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BIONXT ANNOUNCES NATIONAL LEVEL PATENT FILINGS FOR SUBLINGUAL ANTICANCER DRUGS FOR THE TREATMENT OF AUTOIMMUNE NEURODEGENERATIVE DISEASES AND CONVERTIBLE DEBENTURE FINANCING

VANCOUVER, BC – October 28, 2024 - BioNxt Solutions Inc. ("**BioNxt**" or the "**Company**") (CSE: BNXT / OTC: BNXTF / FSE: BXT) is pleased to announce that it has initiated the nationalization process for the filing of a family of patents for the sublingual delivery of anticancer drugs for the treatment of autoimmune neurodegenerative diseases. The patents are 100% owned by BioNxt.

Subject to the international Patent Cooperation Treaty ("PCT"), the European Patent Office ("EPO") issued a positive International Preliminary Report on Patentability ("IPRP"), announced by the Company on September 9, 2024. The EPO accepted the Company's claim that the patent family was new, useful, and non-obvious, satisfying the requirements for patentability.

Based on the report's findings, BioNxt is advancing its patent protection process to national level filings in the following international jurisdictions:

- Independent filing nations: Australia (AU), Canada (CA), New Zealand (NZ), USA (US), Japan (JP);
- European Patent Office: Albania, Austria, Belgium, Bulgaria, Switzerland/Liechtenstein, Cyprus, Czech Republic, Germany, Denmark, Estonia, Spain, Finland, France, Great Britain, Greece, Croatia, Hungary, Ireland, Iceland, Italy, Lihuania, Luxembourg, Latvia, North Macedonia, Monaco, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Sweden, Slovenia, Slovak Republic, San Marino, Turkey; and
- Eurasian Patent Organization ("EAPO"): Armenia, Azerbaijan, Belarus, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Russian Federation.

Regarding national level patent recognition, most PCT member countries will accept EPO recognized patents based on the IPRP, subject to required translation and administrative filings in the given jurisdiction. Some countries, namely the US and Japan, may undertake an individual patent review; however, the IPRP is expected to guide the review process, which is typically positive.

The Company's family of patents for sublingual delivery of anticancer drugs for the treatment of autoimmune neurodegenerative diseases is expected to provide patent protection for multiple drug products out to 2045.

BioNxt's lead drug development program in its autoimmune neurodegenerative disease portfolio is a 100% owned and proprietary sublingual Cladribine product for the treatment of Multiple

Sclerosis (“MS”). Cladribine tablets are currently approved for use in over 75 countries, including by the United States Food and Drug Administration (“FDA”) and the European Medicines Agency (“EMA”), with 2023 annual sales in excess of one billion USD according to Merck KGaA. Cladribine tablets are approved for several indications, namely highly active forms of relapsing-remitting MS. MS represents the largest market segment for the sale of Cladribine with approximately 2.3 million people living with MS worldwide, with the highest prevalence in North America and Europe, noted by Atlas of MS. The global Multiple Sclerosis drug market is anticipated to top USD 41 billion by 2033 according to Market.us. BioNxt’s sublingual Cladribine product is expected to yield a significant advantage over the tablet form for patients suffering from Dysphagia (difficulty swallowing), which is a common symptom among MS patients.

BioNxt’s second drug development program in its autoimmune neurodegenerative portfolio is a 100% owned and proprietary sublingual Cladribine product for the treatment of Myasthenia Gravis (“MG”). MG is an autoimmune and neuromuscular disease characterised by muscle weakness and fatigue. MG patients also commonly experience Dysphagia whereby a sublingual product is expected to yield a significant advantage over conventional tablet forms. The global MG market is expected to reach USD 6.7 billion by 2032 according to Clinical Trials Arena.

In general, the expectation of continued increasing prevalence of Central Nervous System (“CNS”) pathologies will drive investment into new drugs and new drug delivery systems capable of targeting these diseases. The market size for drugs to treat CNS diseases is growing and expected to reach USD 238.8 billion by 2032 according to GMI Market Insights.

The Company also announces a non-brokered private placement of convertible debentures (the “Debentures”) for aggregate gross proceeds of up to $3,000,000 (the "Offering"). The Debentures will bear interest from their issue date at 8.0% per annum and will mature two years following the closing date. The Debentures are unsecured and will rank pari passu in right of payment of principal and interest with all the existing and future unsecured indebtedness of the Company. Pursuant to a price reservation filed with the Canadian Securities Exchange (the “CSE”) on October 25, 2024, the principal amount of each Debenture will be convertible at the option of the holder into common shares in the capital of the Company (a "Common Share") at any time prior to the maturity date at a conversion price of $0.25 per Common Share. Conversion of the Debentures may be forced at the option of the Company if the 15-day volume weighted average price of the Common Shares on the Canadian Securities Exchange exceeds 250% per share of the conversion price.

All securities issued in connection with the Offering will be subject to a statutory hold period of four months and one day following the closing date of the Offering in accordance with applicable securities legislation. Completion of the Offering is subject to a number of conditions, including, but not limited to, the receipt of all regulatory approvals. The Company may pay a finder's fee in connection with the Offering to eligible arm's length finders in accordance with the policies of the Canadian Securities Exchange.

This news release does not constitute an offer to sell or the solicitation of any offer to buy, nor shall there be any sale of these securities in any jurisdiction in which such offer, solicitation or sale

would be unlawful. The Debentures and the Shares which may be issued on exercise thereof have not been and will not be registered under the United States Securities Act of 1933, as amended (the "U.S. Securities Act") and may not be offered or sold in the United States absent registration or an applicable exemption from the registration requirements of the U.S. Securities Act and applicable state securities laws.

About BioNxt Solutions Inc.

BioNxt Solutions Inc. is a bioscience accelerator focused on next-generation drug formulations and delivery systems, diagnostic screening tests, and new active pharmaceutical production and evaluation, including: precision transdermal and oral dissolvable drug formulations; rapid, low-cost infectious disease and oral health screening tests; and standardization and clinical evaluation of emerging active pharmaceutical ingredients for neurological applications. The Company has research and development operations in North America and Europe, with an operational focus in Germany, and is currently focused on regulatory approval and commercialization of medical products for European markets.

BioNxt Solutions Inc.

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Cautionary Statement Regarding "Forward-Looking" Information

Some of the statements contained in this news release are forward-looking statements and information within the meaning of applicable securities laws. Forward-looking statements and information can be identified by the use of words such as "expects", "intends", "is expected", "potential", "suggests" or variations of such words or phrases, or statements that certain actions, events or results "may", "could", "should", "would", "might" or "will" be taken, occur or be achieved. Forward-looking statements and information are not historical facts and are subject to a number of risks and uncertainties beyond the Company's control. Actual results and developments are likely to differ, and may differ materially, from those expressed or implied by the forward-looking statements contained in this news release. Accordingly, readers should not place undue reliance on forward-looking statements. The Company undertakes no obligation to update publicly or otherwise revise any forward-looking statements, except as may be required by law.