIntel Channel), Dr. Gluckman went on to say that Sixth Wave is working in collaboration with the University of Alberta to develop COVID-specific Imprinted Polymers that can detect viruses even after they have mutated. Sixth Wave is currently developing this technology specifically for the COVID-19 virus but can potentially be used to detect any virus. He highlighted that the technology is low-cost, easy to use, and scalable.

Speaking on the potential implementations of their technology Dr. Gluckman said that the technology can be used in handheld devices, wearables, and airborne detection tools. Sixth Wave is currently designing, Smart Mask™ that will use the Imprinted Polymers to detect the COVID-19 virus in the user's breath.

To watch the full interview, click here

About Sixth Wave

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substances at the molecular level using highly specialized Molecularly Imprinted Polymers (MIPs). The Company is in the process of a commercial rollout of its Affinity™ cannabinoid purification system, as well as, IXOS®, a line of extraction polymers for the gold mining industry. The Company is in the development stages of a rapid diagnostic test for viruses under the Accelerated MIPs (AMIPs™) label.

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Sixth Wave Hits Key Achievement for a New & Innovative Rapid Detection System for COVID-19

Yesterday, Sixth Wave Innovations Inc. (CSE: SIXW | OTCQB: ATURF | FSE: AHUH) announced a key achievement in the development of its advanced technology for the rapid detection of the virus that causes COVID-19.

Using nanotechnology, Sixth Wave focuses on the extraction and detection of target substances at the molecular level using specialized molecularly imprinted polymers (MIPs).

The company creates a molecular imprint in the polymer for the target substance and then can detect its presence based on the specific size, shape, and/or chemistry of the target.

Announcement of Initial Imprinting

Sixth Wave made a breakthrough announcement yesterday that the research team successfully completed the first molecular imprint of the SARS-CoV-2, the virus that causes COVID-19, using the company's patent-pending process and technology called Accelerated Molecular Imprinted Polymers (AMIPs™).

Over the next few weeks, this imprint will now go through a series of tests at the University of Alberta to determine the accuracy of the virus detection. The imprint process will be modified until a precise process is determined that results in a polymer with an "exceptional accuracy" in identifying the virus.

Once the polymer has reached its efficacy targets, it can then form the basis of various virus detection products including airborne detection tools, hand-held devices, and wearables.

One simple application is adding the polymer to a mask. The mask can then filter out any SARS-CoV-2 virus that tries to pass through the mask and can also change color if the user's exhale contains the virus. A fast, effective and easy way of detecting the COVID-19 virus.

Dr. Jonathan Gluckman, President and CEO of Sixth Wave, commented,

"With the completion of the initial imprint, we've demonstrated the process of making this polymer. More importantly, we now have an AMIPs prototype customized for

SARS-CoV-2, which we can run through a battery of tests, optimizing its design with each successive imprint version. At the end of this process, we aim to have a Definitive Imprint with an extremely high affinity, or attraction, to the Virus, with clinically relevant detection levels and reliability."

Advantages of Sixth Wave's Technology

Currently, COVID-19 testing is expensive and often requires laboratory work, expensive equipment, well-trained technicians, and can take days to get accurate results. In addition, the tests use biological materials that are affected by climate conditions.

Sixth Wave's testing solution has many advantages over a lab-based test – it is simpler, faster, and does not require any skilled person to administer. If the polymer is implemented in a breathalyzer, simply breathe into the device and it will tell you if your breath contains the SARS-CoV-2 virus.

In addition, the polymer can be easily replicated at a low cost, it doesn't need to be stored at low temperatures, and the same process can be used to detect other viruses or diseases.

Technology Already Used in Gold and Cannabis Processing

Sixth Wave's technology has already been used in the gold mining industry. In gold extraction, Sixth Wave's product is called IXOS® and is a line of polymers formulated for the extraction of gold from cyanide leach solutions.

In September 2020, Sixth Wave announced that it signed a non-binding Letter of Intent for the trialing of Sixth Wave's IXOS® purification polymer at Rio2's (TSXV: RIO | OTC: RIOFF | FSE: 1SB) Fenix Gold Project in Chile.

In the cannabis extraction industry, Sixth Wave's Affinity™ system can lower the cost by streamlining the process of

capturing and extracting cannabinoids (THC and CBD) while still yielding high purity distillates and isolates.

In April 2020, Sixth Wave signed a deal with Green Envy for the purchase of at least three Affinity™ extraction units. Green Envy is a cannabinoid extraction company specializing in the production of high-quality concentrates, distillates, and edibles. Green Envy will integrate the Affinity™ units into its existing process platform for the production of full-spectrum distillates.

Sixth Wave expects to recognize revenue from this sale starting in the first fiscal quarter in 2021.

Final Thoughts

Sixth Wave can apply its MIP solutions across a broad range of industries. The company is currently commercializing solutions in the cannabis and gold mining industries, and is testing an innovative solution for the detection of the virus that causes COVID-19.

Unfortunately, this current health crisis is not the first global pandemic and probably won't be the last but Sixth Wave's technology could provide a faster and cheaper way for virus detection this year.

Sixth Wave currently trades at \$0.35 with a Market Cap of \$ 30.7 million.

Sixth Wave's Dr. Jon Gluckman

talks about the election and the 2nd wave of cannabis investment

In a recent InvestorIntel interview, Tracy Weslosky speaks with Dr. Jon Gluckman, President, CEO and Founder of Sixth Wave Innovations Inc. (CSE: SIXW | OTCQB: ATURF) about what a Biden presidential win means for an energized and revitalized cannabis sector.

“We’re pretty excited,” said Dr. Gluckman, “that in addition to the Biden win it was pretty clear that the referendums on the state ballots in the U.S. were extremely positive and forward-looking for the future of cannabis and the significant expansion in the United States which is obviously a huge market.”

Asked about what it means, Dr. Gluckman said that Sixth Wave sees it “as a tremendous opportunity for licensed producers to expand their footprints into different spaces and certainly for new equipment requirements which will include Affinity, so we’re stoked.” Affinity™ is Sixth Wave’s cannabinoid purification system.

Discussing the Affinity cannabinoid purification system revenue model, Dr. Gluckman explains that it work on a “total system performance license” basis, where Sixth Wave provides the technology to licensed cannabis producers on a “small profit margin basis”, but then partners to provide upgrades and maintenance in exchange for a portion of the producer’s revenue stream. As Sixth Wave’s Affinity optimization can save a projected 50% of a producer’s production costs, this mutually beneficial arrangement can create a substantial revenue stream for both the producer and Sixth Wave.

Dr. Gluckman explains to Tracy how the application of Sixth

Wave's patented Molecular Imprint Polymers (#MIPs) technology creates "consistent and high purity" cannabinoid from a producer's raw material that is essential to creating a commercial product.

Regarding revenue expectations, Dr. Gluckman said that they expect to see revenue through a deal with Green Envy as early as December, and ramping up in the first quarter of 2021. Answering Tracy's question about investors who missed the "first wave" of cannabis investment, he said that "the very interesting thing now is that what we have seen is that the growers are all growing," and that "as new states come on board they are all going to need new licensed producers." And since there are federal restrictions on interstate movement of cannabis, production will have to be local to each state, requiring multiple production facilities

"We're really looking forward to it and scaling up significantly next year," Dr. Gluckman said.

To watch the full interview on YouTube, [click here](#).

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Sixth Wave's Dr Jon Gluckman on the competitive advantages

of Molecular Imprint Polymers for the rapid detection of viruses

In a recent InvestorIntel interview, Tracy Weslosky speaks with Dr. Jon Gluckman, President, CEO and Founder of Sixth Wave Innovations Inc. (CSE: SIXW | OTCQB: ATURF) about the application of their patented Molecular Imprint Polymers (#MIPs) technology for the detection of the COVID-19 virus, the flu and virus detection in general.

In this InvestorIntel interview, which may also be viewed on YouTube (click here to subscribe to the InvestorIntel Channel), Dr. Gluckman went on to say that their patented #MIPs technology can identify molecules and may be used for detection of viruses in general and more specifically for COVID-19. He added, "We are in the phase 2 of our development for a COVID-19 test that would be completely synthetic test based on our molecular imprinted polymer technology." Sixth Wave was recently awarded funding from the Nova Scotia COVID-19 Response Council for the development of its Accelerated Molecularly Imprinted Polymer (AMIPs™) technology for the rapid detection of viruses such as SARS-CoV-2.

Speaking on the advantages of their synthetic test Dr. Gluckman said that the two test currently used for COVID-19 detection uses biological material which is fragile and uses tremendous infrastructure to support growing of the biological materials. He explained that Sixth Wave's technology uses synthetic polymers to detect viruses at a very low cost and allows for extended shelf life, minimal storage and handling requirements, and less sensitivity to temperature and light degradation.

To watch the complete interview, click here

About Sixth Wave

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