



**InMed**  
Pharmaceuticals

## Corporate Presentation

July 2024

 Nasdaq :INM

[www.inmedpharma.com](http://www.inmedpharma.com)



# Forward Looking Statements

This presentation contains forward-looking statements and forward-looking information within the meaning of applicable securities laws (collectively, “forward-looking statements”) including, among others, statements concerning: anticipated development activities, timelines, catalysts, and milestones; the potential benefits of product candidates; anticipated revenue and market opportunities; and the continued availability of key personnel. All statements other than statements of historical fact are statements that could be deemed forward-looking statements.

With respect to the forward-looking information contained in this presentation, the Company has made numerous assumptions regarding, among other things: being a pure-play rare cannabinoid company; making rare cannabinoid more accessible; untapped market potential of rare cannabinoids; multiple methods to select most cost-efficient manufacturing approach; providing a scalable, reliable supply; INM-755 reports positive indication of enhanced anti-itch activity for INM-755 cream versus the control cream alone; INM-755 CBN cream demonstrated a favorable safety and tolerability profile; INM-755 CBN cream demonstrated sufficient clinically important anti-itch activity to warrant further development. InMed will now pursue strategic partnership opportunities for INM-755 in EB and other itch related diseases; INM-901 showing to reduce impediments to neuronal function; showing Increased neurite outgrowth, signifying potential for enhanced neuronal function; CBN showing a distinct advantages over other cannabinoids in providing neuroprotection and lowering IOP; INM-089 showing promise in preserving retinal function in the in vivo AMD disease model; preferential signaling ligand for CB1 and CB2; INM-901 demonstrating potential to target several biological pathways associated with Alzheimer’s disease; cannabinoids are highly lipophilic and can safely cross the blood brain barrier; INM-901 is shown to have a positive effect on neuroprotection, cytotoxicity, neurite outgrowth, neuronal function, locomotion, cognition, memory and inflammation; preferential signaling ligand for CB1 and CB2; Increased neurite outgrowth; INM-901 has ability to pass the blood-brain barrier; Long term health care costs projected to reach \$390 Billion in 2024; Rare cannabinoids are an emerging growth sector; having high yield scalable production methods; having bioidentical cannabinoids to the plant; exploring proprietary cannabinoid analogs for pharma target; continuing to build a significant IP portfolio; delivering pure, consistent, reliable cannabinoids; creating patentable cannabinoid analogs; Supporting further growth in commercial BayMedica business; BayMedica revenue trending positively; rare cannabinoid market being a rapidly growing sector; CBD being an indicator for of rare cannabinoids; advancing ocular program towards IND filing / human clinical trials; advancing INM-901 in preclinical in vivo studies and CMC preparation; identifying and executing on strategic partnerships.

These statements are based on management's current expectations and beliefs and are subject to a number of risks, uncertainties and other factors that could cause actual results to differ materially from those described in the forward-looking statements. These risks and uncertainties include, among others: the possibility that clinical trials will not be successful, or be completed, or confirm earlier clinical trial results; risks associated with obtaining funding from third parties; risks related to the timing and costs of clinical trials; key personnel may become unable to serve the Company; the need for receipt of regulatory approvals; changes in regulations that are adverse to our business; and economic and market conditions may worsen. This presentation also contains estimates and other statistical data made by independent parties and by us relating to market size and growth and other data about our industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. Readers are cautioned that the foregoing list is not exhaustive. A more complete discussion of the risks and uncertainties facing InMed’s stand-alone business is disclosed in InMed’s Annual Report on Form 10-K and other filings with the Security and Exchange Commission on [www.sec.gov](http://www.sec.gov) as well as Company’s full financial statements and related MD&A for the fiscal year ended June 30, 2023, are available at [www.sedar.com](http://www.sedar.com). The Company undertakes no obligation to update the forward-looking statements contained herein or to reflect events or circumstances

occurring after the date hereof, except as required by law.



# Overview & Investment Highlights



- Robust R&D pipeline with 3 candidates in dermatology, ocular and Alzheimer's
  - A successful Phase 2 dermatology program, currently seeking partnerships
  - Library of proprietary analogs targeting diverse pharmaceutical applications
- A revenue generating subsidiary selling rare cannabinoids to the H&W industry
  - Diverse product portfolio of bioidentical non-intoxicating rare cannabinoids
  - Consistent revenue growth including 278% YoY F2023 v F2022
- Broad range of IP across molecules, manufacturing, formulations and methods of use



# A Clinical Stage Pharmaceutical Company

A GLOBAL LEADER IN THE RESEARCH, DEVELOPMENT, MANUFACTURING AND COMMERCIALIZATION OF RARE CANNABINOIDS



## Drug Discovery

- Pipeline of pharmaceutical programs
- Skin, ocular and neurodegenerative diseases



## Pharmaceutical R&D

- Screening of therapeutic candidates
- Cannabinoid analogs development



## Manufacturing

- Chemical and biosynthesis expertise
- High yield production



## Commercial

- B2B supplier to health and wellness industry
- Multiple bio-identical rare cannabinoids



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# Drug Development Programs



# Pharmaceutical Pipeline

		HIGHLIGHTS	SCREENING	PRECLINICAL	PH 1	PH 2	PH 3	
INM-901 Alzheimer's disease	CBx	<ul style="list-style-type: none"> <li><i>In vivo</i> studies – improved neuronal function, neuroprotection, other beneficial effects</li> <li>Patent application filed</li> </ul>						
INM-089 Dry Age-related Macular Degeneration	CBN ANALOG	<ul style="list-style-type: none"> <li>Planning for IND-enabling toxicology studies</li> <li>Long patent life on composition of matter</li> </ul>						
INM-755 Epidermolysis bullosa	CBN	<ul style="list-style-type: none"> <li>Phase 2 - Study completed</li> <li>Showed a positive indication of enhanced anti-itch activity versus control cream</li> <li>Currently pursuing partnership for further development</li> </ul>	Seeking Strategic Partnerships					
OTHER R&D	CBz etc.	<ul style="list-style-type: none"> <li>R&amp;D underway to screen for therapeutic uses</li> </ul>						



# Alzheimer's Disease – A Major Medical & Societal Burden

CURRENT TREATMENT OPTIONS DO NOT REVERSE EFFECTS

## What is Alzheimer's Disease?

Alzheimer's is a subset of dementia that impacts the part of the brain that controls thought, memory and language and leads to increased morbidity and mortality.

The two most recognized hallmarks of Alzheimer's disease are the build-up of amyloid-beta plaques and neurofibrillary tangles caused by tau proteins. Emerging research indicates that neuroinflammation is also a factor. Lifestyle and genetics are likely contributors to disease development.

## Impact

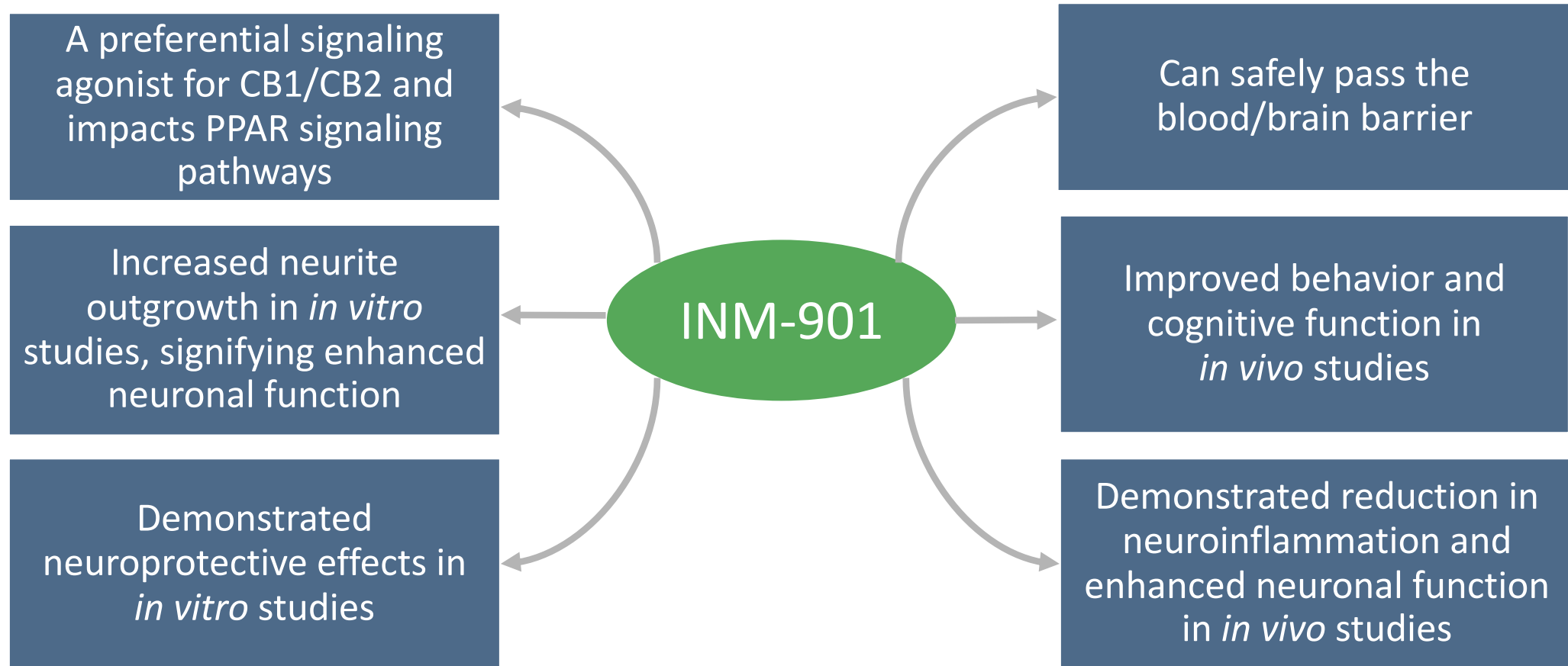
- Alzheimer's accounts for 60-80% of dementia cases
- 1 in 5 women, 1 in 10 men
- 6M+ Americans affected
- 5<sup>th</sup> leading cause of death for 65+
- U.S. annual financial impact \$345B (Alzheimer's and other dementia)

*Source: Alzheimer's Association (U.S.)*



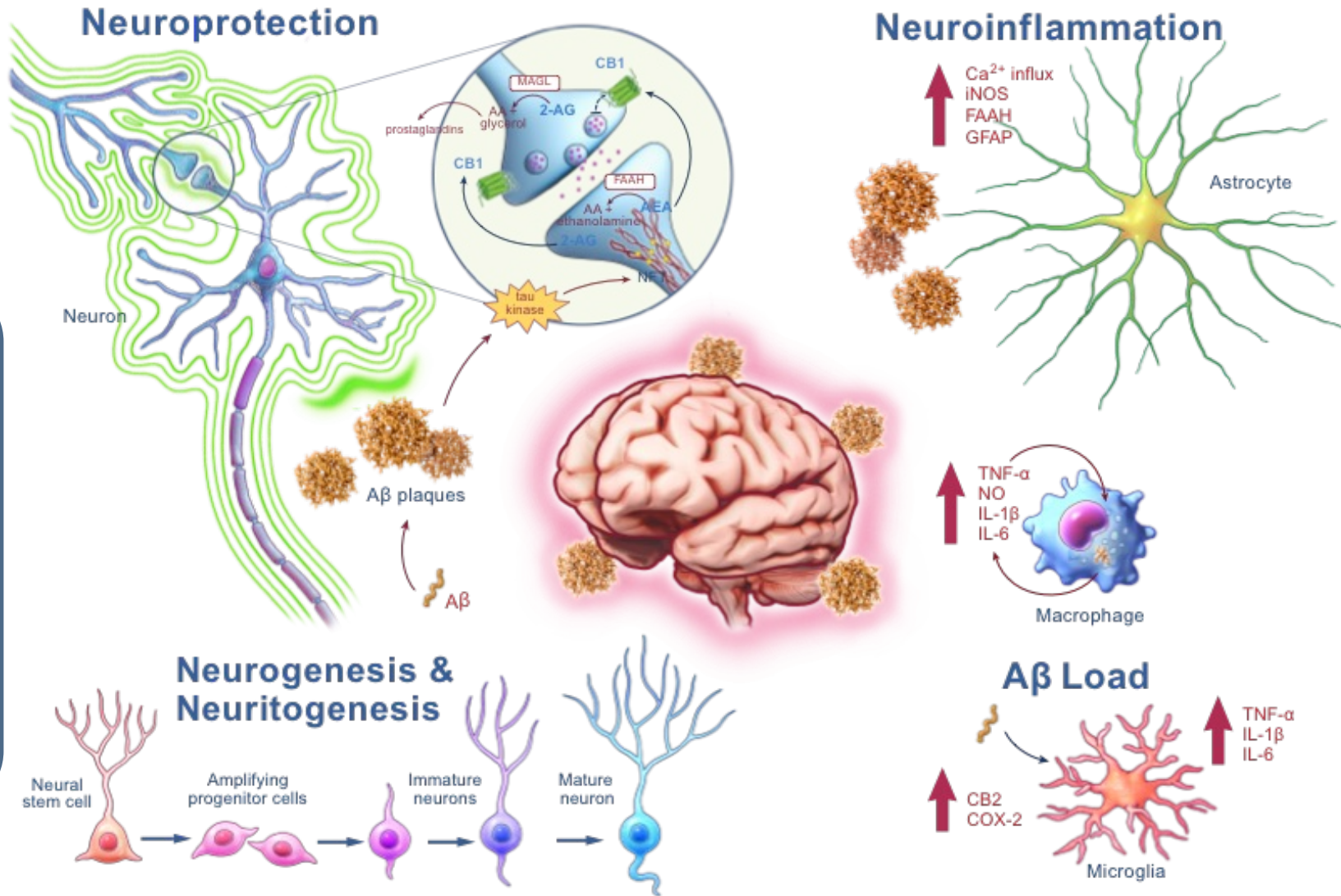
# INM-901: A Multi-factorial Approach

POTENTIALLY DISEASE-MODIFYING SMALL MOLECULE DRUG CANDIDATE





# INM-901: Potential Multiple Mechanisms of Action



## INM-901

- ↓ Cytotoxicity
- ↓ Neuroinflammation
- ↑ Neuroprotection
- ↑ Neurite outgrowth
- ↑ Neuronal function
- ↑ Locomotion
- ↑ Memory
- ↑ Cognition

## INM-901

- Proprietary small molecule compound can cross BBB
- May be formulated orally
- NOT expected to have intoxicating effects
- Preferential signaling agonist for CB1/CB2
- Impacts PPAR signaling pathways



# Demonstrates Multiple Pharmacological Effects

POTENTIAL TO TARGET SEVERAL BIOLOGICAL PATHWAYS ASSOCIATED WITH ALZHEIMER'S DISEASE

## Neuroprotection Studies

- Amyloid- $\beta$ -induced model
- Cytotoxicity and apoptosis
- Neuroinflammation decreased

### Result:

INM-901 treated groups demonstrated dose-dependent cell survival and proliferation

## Neuritogenesis Studies

- Measured neurite length compared to control and THC
- INM-901 promotes the regeneration of neurites in a dose-dependent manner

### Result:

INM-901 treated groups displayed extended neurite length, signifying enhanced neuronal function

## ALZ Behavioral Studies

- Basal and locomotor activity
- Anxiety-related behavior
- Cognitive function and memory
- Sound awareness

### Result:

INM-901 treatment led to improvement in behaviors and cognitive functions



# INM-901 Summary

- Small molecule, systemic delivery across the BBB
  - Possibly deliverable via oral ingestion
- *In vitro*: Demonstrates 2 distinct features
  - Neuroprotection and neuritogenesis
- *In vivo*: 5xFAD model
  - Behavioral improvements: locomotion, cognition, memory
  - Reduced neuroinflammation
  - Increased neuronal function

## Next steps

### Research & Development

- Long-term 6-month in 5xFAD with increasing sample size (on-going)
- Planning study in PS19 Tau model
- On-going activities on CMC for drug substance and oral drug product
- On-going studies of receptor interactions (MoA) and DMPK
- GLP studies to follow

### Business Development

- Identify co-development partners
- Identify strategic investors



# Impact of Dry Age-related Macular Degeneration (AMD)

LEADING CAUSE OF VISION LOSS

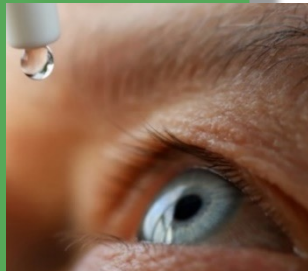
## What is AMD?

AMD is an eye disease that can blur your central vision. It happens when aging causes damage to the macula, the part of the eye that controls sharp, straight-ahead vision.

## AMD Opportunity

- Affects 19.8M Americans aged 40+
- 12.6% of the U.S. population
- 196M people worldwide
- Dry AMD = ~90% of cases

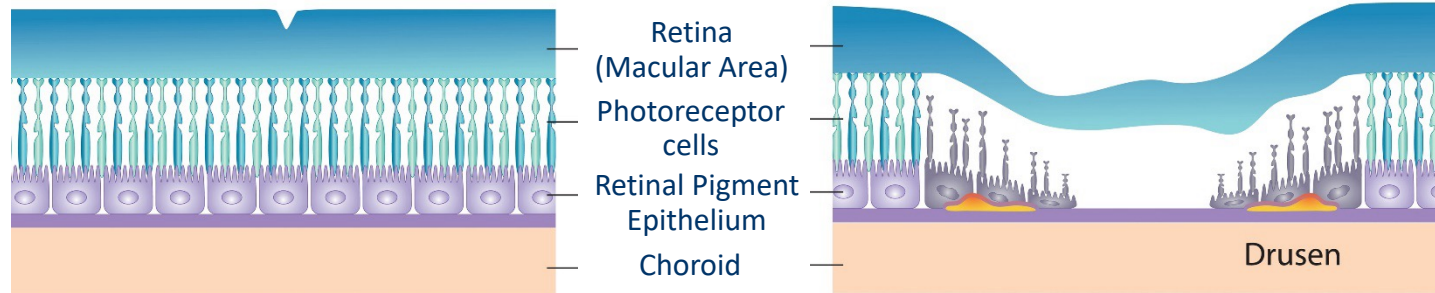
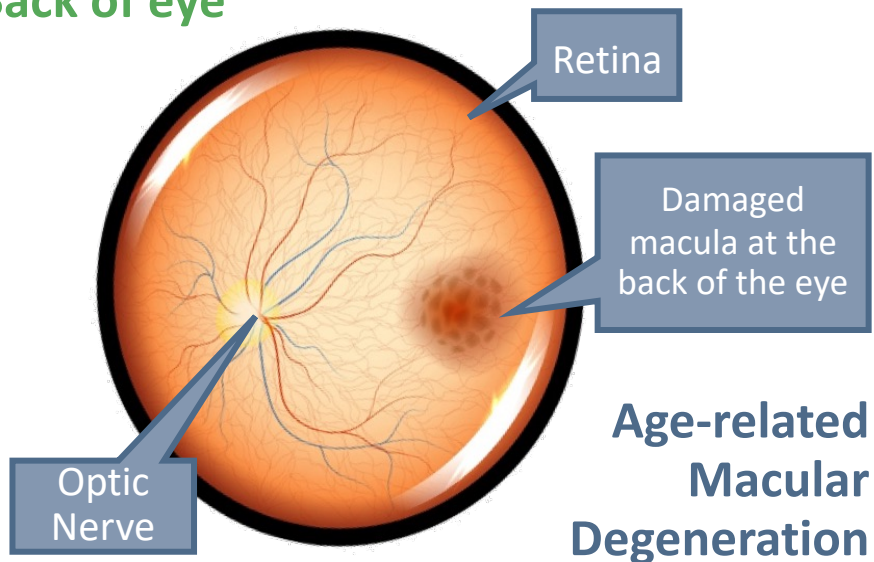
*Sources: American Academy of Ophthalmology, U.S. Centers for Disease Control & Prevention, 2019*





# AMD Occurs When the Macula is Damaged

Back of eye



## Normal Retina

Healthy Photoreceptor cells and Retinal Pigment Epithelium (RPE)

## DRY AMD

Photoreceptor cells and RPE are damaged and lost by inflammation

Dry AMD is the most common form of AMD. In the advanced stages of dry AMD, called Geographic Atrophy (“GA”), the retina has atrophied and the macula has wasted away, leading to the loss of central vision.



# INM-089: A Differentiated Approach to Treating Dry AMD





# INM-089 Summary

- Proprietary small molecule drug candidate
- Deliverable via IVT formulation
- *In vitro*: Demonstrates Neuroprotection of RGC via pressure-induced-damage model
- *In vivo*: Light-Damaged *in vivo* rat model
  - Improved photoreceptor functions
  - Reduced exocellular AF deposit
  - Preserved RPE Integrity

## Next steps

### Research & Development

- Additional Protein and RNA analysis results are pending
- Continuing CMC activities for drug substance and drug product
- On-going studies of receptor interactions (MoA) and DMPK
- GLP studies to follow

### Business Development

- Identify co-development partners
- Identify strategic investors



# INM-755 Cannabinol (CBN) Cream: Phase 2 Results in Itch

Conducted in Epidermolysis bullosa patients – a severe genetic dermatological disease with chronic, severe itch as a primary symptom.

## Key Results:

- A positive indication of enhanced anti-itch activity for INM-755 cream versus the control cream alone.
- INM-755 CBN cream demonstrated a favorable safety and tolerability profile.
- Results for non-wound itch were not statistically significant in favor of INM-755 CBN cream due, in part, to the clinically important anti-itch effect of the underlying control cream.

## Non-Wound Itch: Data breakdown

Of the 18 participants assessed, chronic itch improved by a clinically meaningful amount in **12 patients (66.7%)**, of whom:

- **6 patients (33.3%)** had the same level of itch improvement with INM-755 cream as with control cream;
- **5 patients (27.8%)** treated with INM-755 showed meaningful anti-itch activity beyond that of the control cream; and
- **1 patient (5.6%)** showed better itch reduction with the control cream.

INM-755 CBN cream demonstrated sufficient clinically important anti-itch activity to warrant further development. InMed will now pursue strategic partnership opportunities for INM-755 in chronic itch and other related diseases.





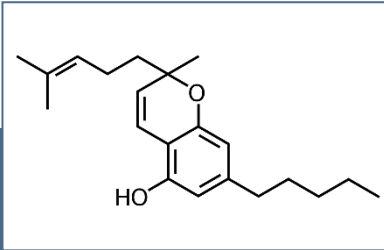
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# BayMedica Commercial Business



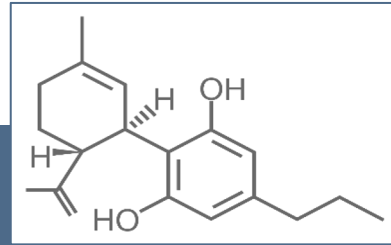
# BayMedica -Wholesale Rare Cannabinoids for the H&W Market

HIGH PURITY, CONSISTENT & BIOIDENTICAL TO NATURE



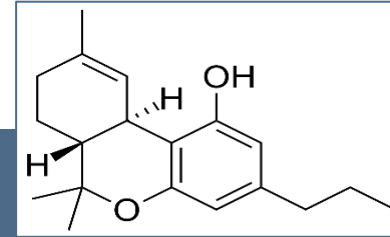
**CBC**

Cannabichromene



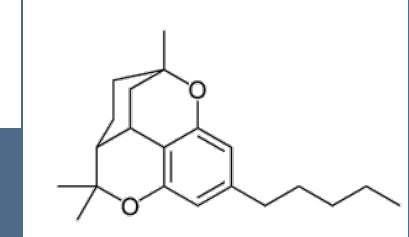
**CBDV**

Cannabidivarin



**THCV**

Tetrahydrocannabivarin



**CBT**

Cannabicitran

## CONSISTENCY

High quality, bioidentical rare cannabinoids with exceptional consistency in every batch.

## SCALABILITY

Very few companies can produce rare cannabinoids at commercial scale. We can.

## RELIABILITY

Our cannabinoids are made using food grade GMP standards. Our products are lab tested, and third-party certified.

## COST-EFFECTIVENESS

Multiple manufacturing methods to select the most effective and cost-efficient way to produce targeted rare cannabinoids.

## EXPERTISE

Our team of cannabinoid experts are pioneers in yeast biosynthesis and chemistry of cannabinoids

## PURITY

Always THC-free, non-intoxicating with target purity levels of at least 95%. Guaranteed.



# BayMedica Financial Performance

## Calendar Year Revenue Growth



QoQ Growth	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24
	+46%	+120%	+123%	-61%	+37%	-

- 278% growth: YoY F2023 v F2022
- Trailing 12-month revenue is **\$5.6m**
- Currently operating as a cash flow positive business
- Quarterly fluctuations due to inconsistent ordering patterns in nascent industry
- Forecasting improved COGS through process optimization



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# Depth in Pharmaceutical R&D

EXTENSIVE EXPERIENCE IN PHARMA DISCOVERY, DEVELOPMENT, API MANUFACTURING, CLINICAL AND REGULATORY



**Eric A. Adams, MIBS**  
Chief Executive Officer

30+ years of experience in global biopharma leadership in BusDev, S&M with enGene, QLT, Abbott, Fresenius



**Neeta Jagpal, CPA**  
Chief Financial Officer

20+ years of biotech financial leadership: Zymeworks, Angiotech, D-Wave, Ernst & Young.



**Alexandra Mancini, MSc**  
SVP, Clinical & Regulatory Affairs

30+ years of global biopharma R&D experience: Sirius Genomics, Inex Pharmaceuticals, and QLT



**Shane Johnson, MD**  
SVP & GM, BayMedica

20+ years strategic planning/execution with LEK Consulting (Biogen Idec, Amgen, Genentech) Hamilton BioVentures



**Jerry P. Griffin**  
VP, Sales & Marketing

Senior roles at several Fortune 500 companies, former VP at Creo, proven track record in sales and marketing of cannabinoid products



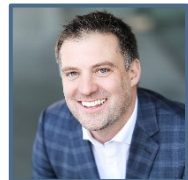
**Michael Woudenberg, PEng**  
Chief Operating Officer

20+ years of engineering, scale-up and GMP manufacturing experience: Phyton Biotech, Arbutus Biopharma, 3M and Cardiome Pharma



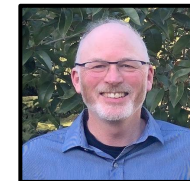
**Eric Hsu, PhD**  
SVP, Preclinical R&D

20+ years of scientific leadership experience in gene transfer technologies, formulation and process development: enGene Inc.



**Colin Clancy**  
VP, IR & Corp Communications

15+ years of experience in finance, investor relations & business development in Pharma, legal cannabis, mining and financial services industries



**Jim Kealy, PhD**  
VP, Synthetic Biology

25+ years in synthetic biology and tech development at Amyris, Intrexon and Kosan Biosciences



**Charles Marlowe, PhD**  
VP, Chemistry

30+ years R&D discovery-to-FDA approval: Millennium Pharma, COR, Chiron, Takeda, Dow Chemical, Exelixis.



# Financial Snapshot As of 2024-06-28

Cash and Short-term Investments	\$7.6 M <sup>(1)</sup>
Shares I/O	9.6 M <sup>(2)</sup>
Options	0.6 M
Warrants and Preferred Investment Options (9.6M @\$0.83 cents)	10.2 M
Fully Diluted Shares	20.4 M
Close	US\$0.25
52-week High	US\$2.08
52-week Low	US\$0.21
Avg. Daily Volume (Trailing 50 Days)	739k
Market Cap	US\$2.4 M <sup>(2)</sup>

<sup>(1)</sup> As of March 31, 2024

<sup>(2)</sup> Includes 695k common shares subject to pre-funded warrant exercises. Market Cap reflects fully exercised pre-funded warrants.



## Fiscal 2024 – Key Value Drivers

- Advance INM-901 in ALZ in long-term preclinical *in vivo* studies and manufacturing
- Advance INM-089 in Dry AMD towards IND filing / human clinical trials
- Evaluate INM-755 in itch for clinical and commercial partnerships
- Target proprietary cannabinoid analogs for pharma R&D pipeline
- Supporting BayMedica revenue and margin growth
- Identify and execute on strategic partnerships





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**Thank you!**

**Colin Clancy**

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Investor Relations & Corporate Communications

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