

# Jon Gluckman of Sixth Wave Innovations Discusses Its Lithium and Gold Extraction Technology

written by InvestorNews | March 23, 2023

In this InvestorIntel interview during PDAC 2023, Tracy Weslosky talks to [Sixth Wave Innovations Inc.](#)'s (CSE: SIXW | OTCQB: SIXWF) CEO, President, and Director, Dr. Jon Gluckman about how Sixth Wave's lithium extraction technology offers "phenomenal ESG improvements for hard rock lithium mining." In addition to recently simplifying its process flow sheet and significantly lowering energy usage, Dr. Gluckman discusses how their technology uses safer and greener reagents to produce battery-grade lithium carbonate.

Providing an update on Sixth Wave's IXOS® gold extraction technology, Dr. Gluckman discusses how their technology offers a superior replacement for activated carbon used in the gold mining industry. Speaking about the success achieved with their gold extraction technology, Dr. Gluckman explains how their technology can help gold mines reduce their all-in-sustaining-cost (AISC) by as much as US\$100-200 per ounce.

Sixth Wave is in negotiations with multiple lithium properties and several gold mines to use its processing technology as well as moving ahead with several projects in non-mining sectors as well.

To access the full InvestorIntel interview, [click here](#).

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InvestorIntel YouTube channel by [clicking here](#).

## About Sixth Wave Innovations Inc.

Sixth Wave is a nanotechnology company with patented technologies that focus on the extraction and detection of target substances at the molecular level using highly specialized molecularly imprinted polymers (MIPs). The Company is in the process of commercializing its IXOS<sup>®</sup> – AuC polymer for the gold mining industry is focused on expanding the offerings as noted here in lithium. The Company's patent portfolio covers extensions of the designs for extraction and purification of other critical metals including nickel, cobalt, rare earth elements, and platinum group metals.

Sixth Wave can design, develop and commercialize MIP solutions across a broad spectrum of industries. The company has successfully developed nanotechnology architectures that are highly relevant for the detection and separation of viruses, bacteria, biogenic amines, and other pathogens. The Company is finishing commercialization of its Affinity™ system for purification of cannabinoids. The Company is actively looking for licensing opportunities to monetize these assets as it focuses on the mining and critical metals industry.

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

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accurate or complete.

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# Dr Jon Gluckman provides an update on Sixth Wave Innovations' pathogen detection technologies

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In a recent InvestorIntel interview, Tracy Weslosky spoke with Dr. Jon Gluckman, President and CEO of [Sixth Wave Innovations Inc.](#) (CSE: SIXW | OTCQB: SIXWF) about Sixth Wave's virus detection technology for SARS-CoV-2 and about their [partnership with TraceSafe Inc.](#) for the detection of viruses and pathogens in animals.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Dr. Gluckman said that Sixth Wave's virus detection technology is based on molecular imprinted polymer and "...can detect the COVID-19 virus and all its variants, at levels that are better than immunoassay tests." He went on to highlight the growing instances of disease outbreaks in animals caused by viruses and pathogens that can impact our food supplies. Dr. Gluckman also explained how Sixth Wave is working with TraceSafe to develop a first-of-its-kind solution that can prevent and contain deadly viruses and pathogens in animals and provide real-time updates across the entire food supply chain.

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

## About Sixth Wave Innovations Inc.

Sixth Wave is a development stage nanotechnology company with patented technologies that focus on extraction, purification,

and detection of target substances at the molecular level using highly specialized Molecularly Imprinted Polymers (MIPs). The Company is in the process of commercializing its, IX0S®, a line of extraction polymers for the gold mining industry.

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 detection, purification, and separation of viruses, biogenic amines and other pathogens, and nutraceuticals for which the Company has products at various stages of development.

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## **Jon Gluckman of Sixth Wave Innovations on the increased profitability and decreased carbon emissions from gold mines using its IXOS® product line**

written by InvestorNews | March 23, 2023

In a recent InvestorIntel interview, Tracy Weslosky spoke with Dr. Jon Gluckman, President and CEO of [Sixth Wave Innovations Inc.](https://www.sixwave.com) (CSE: SIXW | OTCQB: SIXWF) about how Sixth Wave's IXOS®

gold adsorption and recovery technology can help reduce costs and increase yield for gold mines resulting in as much as US\$100/Troy Oz savings.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Dr. Gluckman said that Sixth Wave's IXOS® purification polymer is eco-friendly and is a superior replacement for the activated carbon used today in the gold mining industry. He went on to explain how IXOS® can provide additional carbon credits for reducing carbon dioxide emissions and help enhance a gold mine's ESG posture. Currently working with some of the major gold mining companies, Dr. Gluckman said that Sixth Wave's IXOS® technology can also be used in silver mining and in that of other high value metals.

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

### **About Sixth Wave Innovations Inc.**

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# Sixth Wave hits the market with MIP coatings and sensors for the biodetection of viruses and bacteria

written by InvestorNews | March 23, 2023

[Sixth Wave Innovations Inc.](#) (CSE: SIXW | OTCQB: SIXWF) (“Sixth Wave”) is a nanotechnology company focused on the ‘detection and extraction’ of target substances at the molecular level using specialized molecularly imprinted polymers (MIPs).

**Sixth Wave’s nanotechnology uses MIPs to detect and extract almost any target molecule**



Source: [Sixth Wave Innovation website – About MIPs](#)

There is a huge list of potential industries that can benefit from Sixth Wave’s MIP technology; however key areas of interest for now for Sixth Wave are health (rapid COVID-19 detection), cannabis production (cannabinoid purification), security, gold and lithium extraction.

**AMIP COVID-19 test with improved sensitivity**

[Announced](#) on August 19, 2021, Sixth Wave has improved the sensitivity and capability of its leading-edge nanotechnology

AMIP to detect the presence of the COVID-19 virus at levels below 1,000,000 virus particles/mL. Dr. Garrett Kraft, Vice President of Innovation at Sixth Wave, [stated](#): “Hitting this level of detection is a huge achievement for us. With this technical milestone, we are fulfilling the sensitivity requirements for many of our intended end-use applications for high throughput screening.”

Note: Accelerated Molecular Imprinted Polymers (AMIPs) are rapid acting MIPs.

The clinical significance of a more sensitive test is the potential to detect COVID-19 earlier and in patients that are asymptomatic, when lower levels of the virus may be present. According to Grandview Research, the global COVID-19 diagnostics market size was estimated at [USD 84.4 billion](#).

Sixth Wave is quickly moving through a program of development and scale-up milestones toward a wide range of AMIPs virus rapid detection devices.

### **MIP coatings and sensors for biodetection of viruses and bacteria**

Sixth Wave recently [announced](#) that they have filed for a patent for their MIP coatings and sensors for biodetection. The patent focuses on the synthesis and processing of MIPs containing detection elements for viruses and bacteria. Sixth Wave [state](#): “The patent will be solely in the name of Sixth Wave, who will have exclusive ownership of the IP, subject to a reasonably agreed-upon license fee. The work with York University is an expansion of Sixth Wave’s efforts with the AMIP product line and focuses on detecting both viral and bacterial-based pathogens in fluid samples.”

This could potentially be a huge business one day for Sixth Wave

given the global need for rapid detection of viruses and bacteria.

### **More about Sixth Wave**

Sixth Wave has collaborated for research and testing with some of the largest entities in the chemical, resources, education, security, defense and medical sectors. Sixth Wave's systems are all patented or patent pending in 40+ countries worldwide.

Sixth Wave's key product names are IXOS® (a line of extraction polymers for the gold mining industry), Affinity™ (for the cannabis industry), and AMIPs (for sensitive and rapid COVID-19 testing). Sixth Wave recently [announced](#) an Affinity system has been shipped from the contract manufacturer and is on the way to Sixth Wave and then onto the first customer, Green Envy Extracts.

Other prospective products in development include a wide range of AMIPs Virus/Bacteria rapid detection devices, Personal Protective Equipment applications such as SIXW's Smart Mask™ (see news dated [May 15, 2020](#)), and smart clothing, airborne sensors, breathalyzers, ELISA-based technologies, cartridge/lateral flow designs, and others.

### **Closing remarks**

Sixth Wave is at an exciting stage as the Company rolls out the commercialization of its Affinity™ cannabinoid purification system, IXOS® gold mining extraction technology, and soon plans the rollout of their AMIPs virus rapid detection devices and other products.

The idea of one day being able to potentially use a Sixth Wave MIP sensor to rapidly detect viruses and bacteria pathogens is quite amazing, and if it happens, would be a significant

advancement for medical diagnosis.

Trading on a market cap of just C\$30 million, stay tuned for more developments from this fast-moving company.

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

written by InvestorNews | March 23, 2023

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**<sup>™</sup>") 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, IX0S®, 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.

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

written by InvestorNews | March 23, 2023

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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# Sixth Wave's Dr. Jon Gluckman talks about the election and the 2nd wave of cannabis investment

written by InvestorNews | March 23, 2023

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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