



Bringing pharmaceutical
industry expertise to the
world of medicinal cannabis

Investor Roadshow Australia
14 November 2016



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Industry in Flux

- The medicinal cannabis industry is still in its infancy and dominated by small players with no pharmaceutical industry expertise
- This has led to questionable treatments due to the lack of standardisation in formulation and dosage of cannabis derived products
- There is a remarkable lack of trusted cannabis brands in the global marketplace
- Established pharmaceutical companies are generally reluctant to enter the market due to evolving regulations

Creso brings pharmaceutical industry expertise and rigor to the world of medicinal cannabis



Company Summary

ASX:CPH

Headquarters in Zug, Switzerland

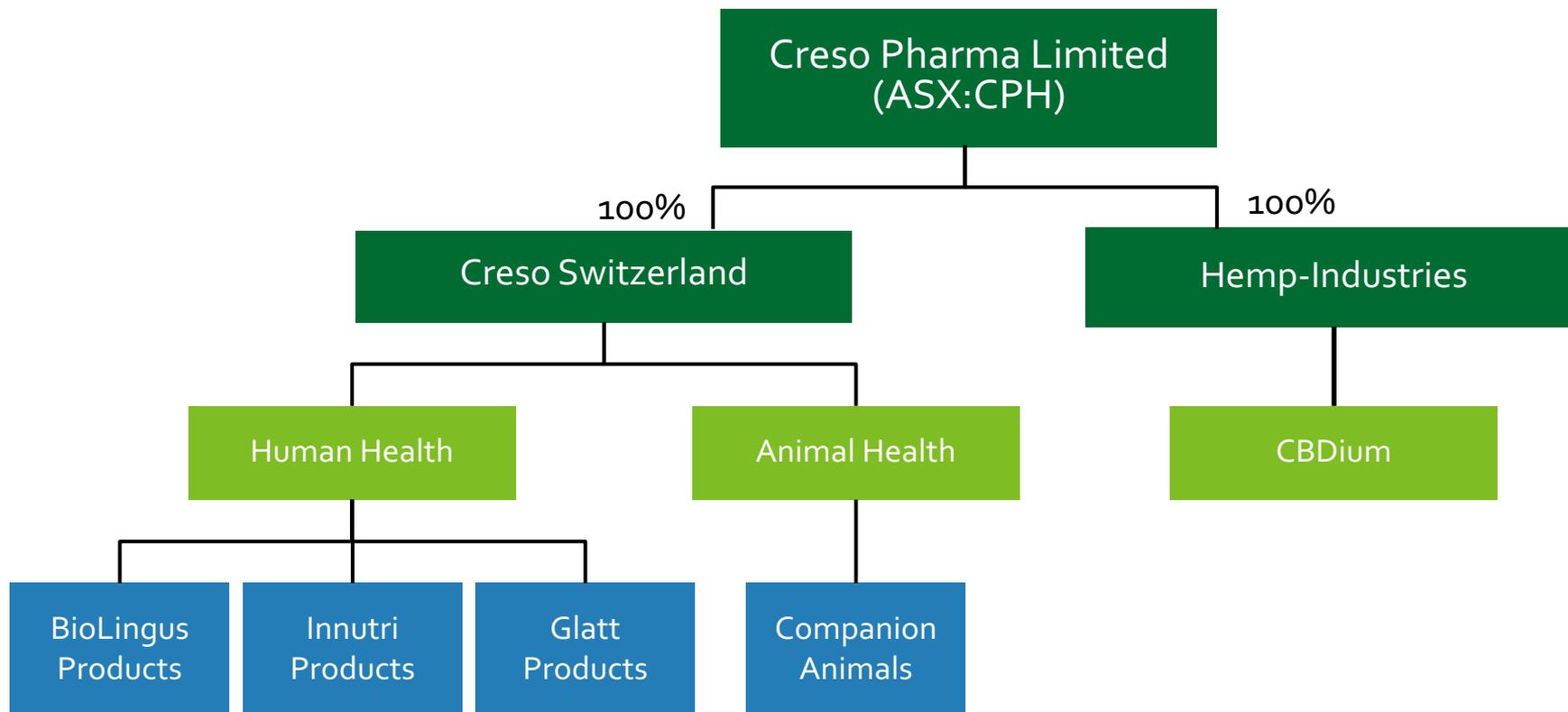


Bringing pharmaceutical industry expertise to the world of medicinal cannabis

Market Cap @ 24cents	\$m	13.8
Cash at Hand	\$m	5.0
Enterprise value	\$m	8.8
Shares on Issue	No.	57.7m
Top 20 shareholders	%	64.04%
Escrowed Shares	No.	28m (48.5% of Shares On Issue)

- Creso Pharma’s operational HQ is out of Zug, Switzerland
- Best-in-class with highest Good Manufacturing Practice (GMP) certified processes
- Standardised cannabis-based treatments that meet international pharmaceutical standards
- Exclusive technology for more effective delivery of dosage
- Focus on the nutraceutical (food supplement) market for both humans and pets

Creso Pharma Group Structure



Creso Pharma Switzerland GmbH with its registered office in Zug (Creso Switzerland) has been incorporated as a Swiss based wholly owned subsidiary. Creso Pharma Switzerland will be used as the legal entity to run the Company's operations and activities, specifically those situated in Europe being the development and commercialization of its therapeutic products.

Investment Proposition



Fills void in current market with growing need for **trusted products** that meet the highest global pharmaceutical standards



Commercially ready with near-term revenue with first product



Growing market opportunity with **three other products in pipeline** targeting human and animal nutraceutical markets



Exclusive licensing deals that gives Creso access to unique drug delivery IP



Diversified revenue stream targeting human and pet treatment markets



Large **global market** that is only at the start of its growth



Company well placed to be the **“gold standard”** in trusted cannabis treatments

Board of Directors



**Dr. Miri
Halperin Wernli**
CEO &
Co-Founder

Dr. Halperin Wernli is a senior pharma executive with over 25 years of strategic and operational leadership in global drug and product development in the pharmaceutical and biomedical industries. She held worldwide executive leadership positions in R&D and in strategic marketing within global pharmaceutical companies in Switzerland and in the US.



**Boaz
Wachtel**
Chairman & Co-
Founder

Mr. Wachtel is a leading Medical cannabis expert, co-founder and former managing director of Phytotech Medical (MMJ.ASX), Australia's first publically traded medical cannabis company. He initiated and helped implement the National Medical Cannabis Program in Israel. Mr. Wachtel is a certified Clinical research manager and holds an MA in management and marketing from the University of Maryland



**Dr. Simon
Buckingham**
Non-Executive
Director

Dr Buckingham is a company director and adviser with over 25 years' senior executive experience in top tier global pharmaceutical/ biotechnology companies. His experience covers a wide range of therapeutic areas and spans general management, sales, marketing, clinical development, business development, M&A and corporate strategic planning. He is a veterinarian by training and holds a PhD from the University of Melbourne.

Private & Confidential



Adam Blumenthal
Non-Executive
Director &
Co-Founder

Mr. Blumenthal has 10 years experience in investment banking and corporate finance. He has deep exposure to Australian and International markets, having provided capital raising and financing solutions to an extensive number of listed and unlisted companies. He has successfully brought to market several medical cannabis companies spanning Israel, Canada, Switzerland and Australia.



**Dr. James
Ellingford**
Non-Executive
Director

Dr. Ellingford's professional life culminated in being President of an international publicly listed billion dollar business with its headquarters in Geneva, Switzerland and New York, USA. He has vast experience in the international arena and has successfully developed close ties with both financial institutions as well as governments throughout the world.

Advisory Panel



Dr. Isaac Kobrin
Industry Advisor

Dr. Isaac Kobrin is an internist with 15 years experience in the academic medicine both in Israel and the USA. He has over 22 years of experience in the Pharma Industry in Roche and Actelion. He has been responsible for the worldwide development of key compounds and has held numerous leadership positions in medical organisations.



Dr. Stéphane Redey
Industry Advisor

Dr. Stéphane Redey has over 18 years experience leading teams in the technical development of innovative drugs and strategic outsourcing. He has held senior positions with global responsibilities in pharmaceutical companies in both Switzerland and Australia. He has led successful international collaborations with companies on four continents.



Dr. Raquel Peyraube
Industry Advisor

Dr. Raquel Peyraube is a specialist in the drug field with more than 28 years experience. Throughout her career she has been involved in training, prevention, treatment and harm reduction, developing innovative approaches emphasising ethical issues which has earned her international recognition. Dr Peyraube is currently a consultant on drug policy reform in Latin America.



Jorge Wernli
Industry Advisor

Mr Wernli is an expert in Market Access, Pricing Reimbursement & Government Affairs with more than 30 years of experience in Big Pharmaceutical companies and start-ups. Previously he dealt with and built relationships with Ministries of Health in Europe, South America and selected Asian countries.

A close-up photograph of a cannabis plant. The image shows several bright green, serrated leaves with prominent veins. In the upper center, there is a developing flower bud (cola) with small, light-colored trichomes. The background is a soft, out-of-focus grey. A semi-transparent white horizontal bar is overlaid across the middle of the image, containing the text "Why Cannabis?".

Why Cannabis?

Safety, Efficacy and Track Record

Cannabis and Hemp extracts are remarkably safe and often the most effective (and sometimes only) treatment for some medical conditions.

Long history of medicinal use, dating back thousands of years in many cultures



Historically proven

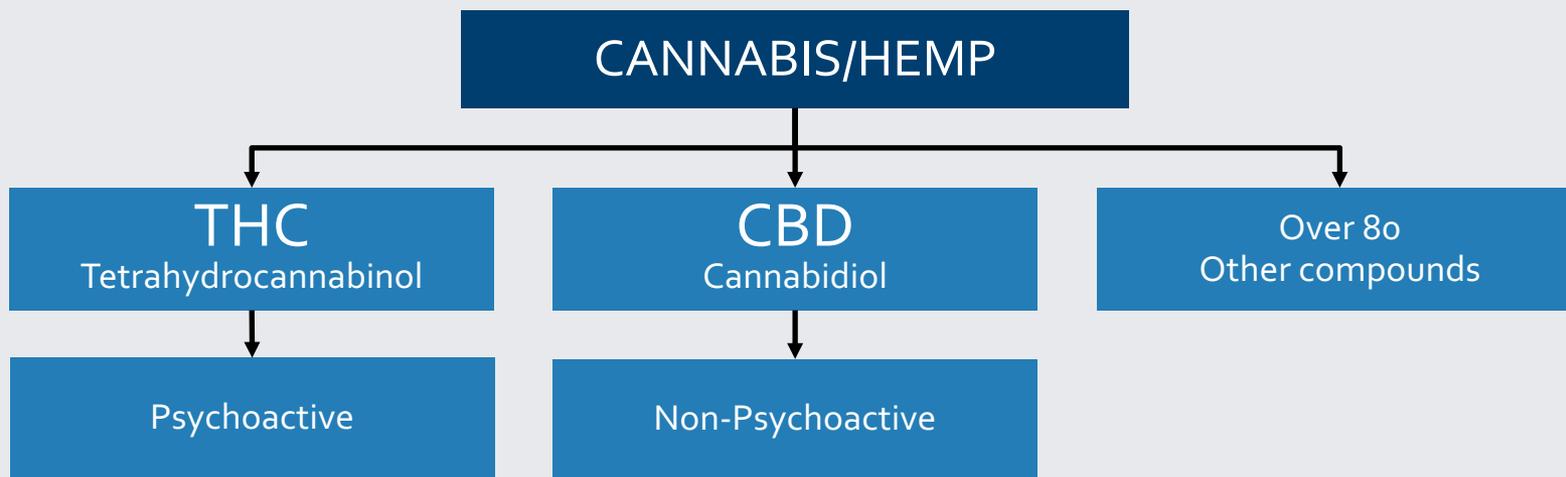
Consists of over 460 compounds – at least 80 are active chemical compounds (Cannabinoids)



Compound rich

Cannabidiol (CBD)

*CBD is the second-most prominent compound found in the Cannabis Sativa plant, after THC and is **non-psychoactive***



Preliminary studies have shown potential **therapeutic benefit** for CBD on various medical conditions

CBD's therapeutic value comes from maintaining homeostasis by regulating, optimising and restoring the balance of key bodily systems (e.g. immune and metabolic systems)

Benefits of CBD

CBD has therapeutic value for many diseases and conditions

1.

Therapeutic benefits

- Anti-inflammatory
- Anti-convulsant
- Anti-oxidant
- Anti-emetic
- Anxiolytic
- Anti-psychotic

2.

Potential treatment of:

- Anxiety/Stress Disorders
- Metabolic Disorders/Diabetes
- Neuro inflammation
- Neurological Disorders/Epilepsy
- Oxidative injury
- Nausea
- Schizophrenia

3.

For pets:

- Animal studies and extensive in vitro research suggest that CBD may have anti-inflammatory effects, may stimulate and regulate appetite, and may modulate anxiety and pain – without psychoactive effects



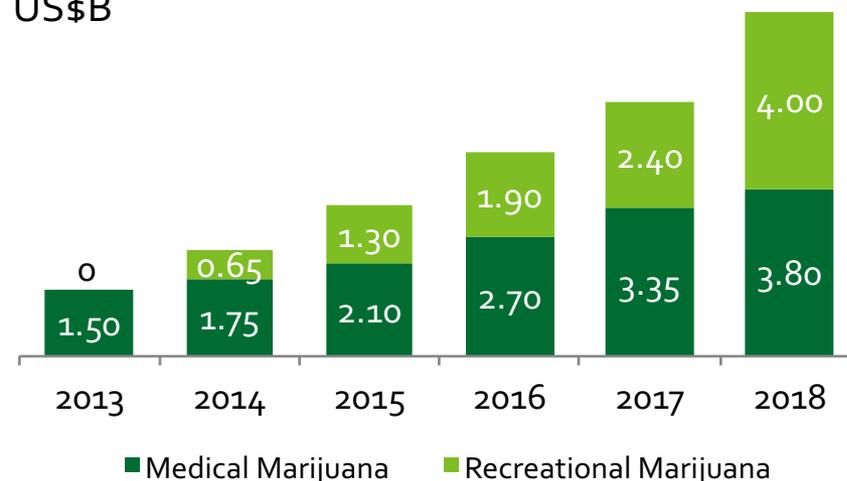
Vast Market Potential

Large and Rapidly Growing Markets

- **Global:** A \$1.8 billion per-year industry, with sales now exceeding \$4.5 billion
- **US:** A 3 million-patient market opportunity (More than 700K patients have already been prescribed)
- **Canada:** Estimated at \$144 million in 2014, rising to \$380 million by 2018, to \$1.3 billion in the next 10 years
- **Europe:** Vast unmet demand. Small quantities usually imported from Holland's only national medical-grade cannabis (MGC) program supplier - Bedrocan.

U.S. Marijuana Sales Estimates

US\$B



Country	Market Size
U.S.	\$6.4B
Canada	\$0.18B
Europe	\$7.53B
Australia (Est.)	\$0.150B

1. Medical cannabis is a rapidly growing market. MMJ Business Daily. 2013.

2. The Surprising Value of Legal Marijuana. The Motley Fool. 2014. <http://www.fool.com/investing/general/2014/10/11/the-surprising-value-of-legal-marijuana.aspx>

Room to Grow

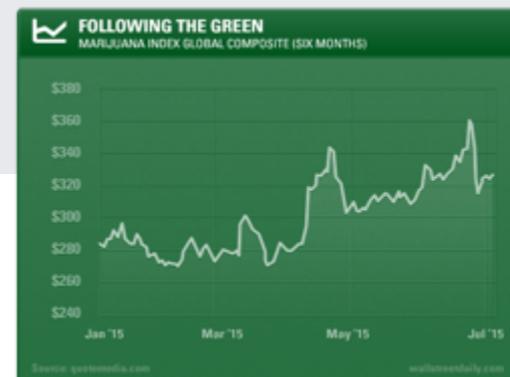
Companies operating in the medical cannabis industry have seen significant growth

- Bloomberg Intelligence¹ has identified **55 public companies** whose business is based largely or completely on legal marijuana
- Top performers are providing a **stock return of >1000%**
- The 55 companies have a combined **market capitalisation of US\$3 billion**

There is space in this global market for new entrants



- Viridian Cannabis Index Gained 38.4% in 2014²
- Cannabis index outperformed all other indices in 2013, 2014 and Q1'2015³
- Three sectors continue to out-perform⁴
 - Cultivation and Retail
 - Infused Products
 - Biotech



1. For These 55 Marijuana Companies, Every Day is 4/20. 2015. <http://www.bloomberg.com/graphics/2015-weed-index/>
 2. Cannabis Stocks: 2014 Review and 2015 Outlook. <http://www.investorideas.com/Marijuana-Stocks/info/Viridian-Cannabis-Industry-Report-2014.pdf>
 3. REPORT: The State of the Cannabis Market Today. Nov 25, 2015. <http://www.slideshare.net/TomSmith40/report-the-state-of-the-cannabis-market-today>
 4. The 8 Hottest Publicly Traded Marijuana Companies. Forbes. July 15, 2015. <http://www.the420.co/the-8-hottest-publicly-traded-marijuana-companies/>

Filling an Unmet Need in the Market

The market for nutraceutical cannabinoids is still untapped

1

Generally, no GMP-certified production to produce standardized high-grade plant extracts

2

Lack of efficacious delivery systems to ensure sufficiently high bioavailability

3

Lack of seasoned and experienced pharmaceutical executives

Growth in Human Health Markets



Nutraceuticals are a multi-billion dollar industry

- Total global nutraceuticals market reached **\$142.1 billion** in 2011
- Expected to reach **\$204.8 billion** by 2017
- The nutraceutical ingredient market is forecast to reach \$33.6 billion by 2018
- The overall US nutrition market was estimated at **\$137.4 billion** in 2012, with supplements accounting for **\$32.4 billion**



Multiple drivers for continued growth

- Rising health concerns, the growth of key demographics and growing consumer desire to lead a healthy life and avoid dependence on synthetic drugs are identified trends that show no sign of slowing down

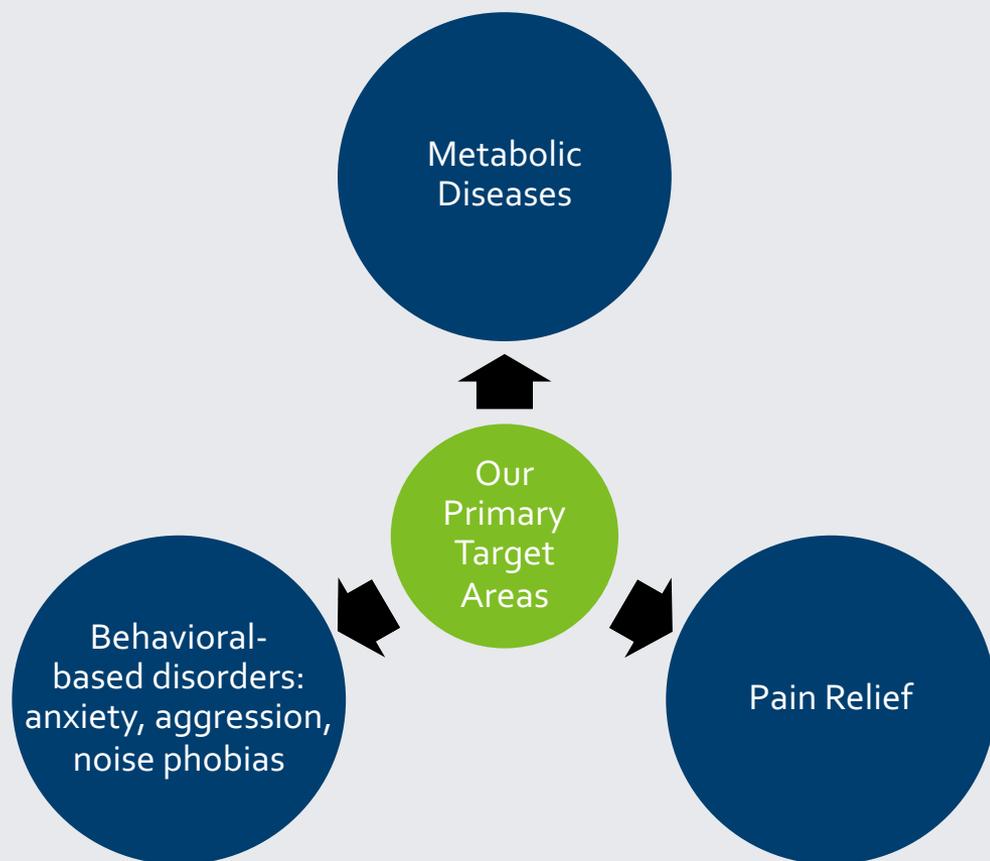


Extremely lucrative for food and beverage companies

- Comparatively high margins
- Minimal regulatory requirements
- Germany, Switzerland, Netherlands, and Sweden have emerged as the key nutraceutical innovation hubs in Europe

Growth in Animal Health Markets

The Veterinary Nutraceutical Segment is very promising



- The recession-resistant animal health products industry is projected to continue showing rapid growth
- One of the biggest challenges of pet ownership is maintaining pets health
- 41% of pet owners have considered or tried various alternative therapies including:
 - nutritional supplements (29%)
 - herbal remedies (7%)
 - homeopathy (4%)





The Creso Advantage

Commercially Ready

Near-term revenue with sales commencing in Slovakia and The Czech Republic



Creso's recently acquired Hemp-Industries has signed a distribution agreement for its CBDium (cannabis oil) product



Initial order for 10,000 bottles worth €195,000 with more orders expected to maintain constant supply



CBDium will be supplied to hospitals and pharmacies



Hemp-Industries owns hemp growing operations and has been running for three years

Entourage Effect

- Creso only uses full plant extracts as opposed to synthetic or single molecule CBD rival products
- Cannabis is a poly molecule plant
- Full plant extracts contain other natural compounds in addition to CBD
- Research by Israeli scientists Shimon Ben-Shabat and Raphael Mechoulam show that cannabinoids and other compounds have a greater effect when taken together than when separated into individual compounds¹
- Many of these compounds interact synergistically to create the “Entourage Effect”



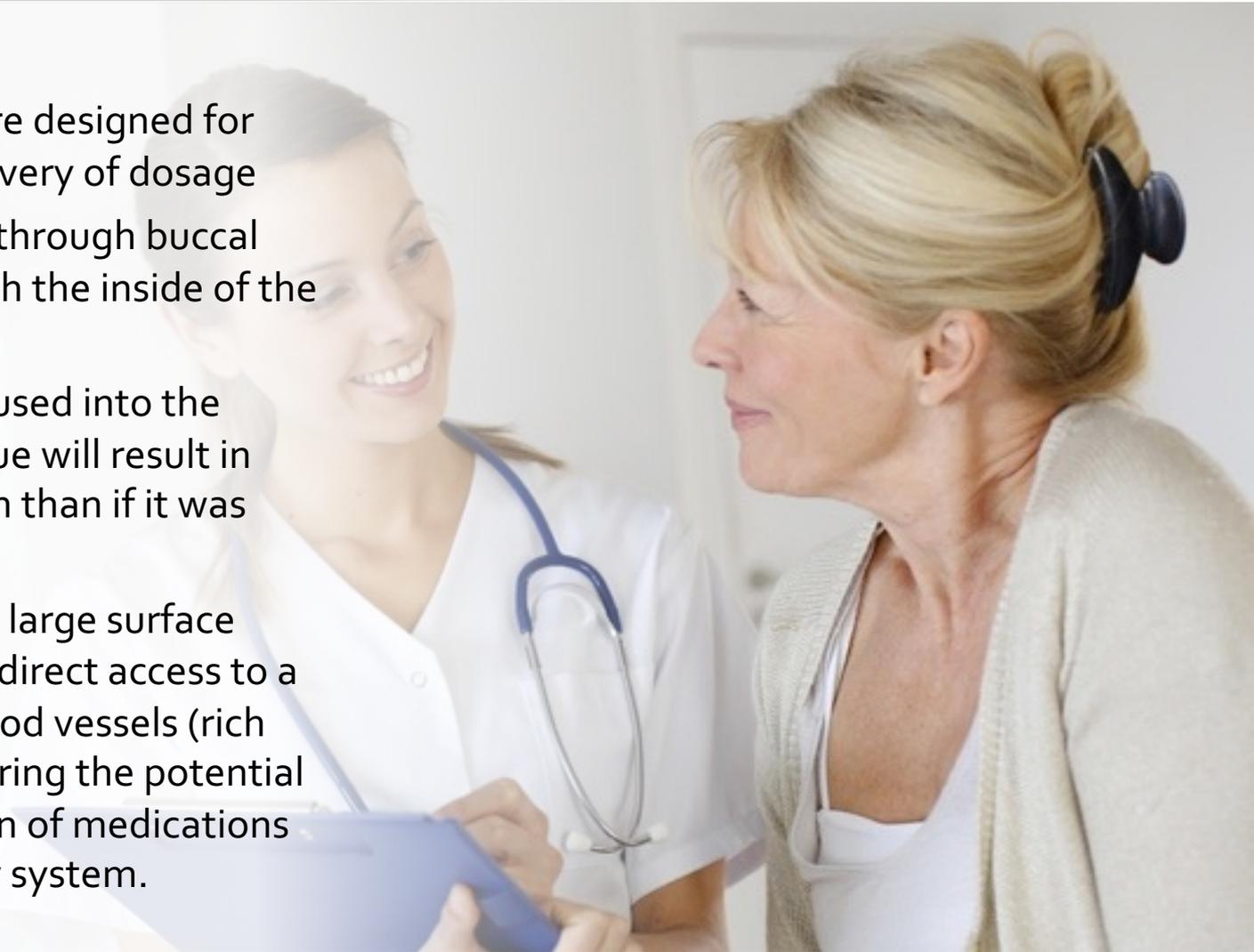
1. http://www.academia.edu/4810567/An_entourage_effect_inactive_endogenous_fatty_acid_glycerol_esters_enhance_2-arachidonoyl-glycerol_cannabinoid_activity

Benefits of Full Plant Extracts

- Ability to affect multiple targets within the body
- Ability to improve the absorption of active ingredients
 - Cannabinoids are chemically polar compounds, which makes them more difficult to absorb in isolation
 - With the assistance of terpenoids like caryophyllene, absorption of cannabinoids is greatly increased
- Ability to overcome bacterial defense mechanisms
 - The full plant extracts also contains non-cannabinoid molecules with anti bacterian properties
 - These molecules attack bacteria through pathways which differ from cannabinoid pathways
 - Given the attack on multiple fronts, it is therefore possible to limit the development of bacterial resistance
- Ability to minimize adverse side effects
 - Certain cannabinoids modulate the negative side effects of others: for example CBD is able to modulate the psychoactive effects of THC

Improved Drug Absorption

- Creso's products are designed for more effective delivery of dosage
- Delivery system is through buccal absorption (through the inside of the cheek)
- Drugs that are diffused into the blood through tissue will result in superior absorption than if it was swallowed
- Buccal mucosa has large surface area that provides direct access to a rich network of blood vessels (rich blood supply), offering the potential for rapid absorption of medications into the circulatory system.



Unique Delivery Technologies

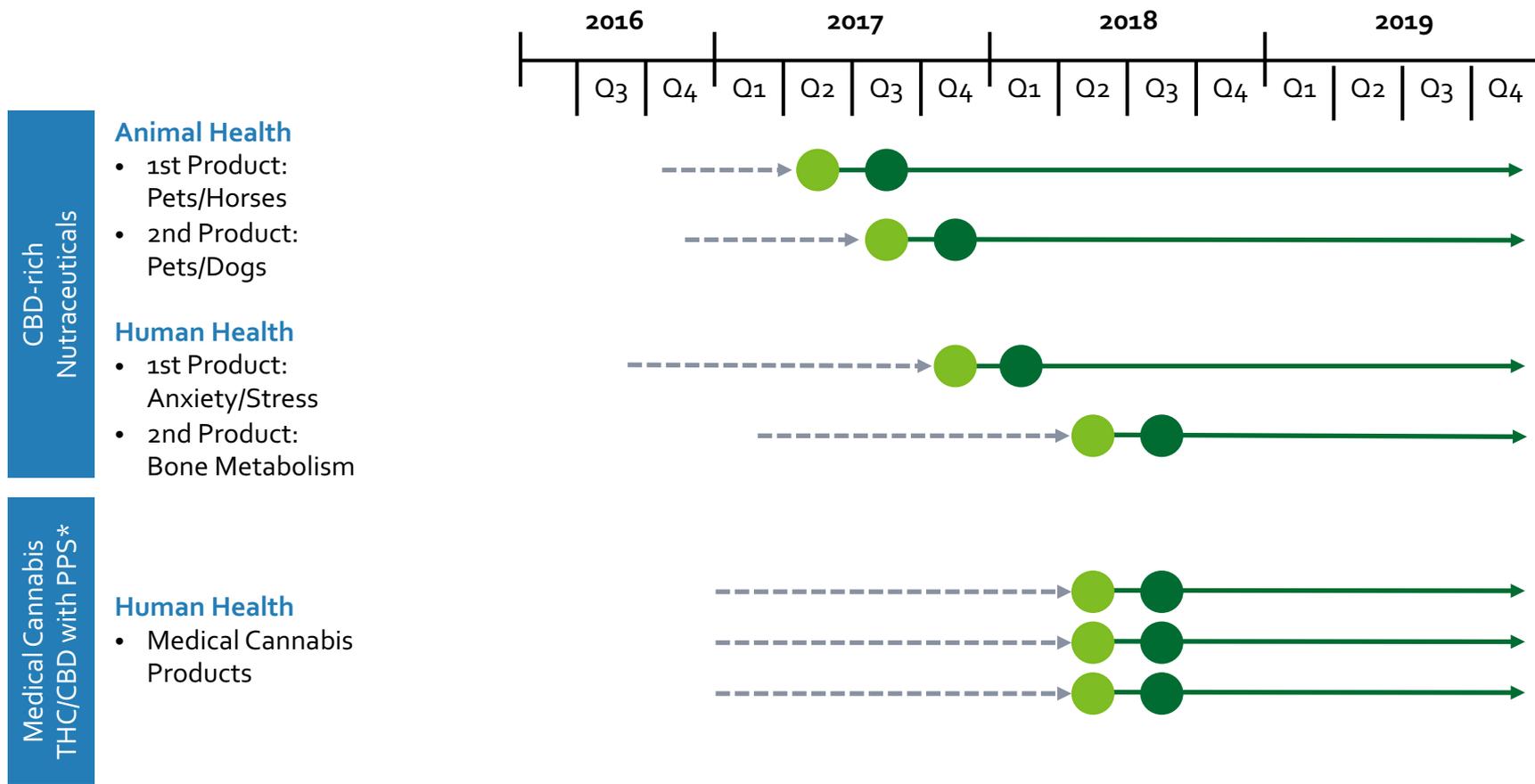
Creso has exclusive world-wide use of two delivery technologies for cannabis treatments through licensing deals with pharma

INNutri Soft Gums™	BioLingus™ (Sublingual Tablets)
<p>Innovative soft chewable gums with a fillable center made of starch (not from animal material such as gelatin like other gums).</p>	<p>Novel proprietary platform for sublingual delivery of bio-active molecules for chronic diseases and immune-therapies.</p>
<ul style="list-style-type: none"> ✓ Easy to ingest ✓ 60% cheaper than the gelatin capsules ✓ Choice of flavours ✓ Have non-sticky texture compared to other vegetarian products (starch, pectin) ✓ Vegan, Halal and Kosher ✓ Suited for geriatric and pediatric use ✓ Heat resistant technology ✓ Gluten and Lactose free 	<ul style="list-style-type: none"> ✓ Optimised and stable pill ✓ Robust manufacturing process ✓ Similar efficiency to subcutaneous injection in mice ✓ Highly scalable production process ✓ Relatively low cost ✓ Long shelf life
	

Product Pipeline Opens More Opportunities

- *Turbo development*
- *Maiden profit expected in 2019*

- Ready for launch
- Launch



* PPS = Prairie Plant Systems Canada

Peer Comparison

Creso is attractively priced relative to its peer group.

	Creso	GW Pharmaceuticals	Zynerba Pharmaceuticals	MGC Pharmaceuticals	MMJ Phytotech Ltd
GMP standard	✓	✓	✓	✗	✗
Natural botanical extracts / non synthetics	✓	✓	✗	✓	✓
Delivery technologies for better absorption	✓	✓	✓	✗	✓
Standardised dose & formulation	✓	✓	✓	✗	✓
Human & animal health products	✓	✗	✗	✗	✗
Team with strong pharma & cannabis record with 20 plus years in big Pharma	✓	✓	✓		
Broad reach through nutraceutical market	✓	✗	✗		✗
Market Cap	A\$11.5m	A\$4.4bn	A\$166m	A\$45m	\$A46.8m

Growing Investor Interest

Investment has seen massive growth in 2015¹, this trend is expected to continue^{2,3,4}

	2014	Q1 2015	Q2 2015	Q3 2015
Companies	31	24	21	14
Capital Raises	47	42	41	21
Total Funds	\$80.4M	\$43.2M	\$230.2M	\$70.5M
Top Three Sectors	Consulting Services \$20.1M	AgTech \$15.9M	BioTech \$208.4M	Consumption Devices \$42.0M
	Cultivation and Retail \$18.9M	Cultivation and Retail \$11.0M	Software \$6.6M	AgTech \$12.9M
	Biotech \$12.3M	Biotech \$7.1M	Consulting Services \$4.7M	Biotech \$5.5M

1. The Future of Cannabis Market Report. Week One: Macro Perspective on the Industry. Broker Dealer Services Provided Through Pickwick Capital Partners, LLC A Member of FINRA and SIPC
2. What is The Future of Cannabis? Joel Anderson | Tuesday, 24 November <https://www.equities.com/news/what-is-the-future-of-cannabis>
3. Tech venture capitalists finally give pot industry a serious look. Joe Garofoli | on May 15, 2015. <http://www.sfgate.com/business/article/Tech-venture-capitalists-finally-give-pot-6267133.php>
4. Merrill Lynch sees Potential in the Cannabis Industry. December 16, 2015. <https://technical420.com/cannabis-article/merrill-lynch-sees-potential-cannabis-industry#>



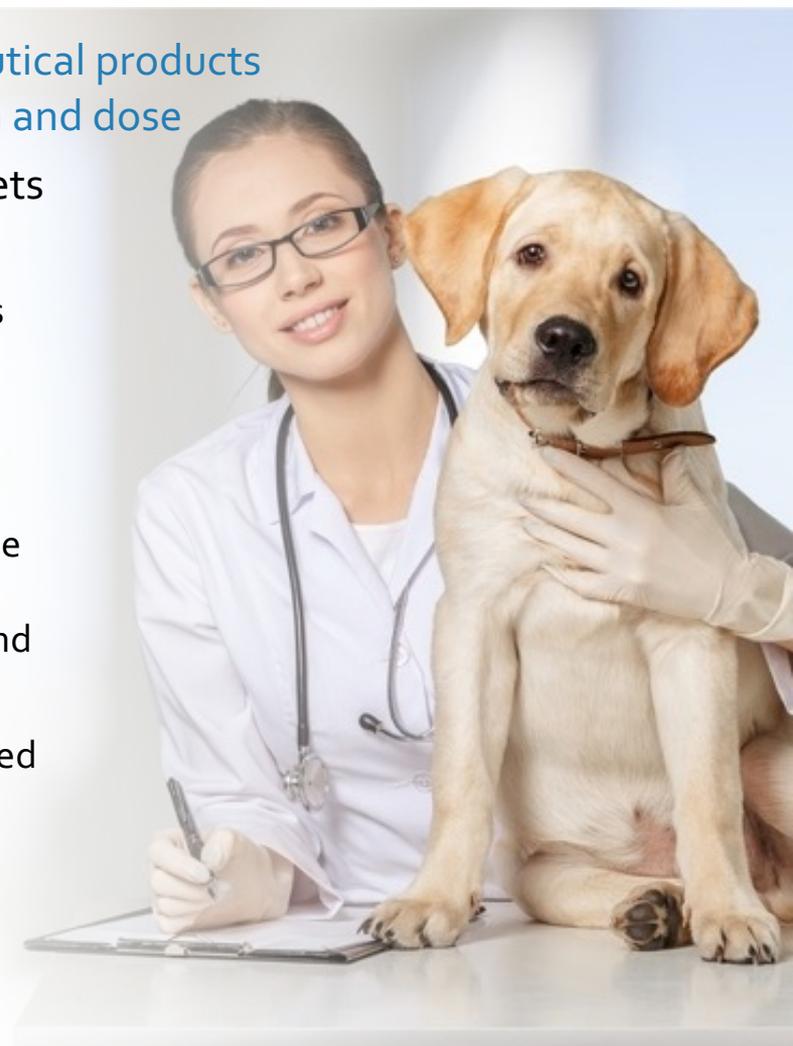
The Strategy

Nutraceutical Strategy

Hemp based full-plant medical grade CBD-rich nutraceutical products which are efficacious, safe, standardised in composition and dose

A nutraceutical approach for both human and vet markets

- 1 **GMP sourcing only:** nutraceutical products from GMP-certified plants located in Europe, syndicated to our needs
- 2 **Standardized extraction:** GMP- and/or ISO-compliant extraction processes, to supply products of excellent quality, purity, and safety
- 3 **Owning and developing unique delivery methods:** source and license innovative and proven delivery platforms including tablets and sublinguals to increase absorption and bioavailability
- 4 **Sales channels:** Will not be sold online but will be registered with health authorities with full registration files
- 5 **Clinical trials:** perform small-scale clinical trials to gain scientific data
- 6 **IP:** Secure IP across the value chain



Hemp-Industries

Hemp-Industries is the existing revenue generating division of Creso Pharma Limited

- Hemp-Industries has been in **operation and generating revenue for more than three years** and operates an existing hemp growing operation in Slovakia as well as outsourced CBD extraction and CBD product sales activities
- Hemp-Industries **revenues and cash-flow from the sale of its CBDium products will support the business creation** and funding of Creso's therapeutic products business unit
- Hemp-Industries grow operations will also act as a **key source of ingredients** for Creso's therapeutic products



Hemp-Industries Operations Overview

Hemp-Industries currently sells its CBDium products to the European market. Creso Pharma will seek to expand into other markets where CBD products have been legalised

Grow operations

- Hemp-Industries grows industrial hemp in Slovakia
- Hemp is grown in certified organic fields
- Once grown, the hemp flowers are harvested and dried using specialised machinery
- Dried hemp is vacuum packaged in smaller bags for transport

Extraction

- Harvested and dried flowers are transferred to Hemp M&S OG (which is a separate company due to Slovak legislation)
- Flowers are separated from then remaining seeds and extracted with the use of CO₂ fluid extraction
- Extract in its most natural form is then mixed with organic quality food oil to make it more pleasant in taste

Final products

- The final product is then tested for potency and food quality
- Products are then bottled, labelled and ready for sale in a direct marketing form or through distributors
- Two products currently available they are;
 - CBDium drops – 5% CBD >0.19%THC
 - CBDium drops – 3.1% and 1.9%CBDA 0.19%THC

Hemp-Industries Products in Pipeline

Hemp-Industries has over a dozen products in the pipeline

- Hemp-Industries intends to manufacture over a dozen different products for sale complimenting their existing revenue generating products below
- Current products include:
 - Hemp Seed Oil; and
 - CBDium drops

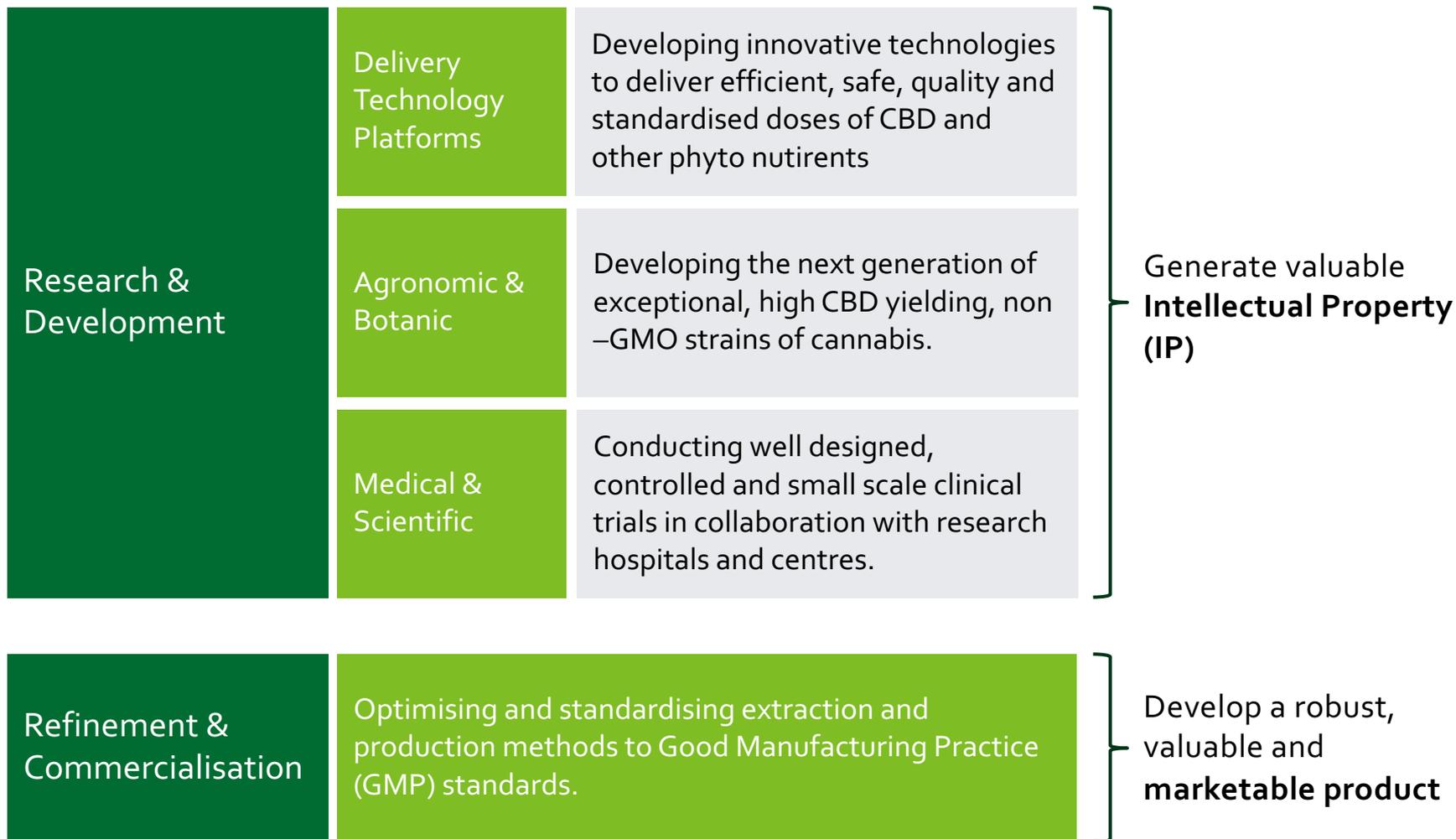


Hemp-Industries Product



Food Bar Prototype

Business Model



Intellectual Property (IP)

IP is the key to maximising value creation for any bio-pharmaceutical company. Creso's work will conform with the expectations of the regulators and the bio-pharmaceutical sector

Creso's IP Strategy

A long term strategy incorporating global industry-wide reviews helping to identify areas of interest and opportunities - e.g., licensing agreements and royalty arrangements.

The IP portfolio will be related to Creso's line of activity:

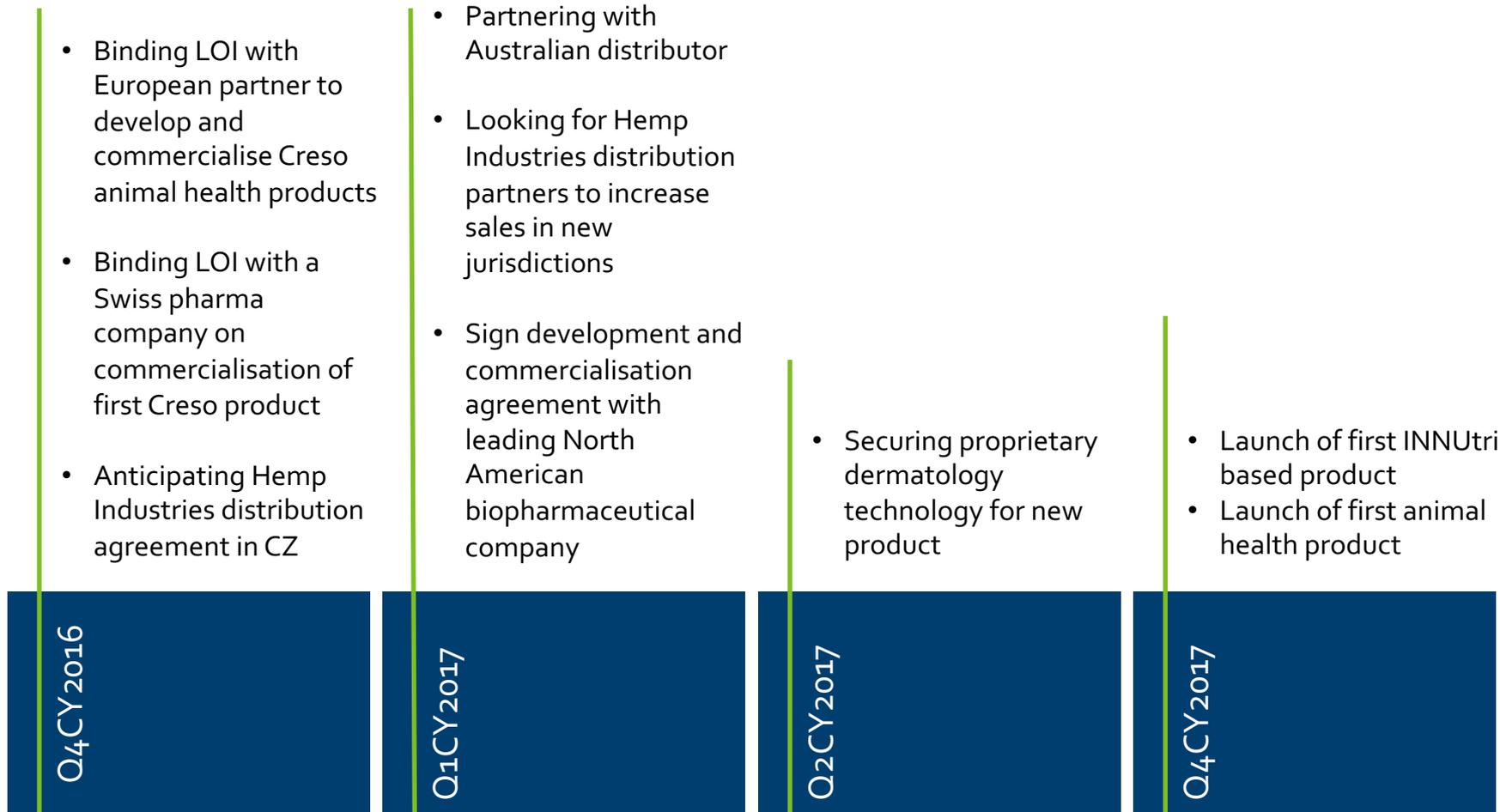
- Creso's formulations
- Creso's delivery platforms
- Therapeutic uses of cannabis/hemp derived compounds
- Know-how and trade secrets

IP Strategy Success

Creso's success will depend on the ability to:

- Protect the proprietary rights of Creso's prospect products, technology and know-how from others
- Operate without infringing on proprietary rights of others

Next 12-Months



Investment Summary



Rapidly Growing Markets

- Increasing scientific evidence on efficacy of cannabis-based treatments
- Existing markets are expanding and new markets opening
- More countries are liberalising medicinal cannabis

Increased Consumer Demand



Strongly Performing Sector

- Investor interest in sector is strong
- 50+ companies with business based largely on legal marijuana
- Industry in infancy with plenty of room to grow

Strong Sales Revenue



"Gold Standard"

- Creso brings pharmaceutical industry vigour and professionalism to medicinal cannabis market
- Well placed to be the "Gold Standard" of the medicinal cannabis world

Industry Leadership



Sound Business Model

- Already revenue generating
- Diversified revenue streams from human and pet health markets
- Best practice for CBD extraction and drug delivery
- Resources in place for global sales

Strong Company Returns

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